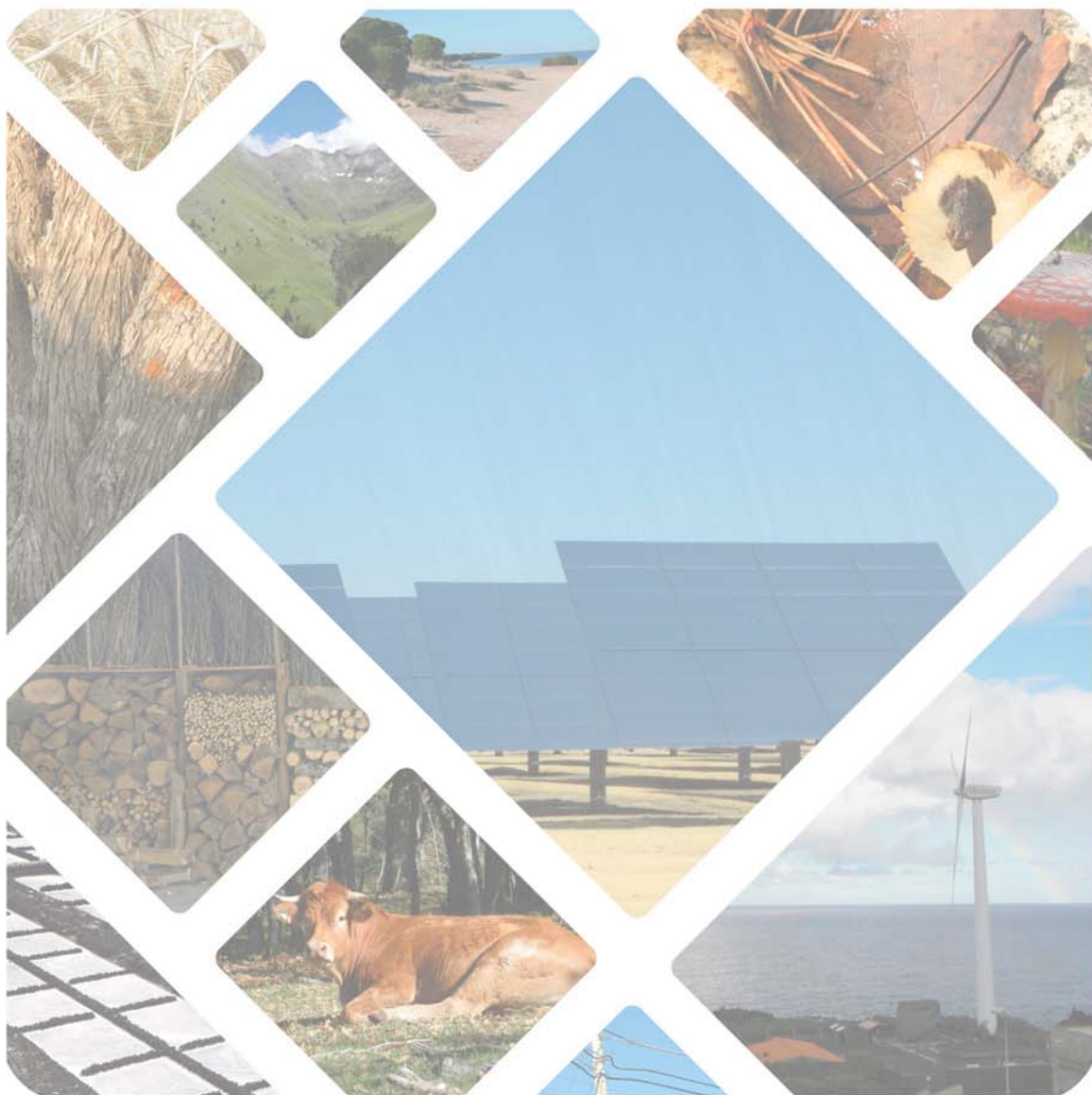


Convención Marco de Naciones Unidas sobre el Cambio Climático

Diciembre 2017



GOBIERNO
DE ESPAÑA

MINISTERIO
DE AGRICULTURA Y PESCA,
ALIMENTACIÓN Y MEDIO AMBIENTE

TERCER INFORME BIENAL DE ESPAÑA
CONVENCIÓN MARCO DE NACIONES UNIDAS SOBRE EL
CAMBIO CLIMÁTICO

DICIEMBRE 2017

Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente

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1. PRESENTACIÓN

El Tercer Informe Bienal a la Convención Marco de Naciones Unidas sobre el Cambio Climático (CMNUCC), muestra las circunstancias y los avances en las líneas de actuación y los trabajos desarrollados por España desde el anterior informe. Al presentarse este Tercer Informe Bienal a la vez que la Séptima Comunicación Nacional de España a la CMNUCC, se presenta la información de forma resumida, remitiendo a los correspondientes capítulos de la comunicación Nacional para ampliar información sobre los diferentes temas.

Este documento recoge el Tercer Informe Bienal de España a la CMNUCC en virtud de las Decisiones 2/CP.17, 19/CP.18 y 9/CP.21. Tal como se define en las directrices de presentación de informes bienales de la Convención Marco de las Partes que son países desarrollados, la información se estructura en los siguientes apartados:

- Información sobre los gases de efecto invernadero (GEI), las tendencias y el sistema nacional del Inventario.
- Cuantificación de los objetivos de limitación y reducción de emisiones que cubran todos los sectores de la economía.
- Progreso en el logro de las metas de reducción de emisiones.
- Proyección de las emisiones de GEI.
- Prestación de apoyo financiero, tecnológico y fomento de capacidades para los países en desarrollo.

La información tabular como se define en el formato de tabla común (CTF) de las directrices de la Convención (decisión 19/CP.18 de la CMNUCC) se adjuntan en el [Anexo I](#). Toda la información tabular ha sido proporcionada a través del portal de notificación electrónica establecido por el Secretariado de la CMNUCC.

2. INFORMACIÓN DE EMISIONES Y TENDENCIAS DE GEI

Las emisiones brutas de gases de efecto invernadero (GEI) estimadas para el año 2015 del total del Inventario se sitúan en 335.661 kilotoneladas de CO₂-eq, lo que supone un incremento en relación al año 1990 del 17%.

En 2015, las tres cuartas partes de las emisiones globales (76%) se originaron en los procesos de procesado de energía. Dentro de este grupo, la generación de electricidad supuso un 26% del total de las emisiones nacionales, mientras que el transporte generó un 25% del total de las emisiones.

Las emisiones derivadas de las actividades agrícolas supusieron un 11% en 2015, mientras que los procesos industriales generaron un 9% de las emisiones globales. Las emisiones procedentes de las actividades de gestión de residuos se situaron en cuarto lugar con un 4% del total de las emisiones.

En 2015 las absorciones netas ligadas al sector del uso de la tierra, los cambios en el uso de la tierra, y la silvicultura (LULUCF, por sus siglas en inglés) se estimaron en 38.772 kilotoneladas de CO₂-eq. En global, las emisiones totales netas han experimentado un crecimiento sostenido en el periodo 1990-2007, continuado con descensos importantes en los años 2008 y 2009, una caída de menor nivel entre 2010 y 2013, una estabilización en 2014 y un muy ligero repunte en 2015.

El CO₂ es el gas predominante, seguido del metano y del óxido nitroso.

[Para más información ver Capítulo 3 de la Séptima Comunicación Nacional de España y la Tabla 1 del formato Tabular Común \(CTF\) del Anexo I.](#)

2.1. Sistema Nacional del Inventario

España ha establecido un Sistema Nacional para la estimación, información y archivo de las emisiones de gases de efecto invernadero que cumple con los requisitos establecidos por el Protocolo de Kioto. El Sistema Nacional está sometido a una mejora constante de la información.

El Sistema Español de Inventario de Emisiones de Contaminantes a la Atmósfera realiza anualmente el Inventario Nacional de Gases de Efecto Invernadero, con el fin de evaluar y actualizar las emisiones antropogénicas por fuentes y por absorción de sumideros de los gases de efecto invernadero regulados por el Protocolo de Kioto y por la Convención Marco de Naciones Unidas sobre Cambio Climático.

[Para más información ver Capítulo 3 de la Séptima Comunicación Nacional de España.](#)

3. CUANTIFICACIÓN DE LOS OBJETIVOS DE LIMITACIÓN Y REDUCCIÓN DE EMISIONES QUE CUBRAN TODOS LOS SECTORES DE LA ECONOMÍA

España forma parte del acuerdo de cumplimiento conjunto de reducción de emisiones de la Unión Europea. A continuación se explica el objetivo de reducción de emisiones de la Unión, la participación de España en dicho compromiso, así como el sistema de seguimiento en la Unión Europea.

Información más detallada sobre el objetivo de España se incluye en la Tabla 2 del CTF en el Anexo I.

3.1. Objetivo europeo ante la Convención Marco de Naciones Unidas ante el Cambio Climático

Para el periodo 2013-2020, España, el resto de Estados miembros de la Unión Europea y la propia Unión, han comunicado conjuntamente su **objetivo cuantificado de reducción de emisiones, reducción del 20% en 2020** (ver **Ilustración 1**) en comparación con los niveles de 1990¹. La Unión Europea también se comprometió a elevar este objetivo al 30 % para 2020 en comparación con los niveles de 1990, siempre que otros países desarrollados también comprometieran a lograr reducciones comparables de las emisiones, y que los países en desarrollo contribuyeran adecuadamente según sus responsabilidades y respectivas capacidades. Esta oferta fue reiterada en el informe enviado a la CMNUCC por la UE, sus 28 Estados Miembros e Islandia el 30 de abril de 2014².

Las reglas de la Unión Europea para contabilizar el objetivo son más ambiciosas que las actuales reglas del Protocolo de Kioto, por ejemplo, incluyen la aviación internacional, añaden un ciclo de cumplimiento anual para las emisiones en virtud de la Decisión de Reparto Esfuerzos (ESD, por sus siglas en inglés; véase apartado 3.1.1), e imponen restricciones cualitativas adicionales al uso de unidades del Mecanismo de Desarrollo Limpio (MDL) en el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS). Por tanto, al objetivo del 20 % fijado por la UE en el marco de la CMNUCC, aplican las siguientes hipótesis y condiciones:

- El objetivo europeo ante la Convención no incluye las emisiones/absorciones de LULUCF; sin embargo, se estima que son un sumidero neto durante el período considerado. Los inventarios de la UE también incluyen información sobre emisiones y absorciones de LULUCF de conformidad con los compromisos de notificación pertinentes en el marco de la CMNUCC. La contabilización de las actividades LULUCF solo se lleva a cabo en el marco del Protocolo de Kioto. En el caso de que el sector LULUCF resultase en emisiones netas, éstas serían contabilizadas por la UE o sus Estados Miembros en el marco del Protocolo de Kioto, y tendrían que ser compensadas.
- El objetivo incluye los siguientes gases: CO₂, CH₄, N₂O, HFCs, PFCs y SF₆.
- El objetivo considera 1990 como año base común para todos los gases incluidos y todos los Estados miembros. Las emisiones de la aviación internacional incluidas en el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS) se incluyen en el objetivo³.

¹ FCCC/SB/2011/INF.1/Rev.1 of 7 June 2011: Compilation of economy-wide emission reduction targets to be implemented by Parties included in Annex I to the Convention and FCCC/AWGLCA/2012/MISC.1: additional information relating to its quantified economy wide emission reduction target

² European Union, its Member States and Iceland submission pursuant to paragraph 9 of decision 1/CMP.8 http://ec.europa.eu/clima/policies/international/negotiations/docs/eu_submission_20140430_en.pdf

³ En la UE, la suma de las emisiones consideradas en las categorías 1.A.3.a “aviación doméstica” y en el “memo item” “bunkers internacionales – aviación” van más allá del ámbito del objetivo de la UE, ya que las emisiones de la aviación internacional están incluidas

- Se permite, para el cumplimiento de los objetivos, utilizar Reducciones Certificadas de Emisiones (RCE) y Unidades de Reducción de Emisiones (URE), con una serie de restricciones. Además, la legislación prevé la posibilidad de reconocer las unidades procedentes de los nuevos mecanismos de mercado, siempre que se cumplan las disposiciones jurídicas necesarias para crear este tipo de unidades. En el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS), el límite de utilización de estos créditos es de hasta el 50% de la reducción requerida respecto a los niveles de 2005. Además se incluyen criterios cualitativos adicionales para la utilización de RCE, como son la exclusión de proyectos forestales y determinados tipos de proyectos de gases industriales. En lo que respecta a la cuota de los sectores no cubiertos por ETS (sectores difusos), todos los Estados Miembros pueden utilizar créditos de mecanismos hasta alcanzar la cantidad correspondiente al 3% de sus emisiones en el año 2005. Un número limitado de Estados Miembros, entre ellos España, puede usar un 1% adicional, a partir de proyectos en países menos adelantados o pequeños estados insulares, sujeto a una serie de condiciones adicionales.
- Los potenciales de calentamiento global (PCG) para el cálculo de las emisiones de GEI en el momento de presentación del objetivo, eran aquellos basados en el segundo informe de evaluación del IPCC. De conformidad con la Decisión de la Conferencia de las Partes en calidad de Reunión de las Partes del Protocolo de Kioto (COP-MOP) de cambiar los PCG por los considerados en el Cuarto Informe de Evaluación (AR4) del IPCC, se adoptaron dichos PCG revisados del AR4 para el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS). Los PCGs revisados se tuvieron en cuenta en la revisión del objetivo de los sectores no incluidos en el EU-ETS (sectores ESD). Para la implementación hasta 2020, los PCG del AR4 se utilizarán de manera coherente con las directrices de la CMNUCC para la presentación de informes sobre los inventarios de GEI.

Tabla 1 Supuestos y condiciones que aplican al objetivo europeo

Parámetros	Objetivo
Año Base	1990
Año Objetivo	2020
Objetivo de reducción de emisiones	-20% en 2020 respecto a 1990
Gases	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆
Potenciales de Calentamiento Global	AR4 (Cuarto Informe de Evaluación del IPCC)
Sectores	Todos los sectores y fuentes del IPCC, excluido LULUCF. La aviación internacional está incluida en la medida en que está incluida en el sistema europeo de comercio de emisiones.
LULUCF	Sector contabilizado en el ámbito del Protocolo de Kioto, e incluido en la información en el inventario de la Convención. Se asume que produce absorciones netas.
Uso de créditos internacionales (MDL y AC)	Posible uso con límites cuantitativos y cualitativos.
Otros	Oferta condicional de aumentar el objetivo de reducción del 30 % en 2020 con respecto a los niveles de 1990, como parte de un acuerdo global y completo para el periodo posterior a 2012, siempre que otros países desarrollados se comprometiesen a reducciones de emisiones comparables y que los países en desarrollo contribuyeran adecuadamente en función de sus responsabilidades y sus respectivas capacidades.

en el Paquete Europeo de Energía y Clima y en el objetivo de la UE en el marco de la CMNUCC en la medida en que el sector de la aviación es parte del EU ETS.

3.1.1. Arquitectura del cumplimiento del objetivo de la UE: el Paquete de Energía y Clima 2020

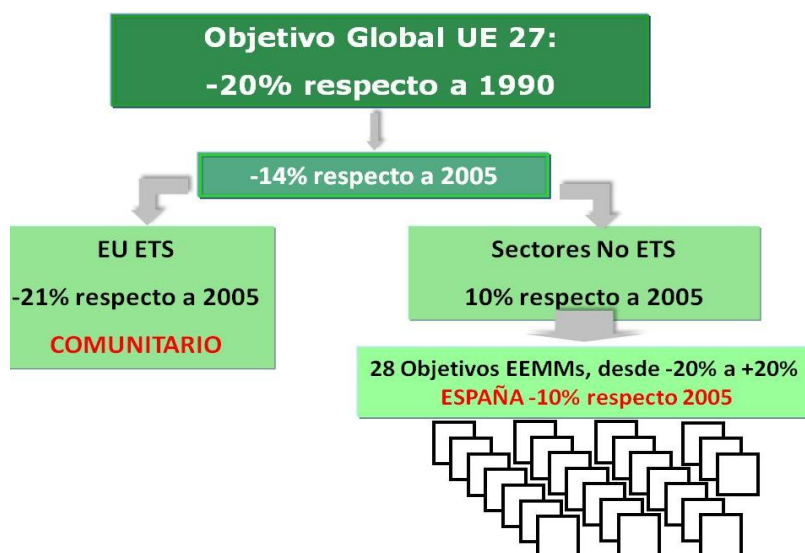
La política europea de cambio climático se enmarca en el Paquete de Energía y Clima 2020, donde se han establecido normas internas que sustentan el objetivo presentado en la Convención Marco de Naciones Unidas sobre el Cambio Climático.

La reducción del 20% de las emisiones totales de GEI respecto de los niveles de 1990 equivale a una reducción del 14% en comparación con los niveles de 2005. Este objetivo de reducción del 14% se divide en dos sub-objetivos:

- Reducción del 21%, en comparación con los niveles de 2005, para las emisiones incluidas en los sectores cubiertos por el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS) (incluyendo aviación doméstica e internacional);
- Reducción del 10 %, en comparación con los niveles de 2005, para los sectores no incluidos en el EU ETS, compartido entre los 28 Estados miembros a través de objetivos individuales nacionales.

Se muestra en la siguiente Ilustración un esquema sobre la distribución del objetivo total de la UE entre los sectores ETS y no ETS.

Ilustración 1.-Objetivo de la Unión Europea de reducción del 20% en 2020



Con arreglo a la revisión de la Directiva sobre el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS) (Directiva 2009/29/CE), se ha establecido un único límite máximo para el ETS en la UE y en otros tres países no comunitarios participantes en este sistema (Noruega, Islandia y Liechtenstein), sin establecer límites individuales por país. Los derechos de emisión asignados en el ETS en el periodo 2013 a 2020 se reducirán un 1,74 % cada año, tomando como punto de partida la media de los derechos de emisión expedidos por los Estados Miembros para el segundo período de comercio de emisiones europeo (2008-2012).

[Para más información sobre los cambios recientes relacionados con el EU ETS, véase el capítulo 4.4 de la 7CN.](#)

La gran mayoría de las emisiones dentro de la UE que quedan fuera del ámbito de aplicación del ETS, se abordan en la Decisión de Reparto de Esfuerzos (ESD, por sus siglas en inglés) (Decisión 406/2009/CE). La ESD abarca las emisiones de todas las fuentes fuera del ETS de la UE, excepto las emisiones de la aviación nacional e internacional (que fueron incluidas en el ETS de la UE desde el 1 de enero de 2012), las emisiones marítimas internacionales y las emisiones y absorciones derivadas

del uso del suelo, el cambio de uso del suelo y la silvicultura (LULUCF). Por lo tanto, incluye una amplia gama de emisores a pequeña escala en un extenso abanico de sectores: transporte (automóviles, camiones), edificios (en particular, calefacción), servicios, pequeñas instalaciones industriales, emisiones fugitivas del sector energético, emisiones de gases fluorados procedentes de aparatos electrodomésticos y otras fuentes, agricultura y residuos. Estas fuentes representaron el 55% de las emisiones totales de GEI en la UE en 2013⁴, y el 58% de las emisiones totales de España en el año 2015.

Mientras que el objetivo del ETS debe ser alcanzado por la UE en su conjunto, el objetivo de los sectores no incluidos en el ETS se ha dividido en objetivos nacionales que cada Estado Miembro debe alcanzar individualmente. En virtud de la Decisión de Reparto de Esfuerzos, se fijan objetivos nacionales de emisión a 2020, expresados como cambios porcentuales con respecto a los niveles de 2005. Estos cambios se han transferido a objetivos de reducción anuales cuantificados vinculantes para el periodo 2013-2020 (Decisiones 2013/162/UE y 2013/634/UE de la Comisión), denominados Asignaciones Anuales de Emisiones (AEA). En el conjunto de la UE, los objetivos nacionales para 2020 en los sectores no ETS oscilan entre el -20 % y el +20 %, con respecto a los niveles de 2005.

Los objetivos se han fijado sobre la base del Producto Interior Bruto per cápita de los Estados Miembros. Por otro lado, la ESD establece una serie de mecanismos destinados a flexibilizar las opciones de cumplimiento teniendo en consideración los diferentes niveles de desarrollo en la UE-28. Entre estos mecanismos se encuentran: transferencias de AEAs entre distintos años del periodo en un Estado Miembro, transferencias de AEAs entre Estados Miembros y utilización de créditos internacionales -créditos procedentes de la Aplicación Conjunta (AC) y del Mecanismo de Desarrollo Limpio (MDL)-. Los Estados Miembros que superen su cuota anual, después de tener en cuenta las disposiciones de flexibilidad y el uso de los créditos de AC y MDL, se enfrentarán, entre otras cosas, a una penalización: una deducción en su asignación de emisiones del año siguiente (el exceso de emisiones multiplicado por 1,08).

Para más información sobre los objetivos de reducción de los sectores difusos en la UE, véase el capítulo 4.4 de la 7CN, sección 4.4.1.2.

3.2. Contribución de España al objetivo de la Unión

Como se ha explicado en el apartado anterior, cada Estado miembro se ha comprometido a cumplir con un objetivo de reducción de emisiones no ETS. En el caso de España el objetivo consiste en alcanzar en 2020 una reducción del 10% respecto a los niveles de 2005. La senda anual de cumplimiento de España es la siguiente:

Tabla 2 Asignaciones anuales de emisiones para España (2013 -2020)

	2013	2014	2015	2016	2017	2018	2019	2020
AEAs (ktCO2)	227.564	225.648	223.733	221.817	219.902	217.986	216.071	214.155

3.3. El mecanismo de seguimiento

El proceso de seguimiento de las emisiones de GEI se ha armonizado para todos los Estados Miembros, mediante el Reglamento de Mecanismo de Seguimiento⁵. Asimismo, para el

⁴ European Commission. Commission Staff Working Document - Accompanying the document: Report from the Commission to the European Parliament and the Council on evaluating the implementation of Decision No. 406/2009/EC pursuant to its Article 14. (SWD(2016) 251 final). 2016. <https://ec.europa.eu/transparency/regdoc/rep/10102/2016/EN/10102-2016-251-EN-F1-1-ANNEX-1.PDF>

⁵ Regulation (EU) No 525/2013 of the European Parliament and of the Council of 21 May 2013 on a mechanism for monitoring and reporting greenhouse gas emissions and for reporting other information at national and Union level relevant to climate change and repealing Decision No 280/2004/EC.

funcionamiento eficaz del ETS de la UE, es esencial que tanto el seguimiento como la notificación de las emisiones de GEI se lleven a cabo de manera sólida, transparente, coherente y precisa, para lo cual se implementa un procedimiento anual de seguimiento, notificación y verificación (MRV) a nivel de instalación. Los operadores de instalaciones y aeronaves tienen que supervisar, notificar y verificar sus emisiones anuales de conformidad con dos Reglamentos de la UE, el Reglamento de seguimiento y notificación de emisiones (MRR, *Monitoring and Reporting Regulation*) y el Reglamento de acreditación y verificación (AVR, *Accreditation and Verification Regulation*)⁶.

El seguimiento, la notificación y la verificación de los objetivos de los sectores no cubiertos por ETS se lleva a cabo principalmente mediante la presentación de los inventarios nacionales de GEI por parte de los Estados Miembros. El capítulo III del Reglamento de aplicación de la Comisión (UE No 749/2014) establece criterios estrictos para la revisión anual, a nivel de la UE, de los inventarios nacionales de GEI de los Estados Miembros. Basándose en esta revisión, la Comisión Europea adopta una decisión de aplicación sobre las emisiones de los sectores no cubiertos por ETS de los Estados Miembros en el año de referencia, lo que podría dar lugar a que los Estados Miembros, entre otras cuestiones, se enfrenten a sanciones como las descritas anteriormente.

3.4. Mecanismos de flexibilidad en el marco del objetivo 2020

En España, como Estado Miembro de la Unión Europea, la política de cambio climático se enmarca en el Paquete Energía y Clima 2020 donde se han establecido normas internas que sustentan el objetivo presentado en la Convención Marco de Naciones Unidas sobre el Cambio Climático.

En este sentido, el uso de unidades procedentes de los mecanismos de flexibilidad es posible tanto en el Sistema Europeo de Comercio de Derechos de Emisión (EU ETS) como en lo que respecta a los sectores no cubiertos por ETS (sectores difusos). El Paquete 2020 de Energía y Cambio Climático permite utilizar para cumplimiento Reducciones Certificadas de Emisiones (RCE) y Unidades de Reducción de Emisiones (URE), sujeto a una serie de restricciones. Además, la legislación prevé la posibilidad de reconocimiento de las unidades procedentes de los nuevos mecanismos de mercado, siempre que se cumplan las disposiciones jurídicas necesarias para crear este tipo de unidades.

En el Sistema Europeo de Comercio de Derechos de Emisión, el límite de utilización de estos créditos es de hasta el 50% de la reducción requerida bajo los niveles de 2005. Así, en el EU ETS, cada entidad regulada tiene un límite de uso de créditos de los mecanismos del Protocolo de Kioto que depende de la tipología de la entidad. De este modo, aplican distintas cuotas según se trate de nuevos entrantes e instalaciones que se incorporaron en 2013 a este régimen, instalaciones que participaban en el EU ETS desde antes de 2013, u operadores aéreos. Actualmente la mayoría de las instalaciones han agotado la cuota disponible hasta 2020, por lo que el uso de estas unidades en los próximos años será reducido, en comparación con años anteriores. Por otro lado, existen restricciones cualitativas, entre las que destaca que las unidades del primer periodo han dejado ya de ser válidas (incluso las arrastradas al periodo siguiente). Finalmente, hay que señalar que desde 2013 la forma en que se materializa el uso de las unidades de los mecanismos del Protocolo de Kioto consiste en su intercambio por derechos de emisión.

En lo que respecta a la cuota de los sectores difusos, todos los Estados Miembros pueden utilizar créditos de mecanismos basados en proyectos hasta alcanzar, en un año dado, la cantidad

⁶ Para una descripción más detallada se puede [consultar el Segundo Informe Bienal de la Unión Europea](#)

Commission Regulation (EU) No 601/2012 of 21 June 2012 on the monitoring and reporting of greenhouse gas emissions pursuant to Directive 2003/87/EC of the European Parliament and of the Council: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32012R0601&from=EN>

Commission Regulation (EU) No 600/2012 of 21 June 2012 on the verification of greenhouse gas emission reports and tonne-kilometre reports and the accreditation of verifiers pursuant to Directive 2003/87/EC of the European Parliament and of the Council: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32012R0600&from=EN>

correspondiente al 3% de sus emisiones en el año 2005. Este límite, para España, ascendería a un total de 7,14 millones de CERs y ERUs. Si estas unidades no se usan en un determinado año, esta cuota puede ser transferida a otros Estados Miembros o arrastrada para uso propio hasta 2020. Un número limitado de Estados Miembros, entre ellos España, puede usar un número de créditos adicional igual al 1% de sus emisiones en el año 2005, procedente de proyectos en países menos adelantados o pequeños estados insulares. Esta cuota adicional supondría 2,38 millones de CERs y ERUs. Esta cuota adicional no puede ser ni arrastrada ni transferida.

En la actualidad España no prevé el uso de los créditos internacionales para el cumplimiento de su objetivo en sectores difusos. Así ha ocurrido respecto a la evaluación del cumplimiento en el primer año del periodo 2013-2020 se llevada a cabo en el año 2016. No obstante, continúa apoyando activamente los mecanismos de mercado como instrumentos valiosos que fomentan el desarrollo de proyectos de tecnologías limpias, al tiempo que apoyan el desarrollo sostenible y bajo en carbono. Desde que se cerró el primer periodo de compromiso del Protocolo de Kioto, el enfoque de España en este ámbito no se basa en la adquisición de créditos para el cumplimiento, sino en la creación de capacidades, la participación en iniciativas que tienen especial valor añadido en cuanto a su contribución al desarrollo y en el ensayo de nuevos instrumentos.

3.5. Otros objetivos comunitarios de reducción

Además del objetivo europeo ante la Convención, la Unión Europea también se comprometió a una reducción cuantificada vinculante de las emisiones para el segundo período de compromiso del Protocolo de Kioto (2013 - 2020). En la tabla 3 se presentan, de forma resumida, todos los objetivos de reducción de GEI pertinentes para la UE y los hechos clave. A la izquierda, la tabla incluye los compromisos internacionales bajo el Protocolo de Kioto y ante la CMNUCC. A la derecha se incluyen los compromisos de la UE en el marco del Paquete de Energía y Cambio Climático.

Tabla 3 Resumen de los objetivos de la Unión Europea

	Compromisos Internacionales			Legislación interna del UE	
	Protocolo de Kioto		CMNUCC	Paquete de Energía y Clima	
	Primer período de compromiso (2008-2012)	Segundo período de compromiso (2013-2020)		EU ETS	ESD
Año o periodo del objetivo	Primer período de compromiso (2008-2012)	Segundo período de compromiso (2013-2020)	2020	2013-2020	2013-2020
Objetivo de reducción de emisiones	-8%	-20%	-20%	-21% en relación a 2005 para las emisiones ETS	Objetivos anuales por Estado Miembro. En 2020 -10% en relación a 2005 para emisiones no ETS
Objetivos adicionales	-	-	Objetivo condicional del -30% si otras Partes asumen compromisos adecuados	Directiva de Energía Renovable: 20% consumo final bruto de energía procedente de fuentes de energía renovable; Directiva de Eficiencia Energética: incremento de la eficiencia de la energía del 20%. Ambos objetivos a 2020.	
Año base	1990 Reglas de flexibilidad del Protocolo de Kioto (Art 3(5)) relativo a gases fluorados y Economías en Transición	1990, pero sujeto a las reglas de flexibilidad. Se pueden utilizar 1995 o 2000 como año de referencia para NF ₃	1990	1990 para el objetivo global de reducción de emisiones; 2005 para energías renovables y objetivo de eficiencia energética; así como objetivos desglosados para las emisiones ETS y no ETS	
LULUCF	Incluidas ARD y otras actividades en caso de ser elegidas	Incluidas ARD y la gestión forestal, otras actividades si son elegidas (nuevas reglas de contabilidad)	Excluido	Excluido	
Aviación	Se incluye la aviación nacional. Se excluye la aviación internacional	Se incluye la aviación nacional. Se excluye la aviación internacional	Se incluye la aviación en el ámbito del EU ETS. En la práctica, se consideran las emisiones de aviación totales	Se incluye la aviación nacional e internacional, de acuerdo con el ámbito de aplicación del EU ETS	Aviación generalmente excluida, parte de la aviación nacional incluida (operadores EU ETS por debajo del umbral de minimis)

	Compromisos Internacionales			Legislación interna del UE	
	Protocolo de Kioto		CMNUCC	Paquete de Energía y Clima	
				EU ETS	ESD
Uso de créditos internacionales	Uso de mecanismos de flexibilidad del PK sujetos a reglas del PK	Uso de mecanismos de flexibilidad del PK sujetos a reglas del PK	Sujetos a límites cuantitativos y cualitativos	Sujetos a límites cuantitativos y cualitativos	Sujetos a límites cuantitativos y cualitativos
Arrastre de unidades sobrantes de períodos anteriores	No aplicable	Sujeto a las reglas del PK incluyendo las acordadas en la Enmienda de Doha	No aplicable	Se permite el arrastre de derechos de emisión desde el segundo periodo del régimen EU ETS.	No se permite arrastre de periodos anteriores
Gases incluidos	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ ¹	
Sectores incluidos	Anexo A del PK (Energía, IPPU, agricultura, residuos), LULUCF de acuerdo con las reglas de contabilidad para CP1	Anexo A del PK (Energía, IPPU, agricultura, residuos), LULUCF de acuerdo con las reglas de contabilidad para CP2	Energía, IPPU, agricultura, residuos, aviación en el ámbito del EU ETS	Generación de calor y energía, sectores industriales con un uso intensivo de la energía, aviación (Anexo 1 de la Directiva ETS)	Transporte (excepto aviación), edificios, industria no ETS, agricultura (excepto silvicultura) y residuos
PCGs utilizados	IPCC SAR	IPCC AR4	IPCC AR4	IPCC AR4	

¹ En el tercer periodo de comercio de derechos de emisión 2013-2020 el EU ETS cubre el CO₂, y para determinadas actividades además, los gases N₂O, CF₄ y C₂F₆.

4. PROGRESO EN LA CONSECUCCIÓN DE LOS OBJETIVOS DE LIMITACIÓN Y REDUCCIÓN DE EMISIONES QUE CUBREN TODOS LOS SECTORES DE LA ECONOMÍA

Como se ha visto en el apartado anterior, España, como miembro de la Unión Europea, cuenta con un objetivo de reducción de emisiones de gases de efecto invernadero para el año 2020. El seguimiento del cumplimiento de dicho objetivo se materializa a través de los datos arrojados por el inventario nacional de gases de efecto invernadero y el proceso de revisión de éstos (ver apartado anterior para más detalle).

- **Sectores no ETS:** las emisiones verificadas de España en los sectores no ETS se detallan en la siguiente tabla.

Tabla 4 Emisiones España en sectores no ETS

	2013	2014	2015
EMISIONES (ktCO₂)	200.278 ¹	199.755 ²	196.153 ³

En los tres años, las emisiones se encontraron por debajo de las Asignaciones anuales de emisiones (ver Tabla 2).

- **Sectores ETS:** las emisiones verificadas en el ETS en España se detallan en la siguiente tabla:

Tabla 5 Emisiones verificadas en ETS España

Serie temporal para el periodo 2013-2016 en millones de tCO ₂ eq. Fuente: MAPAMA	2013	2014	2015	2016
Generación	56,04	58,91	69,29	55,56
Combustión (1.b - 1.c)	14,13	11,59	11,72	11,97
Industria	52,64	54,35	56,27	56,03
Total	122,81	124,85	137,27	123,55

El grado de cumplimiento de las obligaciones básicas por parte de las instalaciones afectadas⁴ (i.e. anotación del dato de emisiones en el registro y entrega de la cantidad correspondiente de derechos de emisión) es muy elevado. Más del 99% de las instalaciones tienen consignadas sus emisiones en el registro y han entregado tantos derechos como les correspondía para cumplir con sus compromisos.

Puede ampliar la información en el capítulo 4.4.2.1. Aplicación en España del sistema europeo de derechos de emisión, de la Séptima Comunicación Nacional.

Los indicadores de intensidad de carbono e intensidad energética, aportan una visión adicional al análisis sobre el progreso en las emisiones de gases de efecto invernadero de España. En la siguiente Ilustración se incluye la evolución entre 2005 y 2015 de ambos indicadores.

¹ Decisión de ejecución (UE) 2016/2132 de la Comisión de 5 de diciembre de 2016

² Decisión de ejecución (UE) 2017/1015 de la Comisión de 15 de junio de 2017

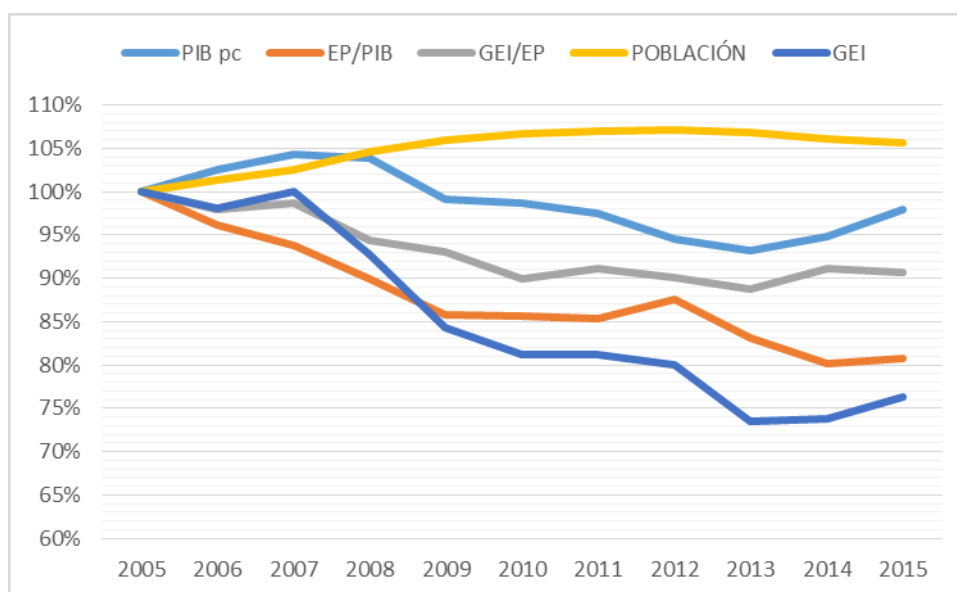
³ Decisión de ejecución (UE) 2017/2377 de la Comisión de 15 de diciembre de 2017

⁴ Más información en: <http://www.mapama.gob.es/es/cambio-climatico/temas/comercio-de-derechos-de-emision/el-comercio-de-derechos-de-emision-en-espana/evaluacion-y-cumplimiento/default.aspx>

Por un lado la población en España muestra una estabilización en el crecimiento, con una ligera tendencia a la baja en los últimos años, por otro, se detecta un repunte en el nivel de actividad económica medido por el PIB per cápita, es decir el producto interior bruto en relación con cada habitante.

En cuanto a la intensidad energética, resultado que se obtiene de realizar el cociente entre la energía primaria y el PIB, se observa positivamente una tendencia general a la baja. Sin embargo, la intensidad de carbono, cociente entre el CO2 que emite cada fuente de energía dividido entre la energía primaria, que contaba con una tendencia decreciente, se ha estabilizado en los últimos años. Este dato, indica que deben intensificarse los esfuerzos para volver a la tendencia previa, de manera que se garantice una efectiva descarbonización de la energía.

Ilustración 2.- Evolución principales indicadores en España



Acciones para reducir emisiones

El desarrollo e implementación de políticas y medidas con impacto en la reducción de emisiones de gases de efecto invernadero en España se refleja de manera resumida y en formato tabular en la Tabla 3 del presente informe bienal. [La información de detalle puede ser consultada en el capítulo 4 de la Séptima Comunicación de España ante la CMNUCC.](#)

Como se destaca en dicha Comunicación Nacional, una parte importante de dichas políticas derivan de legislación aprobada a nivel europeo y que es de aplicación en todos los Estados Miembros. Algunas de las más relevantes se mencionan en la [Séptima Comunicación de España, sin embargo, y para un mayor detalle, se recomienda consultar el Tercer Informe Bienal de la Unión Europea.](#)

Adicionalmente, debemos incidir en que la política nacional en materia de cambio climático en España, se desarrolla, a su vez, a través de los distintos niveles administrativos existentes. Por tanto, la política nacional establecida en el marco de la Administración General del Estado se ve complementada a través de las políticas y medidas autonómicas y las de los Entes Locales. [Para más información se recomienda consultar el capítulo 4, en especial el apartado 4.6 y 4.7 de la 7ª Comunicación de España ante la CMNUCC.](#)

Los trabajos de coordinación, seguimiento, desarrollo e información para la consecución de los objetivos que ha asumido España en materia de reducción de emisiones de gases de efecto invernadero se llevan a cabo a través del marco institucional en materia de cambio climático existente en el país. En los últimos dos años, se ha reforzado aún más dicho marco, a través de

la creación del Grupo de Trabajo Interministerial para la coordinación de la elaboración del anteproyecto de Ley de cambio climático y transición energética y del Plan Nacional Integrado de Energía y Clima y de la Comisión Interministerial para la elaboración de la Estrategia Española de Economía Circular¹

La cuantificación del impacto de las políticas y medidas puestas en marcha, queda reflejada en la Tabla 3 del Tercer Informe Bienal. Como puede observarse, no todas las medidas identifican dicha cuantificación. Cabe destacar que se está trabajando en mejorar este aspecto, de manera que se pueda responder plenamente a las obligaciones de información asumidas por España. En particular, en el marco de la elaboración del citado Plan Nacional Integrado de Energía y Clima se está haciendo un importante esfuerzo por mejorar los sistemas de proyección de emisiones, construcción de posibles escenarios y evaluación del impacto de las diferentes medidas y políticas contempladas. A continuación se listan los motivos principales que actualmente justifican la ausencia de la estimación del impacto de algunas de las políticas y medidas².

- Por un lado, algunas de las medidas establecen marcos generales o estratégicos de actuación, que si bien, tienen un efecto positivo en la reducción de emisiones de gases de efecto invernadero de un sector concreto, o de manera transversal, la estimación de dichos efectos positivos, es de muy difícil concreción.
- Las medidas de carácter horizontal, cuyo impacto no se circunscribe a un único sector, tienen un efecto de mitigación que además de ser de difícil estimación cuenta con un alto porcentaje de solape con otras medidas, por lo que se ha optado por no cuantificarlas.
- El cálculo del impacto de las medidas se lleva a cabo de manera conservadora, lo que, en algunos casos, produce junto con la naturaleza misma de la medida, que la mitigación conseguida se asigne únicamente a un periodo muy corto de años. Por este motivo, no tiene reflejo dicha mitigación en unas proyecciones a largo plazo.
- En otros casos la dificultad de su cuantificación deriva de integrarse en un sistema supranacional, como en el caso de la implementación del régimen europeo de derechos de emisión.
- Para algunas medidas, el impacto ha sido considerado de cara al establecimiento del escenario con medidas de las proyecciones (WEM), pero sin embargo, la información sobre su impacto no queda reflejada en la Tabla 3 del Informe Bienal. Esto se debe a que el efecto de dichas medidas se incorpora directamente en las estimaciones de las variables de actividad y por tanto, no se pueden hacer estimaciones comparativas entre escenarios.
- Existe un conjunto de medidas, de las que se tiene información suficiente como para ser incluidas en el listado de PAMs de España, pero para las que sin embargo, no se han podido identificar los datos suficientes y/o de calidad que permitiesen realizar una cuantificación del impacto esperado.

La información relativa al uso de créditos internacionales para el cumplimiento de nuestro objetivo se encuentra detallada en el apartado anterior 3.4. [Para más información se recomienda consultar el capítulo 4, en especial el apartado 4.3 de la Séptima Comunicación de España ante la CMNUCC.](#)

¹ Para más información sobre este y otros detalles del marco institucional consultar el apartado 4.1 de la 7ª Comunicación de España ante la CMNUCC

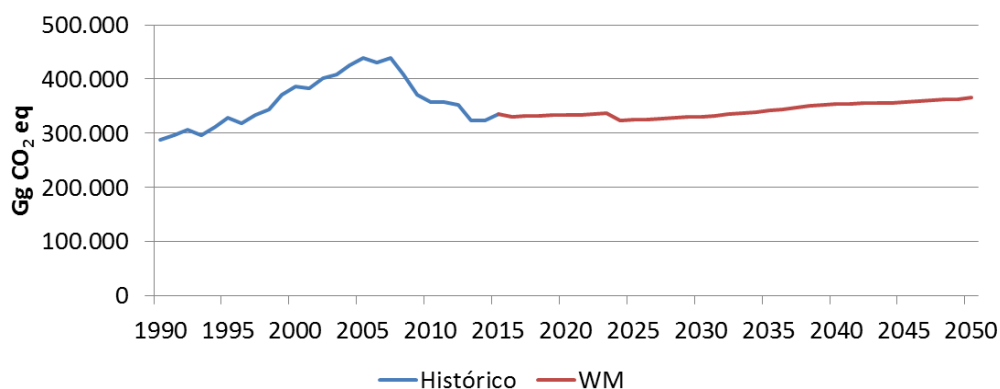
² En todos los csos indicado como NE en la Tabla 3

Por último, indicar que la información de detalle sobre las consecuencias económicas y sociales de las medidas de respuesta [se encuentra incluida en la Séptima Comunicación de España ante la CMNUCC, en su apartado 4.2.](#)

5. PROYECCIONES

Las Proyecciones de Emisiones a la Atmósfera (Proyecciones) son una herramienta fundamental para conocer las tendencias y el efecto de las medidas de mitigación del cambio climático. El horizonte de proyección se extiende en esta edición hasta el año 2050, es decir, cubre el periodo 2015-2050, para un único **escenario** sobre los que se proyectan las emisiones "con medidas" (WM por sus siglas en inglés).

En la siguiente Ilustración se muestra la evolución de las emisiones de gases de efecto invernadero expresadas en kilotoneladas de CO₂ equivalente sin incluir LULUCF, para el escenario WM.



Las proyecciones desagregadas por sectores de actividad se presentan en detalle en el capítulo 5.2. de la Séptima Comunicación Nacional de España. Igualmente, en el punto 5.4. se detalla la metodología. En ella se explica su enfoque metodológico, los principales factores y variables empleados en la estimación de las proyecciones, las diferencias respecto a la metodología empleada en la Comunicación Nacional anterior y el análisis de sensibilidad respecto al crecimiento económico. La Tabla 5 del CTF que refleja la información sobre estas proyecciones, se incluye en el Anexo I del documento.

6. PRESTACIÓN DE APOYO FINANCIERO, TECNOLÓGICO Y CREACIÓN DE CAPACIDAD PARA LOS PAÍSES EN DESARROLLO

El apoyo por parte de España a los países en desarrollo en relación con el cambio climático tanto financiero como tecnológico y de capacitación, se articula a través de contribuciones financieras y a través de colaboraciones y cooperaciones técnicas de numerosos organismos del sector público español. En concreto mediante:

- Contribuciones financieras de Ayuda Oficial al Desarrollo (AOD) y de Otros Flujos Oficiales (OFO), tanto bilaterales como multilaterales.
- Actividades que promueven el desarrollo y la transferencia de tecnología en sectores asociados al cambio climático
- Actividades que promueven la capacitación técnica e institucional en sectores asociados al cambio climático.

Toda esta información, en relación a los años 2015 y 2016, se presenta en el Anexo 1, Tablas 7, 7a y 7b, 8 y 9.

En relación al apoyo financiero, en este tercer Informe Bienal de España a la CMNUCC se presentan datos de las contribuciones relacionadas con cambio climático de España a países en desarrollo tanto a través de contribuciones de Ayuda Oficial al Desarrollo (AOD) como de Otros Flujos Oficiales (OFO) desembolsadas en los años 2015 y 2016 (ver Tablas 7a y 7b (CTF) del Anexo 1) que ascendieron a 476 y 595 millones de euros respectivamente.

Comprometido versus desembolsado: hasta 2015 se ha contabilizado las contribuciones “desembolsadas” (provided), es decir fondos aportados al país u organismo en ese mismo año, excepto en el caso de seguros de créditos a la exportación en donde se contabilizan las contribuciones “comprometidas” (committed) por la propia naturaleza del instrumento. A partir del año 2016, siguiendo orientaciones de la Unión Europea a los Estados Miembros se contabilizan las contribuciones bilaterales “comprometidas” y las contribuciones multilaterales “desembolsadas”.

Moneda y tipo de cambio utilizado: para aquellos casos en los que no se dispone del tipo de cambio utilizado para pasar las cifras a dólares, se ha utilizado la media anual del CAD-OCDE (Annual Average Dollar Exchange Rates for DAC Members) para 2015 y 2016 respectivamente.

Para el detalle de otros temas en relación al apoyo financiero, se recomienda consultar la [Séptima Comunicación Nacional de España a la CMNUCC](#), en concreto para:

- Metodologías de contabilización del apoyo financiero relacionado con cambio climático.
- Concepto de nuevo y adicional;
- Tipo de instrumentos para la canalización de financiación climática;
- Apalancamiento de flujos de financiación privada y sector privado;
- Cómo asegurar que los recursos proporcionados hacen frente de manera efectiva a las necesidades de los países;
- Apoyo proporcionado para los países que son particularmente vulnerables a los efectos adversos del cambio climático para hacer frente a los costes de adaptación;
- Indicadores usados para hacer un seguimiento del apoyo financiero suministrado a países en desarrollo.

En relación al apoyo tecnológico y de capacitación, para llevar a cabo un seguimiento de las principales acciones promovidas o apoyadas desde España de desarrollo y transferencia de tecnologías y de capacitación en materia de cambio climático en países en desarrollo, desde la

Oficina Española de Cambio Climático se contacta con todos los actores con competencias en la materia para compilar la información más relevante. Así en el [Anexo 1, Tablas 8 y 9 \(CTF\)](#) se presenta una selección de ejemplos de las principales actuaciones llevadas a cabo en 2015 y 2016 en materia de desarrollo y transferencia de tecnologías y de capacitación respectivamente

Cabe destacar, entre otros, los siguientes organismos implicados en estas actuaciones:

- AECID: Agencia Española de Cooperación Internacional para el Desarrollo
- AEMET: Agencia Estatal de Meteorología
- Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente (a través de sus diferentes unidades, entre las que destaca la Oficina Española de Cambio Climático)
- CDTI: Centro para el Desarrollo Tecnológico Industrial
- CIEMAT: Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas
- IDAE: Instituto para la Diversificación y el Ahorro Energético
- OEPM: Oficina Española de Patentes y Marcas, O.A.

Para el detalle de otros temas en relación al apoyo tecnológico y de capacitación se recomienda [consultar la Séptima Comunicación Nacional de España a la CMNUCC](#), en concreto para:

- Transferencia de tecnologías materiales “hard” como tecnologías inmateriales “soft”
- Cómo se fomentan las capacidades endógenas y tecnológicas de los países en desarrollo
- Diferenciación de actividades llevadas a cabo por el sector público o privado
- Cómo se hace frente a las necesidades existentes de los países en materia de capacitación para adaptación y mitigación

7. ANEXO 1. TABLAS DEL INFORME BIENAL

tabla	Contenido
Table 1s1	Emission trends: summary
Table 1s2	Emission trends: summary
Table 1s3	Emission trends: summary
Table 1(a)s1	Emission trends CO2
Table 1(a)s2	Emission trends CO2
Table 1(a)s3	Emission trends CO2
Table 1(b)s1	Emission trends CH4
Table 1(b)s2	Emission trends CH4
Table 1(b)s3	Emission trends CH4
Table 1(c)s1	Emission trends N2O
Table 1(c)s2	Emission trends N2O
Table 1(c)s3	Emission trends N2O
Table 1(d)s1	Emission trends HFCs, PFCs Y SF6
Table 1(d)s2	Emission trends HFCs, PFCs Y SF6
Table 1(d)s3	Emission trends HFCs, PFCs Y SF6
Table 2(a)	Description of quantified economy-wide emission reduction target: base year
Table 2(b)	Description of quantified economy-wide emission reduction target: gases and sectors covered
Table 2(c)	Description of quantified economy-wide emission reduction target: global warming potential values (GWP)
Table 2(d)	Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector
Table 2(e)I	Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention
Table 2(e)II	Description of quantified economy-wide emission reduction target: other market-based mechanisms
Table 2(f)	Description of quantified economy-wide emission reduction target: any other information
Table 3	Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects
Table 4	Reporting on progressa, b
Table 4(a)_2013	Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2014
Table 4(a)_2014	Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2015
Table 4(a)II	No data was imported from KP-LULUCF CRF table 10 from the latest official GHG inventory submission.
Table 4(b)	Reporting on progress
Table 5	Summary of key variables and assumptions used in the projections analysis

tabla	Contenido
Table 6(a)	Information on updated greenhouse gas projections under a 'with measures' scenario
Table 6(b)	GHG projections: Scenario 'without measures' was not included.
Table 6(c)	Information on updated greenhouse gas projections under a 'with additional measures' scenario
Table 7	Provision of public financial support: summary information in 2015 and 2016
Table 7(a)	Provision of public financial support: contribution through multilateral channels in 2015 and 2016
Table 7(b)	Provision of public financial support: contribution through bilateral, regional and other channels in 2015 and 2016
Table 8	Examples of technology development and transfer activities on climate change in development countries in 2015 and 2016
Table 9	Examples of capacity-building activities on climate change in development countries in 2015 and 2016

Table 1

Emission trends: summary ⁽¹⁾

(Sheet 1 of 3)

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GREENHOUSE GAS EMISSIONS	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO ₂ eq								
CO ₂ emissions without net CO ₂ from LULUCF	231,309.75	231,309.75	240,917.91	249,588.47	241,123.33	253,621.57	267,284.70	254,907.08	267,640.83
CO ₂ emissions with net CO ₂ from LULUCF	205,561.77	205,561.77	214,972.80	225,944.16	217,482.03	227,265.78	240,181.65	226,576.43	237,279.29
CH ₄ emissions without CH ₄ from LULUCF	35,168.64	35,168.64	34,649.43	35,510.57	35,544.62	36,497.65	37,296.25	38,476.54	39,103.55
CH ₄ emissions with CH ₄ from LULUCF	35,476.61	35,476.61	35,059.32	35,683.22	35,682.14	37,137.98	37,526.44	38,568.00	39,267.99
N ₂ O emissions without N ₂ O from LULUCF	17,081.85	17,081.85	16,493.37	15,876.70	14,856.28	16,362.10	16,274.83	18,087.03	17,587.22
N ₂ O emissions with N ₂ O from LULUCF	17,378.13	17,378.13	16,878.78	16,082.88	15,050.90	16,983.19	16,594.62	18,298.48	17,883.58
HFCs	3,039.92	3,039.92	2,756.35	3,494.58	2,856.56	4,373.88	5,872.42	6,546.41	7,725.65
PFCs	1,164.38	1,164.38	1,087.13	1,026.32	1,065.88	1,038.45	1,055.37	1,002.13	1,025.74
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	63.61	63.61	69.71	72.94	77.02	84.65	100.93	111.43	152.53
NF ₃	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Total (without LULUCF)	287,828.14	287,828.14	295,973.90	305,569.58	295,523.69	311,978.31	327,884.51	319,130.63	333,235.52
Total (with LULUCF)	262,684.41	262,684.41	270,824.09	282,304.11	272,214.52	286,883.94	301,331.44	291,102.89	303,334.77
Total (without LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (with LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	NA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt CO ₂ eq								
1. Energy	213,254.10	213,254.10	223,682.30	234,371.70	226,093.03	236,356.73	250,092.61	237,642.28	249,707.30
2. Industrial processes and product use	29,994.07	29,994.07	28,421.16	27,241.14	26,095.98	30,381.75	32,207.93	32,977.95	35,149.82
3. Agriculture	34,755.16	34,755.16	33,818.88	33,553.87	32,563.67	33,992.80	34,022.03	36,676.97	36,389.54
4. Land Use, Land-Use Change and Forestry ^b	-25,143.73	-25,143.73	-25,149.82	-23,265.47	-23,309.17	-25,094.37	-26,553.07	-28,027.75	-29,900.75
5. Waste	9,824.80	9,824.80	10,051.56	10,402.87	10,771.00	11,247.03	11,561.94	11,833.43	11,988.86
6. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	262,684.41	262,684.41	270,824.09	282,304.11	272,214.52	286,883.94	301,331.44	291,102.89	303,334.77

Note: All footnotes for this table are given on sheet 3.

¹ The common tabular format will be revised, in accordance with relevant decisions of the Conference of the Parties and, where applicable, with decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol."

Table 1
Emission trends: summary ⁽¹⁾
(Sheet 2 of 3)

GREENHOUSE GAS EMISSIONS	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
CO ₂ emissions without net CO ₂ from LULUCF	276,110.00	299,862.82	311,933.70	313,831.08	333,912.03	338,112.37	355,268.38	370,511.78	361,744.00	369,323.54
CO ₂ emissions with net CO ₂ from LULUCF	243,916.95	264,151.86	273,613.43	275,089.12	294,809.27	299,900.65	316,991.23	330,974.47	318,150.87	330,733.04
CH ₄ emissions without CH ₄ from LULUCF	39,797.68	40,361.76	41,585.31	42,181.03	42,545.52	42,945.92	42,488.71	41,843.08	40,705.04	41,168.39
CH ₄ emissions with CH ₄ from LULUCF	40,006.39	40,492.64	41,870.57	42,316.79	42,708.20	43,180.13	42,717.97	42,145.01	40,978.88	41,287.78
N ₂ O emissions without N ₂ O from LULUCF	18,226.69	19,029.05	19,720.69	18,389.52	17,758.79	18,566.80	17,805.09	16,968.05	16,944.04	17,295.59
N ₂ O emissions with N ₂ O from LULUCF	18,577.21	19,325.16	20,186.20	18,717.11	18,114.65	18,981.51	18,213.36	17,459.33	17,399.58	17,635.61
HFCs	8,000.28	10,037.91	11,664.19	8,299.59	6,870.63	8,783.96	8,940.76	9,807.98	10,990.51	11,692.56
PFCs	943.53	856.92	496.12	274.55	282.19	270.18	261.49	212.65	198.32	187.84
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	158.12	167.98	187.68	163.18	180.41	176.33	199.78	212.60	232.01	238.43
NF ₃	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Total (without LULUCF)	343,236.30	370,316.44	385,587.69	383,138.94	401,549.59	408,855.56	424,964.21	439,556.14	430,813.91	439,906.35
Total (with LULUCF)	311,602.48	335,032.47	348,018.19	344,860.33	362,965.36	371,292.76	387,324.60	400,812.04	387,950.17	401,775.26
Total (without LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (with LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
1. Energy	256,465.08	279,111.36	290,693.88	291,857.49	311,413.42	314,906.10	331,731.32	346,239.29	336,392.82	344,178.52
2. Industrial processes and product use	36,904.71	40,022.14	41,911.24	38,619.77	37,602.32	39,877.35	40,363.64	42,397.73	43,928.35	44,213.69
3. Agriculture	37,508.38	38,459.57	39,998.80	39,306.84	38,860.27	40,519.29	39,629.37	37,359.67	36,669.01	37,842.12
4. Land Use, Land-Use Change and Forestry ^b	-31,633.82	-35,283.97	-37,569.50	-38,278.61	-38,584.22	-37,562.80	-37,639.62	-38,744.10	-42,863.74	-38,131.10
5. Waste	12,358.13	12,723.36	12,983.77	13,354.84	13,673.58	13,552.81	13,239.88	13,559.45	13,823.73	13,672.01
6. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	311,602.48	335,032.47	348,018.19	344,860.33	362,965.36	371,292.76	387,324.60	400,812.04	387,950.17	401,775.26

Note: All footnotes for this table are given on sheet 3.

Table 1
Emission trends: summary ⁽¹⁾
(Sheet 3 of 3)

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GREENHOUSE GAS EMISSIONS	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
									(%)
CO ₂ emissions without net CO ₂ from LULUCF	337,361.87	298,080.71	284,366.51	284,558.03	280,502.46	252,899.99	254,637.29	271,725.57	17.47
CO ₂ emissions with net CO ₂ from LULUCF	299,254.61	259,941.75	245,537.86	247,149.48	245,512.60	216,086.03	214,936.57	232,461.54	13.09
CH ₄ emissions without CH ₄ from LULUCF	39,940.71	41,622.87	39,225.92	39,717.57	38,902.66	37,922.43	37,482.42	38,352.34	9.05
CH ₄ emissions with CH ₄ from LULUCF	40,015.74	41,802.59	39,310.19	39,874.54	39,240.79	38,016.91	37,556.42	38,522.40	8.59
N ₂ O emissions without N ₂ O from LULUCF	15,605.64	15,452.64	15,894.54	15,100.07	14,688.99	15,259.17	15,986.24	16,108.49	-5.70
N ₂ O emissions with N ₂ O from LULUCF	15,914.21	15,859.15	16,205.44	15,470.09	15,196.82	15,537.26	16,237.62	16,430.61	-5.45
HFCs	14,358.85	14,820.31	16,932.26	17,243.68	17,446.63	16,508.81	15,834.29	9,164.91	201.49
PFCs	181.61	122.37	107.33	92.24	56.64	69.28	64.60	88.46	-92.40
Unspecified mix of HFCs and PFCs	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
SF ₆	245.00	231.26	234.87	239.15	219.99	213.85	209.99	221.75	248.63
NF ₃	NA, NO	NO, NE, NA	NO, NE, NA	NO, NE, NA	NO, NE, NA	NA, NO	NA, NO	NO, NA	0.00
Total (without LULUCF)	407,693.68	370,330.16	356,761.43	356,950.74	351,817.37	322,873.54	324,214.82	335,661.52	16.62
Total (with LULUCF)	369,970.02	332,777.43	318,327.95	320,069.18	317,673.47	286,432.14	284,839.49	296,889.66	13.02
Total (without LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total (with LULUCF, with indirect)	NA	NA	NA	NA	NA	NA	NA	NA	0.00

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
									(%)
1. Energy	316,053.33	281,587.54	266,783.41	268,962.45	266,817.79	240,436.13	239,550.83	255,452.61	19.79
2. Industrial processes and product use	42,900.92	38,038.47	40,817.10	38,723.83	36,949.03	34,566.83	36,183.92	30,759.67	2.55
3. Agriculture	34,787.88	35,403.55	34,712.01	34,236.16	33,113.70	33,373.32	34,899.25	35,978.59	3.52
4. Land Use, Land-Use Change and Forestry ^b	-37,723.66	-37,552.74	-38,433.47	-36,881.56	-34,143.90	-36,441.40	-39,375.34	-38,771.85	54.20
5. Waste	13,951.55	15,300.61	14,448.90	15,028.30	14,936.85	14,497.26	13,580.82	13,470.65	37.11
6. Other	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Total (including LULUCF)	369,970.02	332,777.43	318,327.95	320,069.18	317,673.47	286,432.14	284,839.49	296,889.66	13.02

Notes :

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO₂)", "Emission trends (CH₄)", "Emission trends (N₂O)" and "Emission trends (HFCs, PFCs and SF₆)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

Abbreviation: LULUCF = land use, land-use change and forestry.

a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^b Includes net CO₂, CH₄ and N₂O from LULUCF.

Custom Footnotes

Table 1 (a)
Emission trends (CO₂)
(Sheet 1 of 3)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
4. Land Use, Land-Use Change and Forestry	-25,747.98	-25,747.98	-25,945.10	-23,644.31	-23,641.30	-26,355.79	-27,103.05	-28,330.65	-30,361.54
A. Forest land	-23,413.54	-23,413.54	-23,810.52	-24,231.29	-24,566.13	-25,171.87	-26,192.72	-27,398.57	-28,551.59
B. Cropland	-971.91	-971.91	-644.29	971.66	2,036.18	-14.73	746.14	853.31	-287.61
C. Grassland	232.94	232.94	191.91	115.08	57.73	125.71	13.49	-96.39	-94.15
D. Wetlands	32.92	32.92	21.29	9.65	-1.98	-13.61	-25.24	-36.87	-48.50
E. Settlements	383.24	383.24	407.59	431.93	456.27	480.61	504.95	529.30	553.64
F. Other land	25.50	25.50	36.38	47.26	58.13	69.01	79.89	90.76	101.64
G. Harvested wood products	-2,037.14	-2,037.14	-2,147.46	-988.59	-1,681.50	-1,830.92	-2,229.57	-2,272.19	-2,034.97
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	113.26	113.26	93.16	107.77	95.27	84.45	47.88	38.75	26.70
A. Solid waste disposal	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Biological treatment of solid waste									
C. Incineration and open burning of waste	113.26	113.26	93.16	107.77	95.27	84.45	47.88	38.75	26.70
D. Waste water treatment and discharge									
E. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
International bunkers	17,241.89	17,241.89	17,896.15	18,705.75	17,245.37	16,493.06	17,396.11	22,550.16	26,500.35
Aviation	5,575.41	5,575.41	5,529.02	6,172.36	6,308.68	6,601.09	7,224.11	7,698.56	8,180.09
Navigation	11,666.48	11,666.48	12,367.13	12,533.39	10,936.69	9,891.97	10,172.00	14,851.60	18,320.26
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ emissions from biomass	18,234.48	18,234.48	17,105.70	15,583.04	15,627.00	15,660.43	15,252.44	15,354.30	15,604.30
CO₂ captured	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	NE	NE	NE
Indirect N₂O									
Indirect CO₂ (3)	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA
Total CO₂ equivalent emissions with land use, land-use change and forestry	205,561.77	205,561.77	214,972.80	225,944.16	217,482.03	227,265.78	240,181.65	226,576.43	237,279.29
Total CO₂ equivalent emissions, including indirect CO₂, with land use, land-use change and forestry	NA	NA	NA	NA	NA	NA	NA	NA	NA
Note: All footnotes for this table are given at the end of the table on sheet 6.									

Note: All footnotes for this table are given on sheet 3.

Table 1 (a)
Emission trends (CO₂)
(Sheet 2 of 3)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
4. Land Use, Land-Use Change and Forestry	-32,193.05	-35,710.96	-38,320.27	-38,741.96	-39,102.76	-38,211.73	-38,277.15	-39,537.31	-43,593.13	-38,590.50
A. Forest land	-30,991.29	-32,922.20	-35,302.50	-36,380.13	-36,778.27	-37,203.43	-38,240.00	-38,851.46	-39,962.37	-39,916.19
B. Cropland	-357.82	-190.10	-239.93	561.70	628.13	1,730.74	2,633.12	1,258.99	-1,162.64	2,685.41
C. Grassland	-109.74	-203.91	-68.79	-131.74	-31.34	74.87	131.31	333.11	340.41	360.35
D. Wetlands	-60.13	-71.77	-83.40	-127.95	-127.95	-127.95	-127.95	-127.95	-123.05	-126.07
E. Settlements	578.07	602.60	627.26	865.66	904.11	942.57	981.02	1,019.47	1,052.47	1,078.48
F. Other land	112.52	123.39	134.27	119.64	119.64	119.64	119.64	119.64	119.64	119.64
G. Harvested wood products	-1,364.65	-3,048.98	-3,387.18	-3,649.14	-3,817.10	-3,748.18	-3,774.30	-3,289.11	-3,857.59	-2,792.13
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	21.53	18.13	12.80	10.22	9.72	4.80	1.34	0.84	NA, NO, IE	NA, NO, IE
A. Solid waste disposal	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
B. Biological treatment of solid waste										
C. Incineration and open burning of waste	21.53	18.13	12.80	10.22	9.72	4.80	1.34	0.84	NO, IE	NO, IE
D. Waste water treatment and discharge										
E. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
International bunkers	28,328.08	28,179.46	29,305.91	31,614.60	31,679.47	32,668.93	34,358.78	37,308.61	39,012.60	40,319.05
Aviation	9,048.75	9,362.42	10,091.66	10,114.83	9,671.13	10,235.61	11,242.47	11,929.30	12,516.93	13,210.10
Navigation	19,279.33	18,817.04	19,214.25	21,499.77	22,008.34	22,433.31	23,116.31	25,379.32	26,495.67	27,108.95
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ emissions from biomass	16,299.16	16,594.55	16,966.15	17,218.82	18,127.48	19,587.37	19,927.74	20,229.06	19,928.01	20,674.56
CO₂ captured	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Indirect N₂O										
Indirect CO₂ (3)	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA
Total CO₂ equivalent emissions with land use, land-use change and forestry	243,916.95	264,151.86	273,613.43	275,089.12	294,809.27	299,900.65	316,991.23	330,974.47	318,150.87	330,733.04
Total CO₂ equivalent emissions, including indirect CO₂, with land use, land-use change and forestry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Note: All footnotes for this table are given at the end of the table on sheet 6.										

Note: All footnotes for this table are given on sheet 3.

Table 1(a)
Emission trends (CO₂)
(Sheet 3 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year %
1. Energy	310,956.94	276,702.84	261,899.15	264,171.45	261,869.47	235,597.93	234,953.22	250,842.50	20.39
A. Fuel combustion (sectoral approach)	308,635.13	274,426.45	259,598.10	261,413.40	258,419.93	231,737.60	230,866.08	247,121.72	19.63
1. Energy industries	108,975.52	91,478.42	74,645.59	87,349.79	92,341.90	72,668.00	75,999.63	85,747.84	9.14
2. Manufacturing industries and construction	57,641.56	48,281.26	49,890.92	46,780.16	45,737.92	41,899.52	39,157.91	40,106.41	-10.37
3. Transport	101,218.32	93,942.67	90,469.00	84,781.04	79,275.09	79,064.46	79,360.86	82,463.73	42.06
4. Other sectors	40,401.96	40,370.30	44,198.52	42,141.78	40,725.98	37,831.98	36,027.30	38,463.54	53.46
5. Other	397.77	353.80	394.07	360.64	339.04	273.64	320.37	340.20	125.21
B. Fugitive emissions from fuels	2,321.81	2,276.39	2,301.05	2,758.05	3,449.53	3,860.33	4,087.14	3,720.78	109.39
1. Solid fuels	43.35	14.01	37.13	43.86	23.48	3.50	29.49	28.65	62.50
2. Oil and natural gas and other emissions from energy production	2,278.46	2,262.38	2,263.92	2,714.19	3,426.05	3,856.83	4,057.65	3,692.13	109.86
C. CO ₂ transport and storage	NO	NO	NO	NO	NO	NO	NO	NO	0.00
2. Industrial processes	26,055.23	20,916.98	21,959.89	19,930.51	18,191.64	16,800.52	19,089.64	20,371.60	-8.79
A. Mineral industry	18,506.42	14,429.41	14,285.55	12,714.32	11,632.92	10,453.98	11,739.06	12,142.25	-19.89
B. Chemical industry	2,872.73	2,789.30	3,147.14	3,157.65	2,853.00	2,656.43	3,122.06	3,191.28	15.07
C. Metal industry	3,541.30	2,678.75	3,511.22	3,095.00	2,785.27	2,847.61	3,375.10	4,183.81	22.91
D. Non-energy products from fuels and solvent use	1,134.78	1,019.52	1,015.98	963.54	920.45	842.51	853.42	854.25	-14.62
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	0.00
H. Other	NA, IE	NA, IE	IE, NA	IE, NA	NA, IE	IE, NA	IE, NA	IE, NA	0.00

Table 1(a)
Emission trends (CO₂)
(Sheet 3 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
	%								
International bunkers	41,393.53	40,207.35	39,634.85	42,007.76	40,373.72	36,655.80	38,960.39	38,560.81	123.65
Aviation	13,272.67	12,264.02	12,698.97	14,458.35	13,469.12	13,534.54	13,947.03	14,621.58	162.25
Navigation	28,120.87	27,943.34	26,935.88	27,549.41	26,904.59	23,121.26	25,013.36	23,939.23	105.20
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 emissions from biomass	21,261.95	23,794.84	24,818.73	27,601.22	29,525.48	27,109.45	26,783.61	26,474.24	45.19
CO2 captured	NO	NO	NO	NO	NO	NO	NO	NO	0.00
Long-term storage of C in waste disposal sites	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Indirect N2O									
Indirect CO2 (3)	NE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	NE, IE, NA	0.00
Total CO2 equivalent emissions with land use, land-use change and forestry	299,254.61	259,941.75	245,537.86	247,149.48	245,512.60	216,086.03	214,936.57	232,461.54	13.09
Total CO2 equivalent emissions, including indirect CO2, with land use, land-use change and forestry	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Note: All footnotes for this table are given at the end of the table on sheet 6.									

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

b Fill in net emissions/removals as reported in CRF table Summary 1.A of the latest reported inventory year. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

Custom Footnotes

Table 1(b)
Emission trends (CH₄)
(Sheet 1 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
Total CH₄ emissions with CH₄ from LULUCF	1,419.06	1,419.06	1,402.37	1,427.33	1,427.29	1,485.52	1,501.06	1,542.72	1,570.72
Memo items:									
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Navigation	1.07	1.07	1.13	1.15	1.00	0.90	0.93	1.36	1.68
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ emissions from biomass									
CO₂ captured									
Long-term storage of C in waste disposal sites									
Indirect N₂O									
Indirect CO₂ (3)									

Note: All footnotes for this table are given on sheet 3.

Table 1(b)
Emission trends (CH₄)
(Sheet 2 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
5. Waste	443.91	458.45	468.21	481.97	492.60	486.96	473.17	485.03	495.74	487.47
A. Solid waste disposal	342.38	357.77	368.84	383.26	391.82	384.77	369.44	380.38	391.16	401.02
B. Biological treatment of solid waste	3.66	4.05	5.09	5.71	7.18	7.82	9.35	9.93	10.42	11.24
C. Incineration and open burning of waste	11.81	11.70	11.85	11.96	11.96	12.07	12.24	12.27	12.24	12.20
D. Waste water treatment and discharge	85.42	84.27	81.75	80.37	80.90	81.53	81.38	81.75	81.21	62.25
E. Other	0.64	0.66	0.67	0.69	0.74	0.76	0.76	0.70	0.71	0.77
6. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH₄ emissions with CH₄ from LULUCF	1,600.26	1,619.71	1,674.82	1,692.67	1,708.33	1,727.21	1,708.72	1,685.80	1,639.16	1,651.51
Memo items:										
Aviation	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Navigation	1.76	1.72	1.75	1.96	2.00	2.04	2.10	2.31	2.41	2.47
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ emissions from biomass										
CO₂ captured										
Long-term storage of C in waste disposal sites										
Indirect N₂O										
Indirect CO₂ (3)										

Note: All footnotes for this table are given on sheet 3.

Table 1(b)
Emission trends (CH₄)
(Sheet 3 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
	%								
1. Energy	132.69	129.57	131.38	125.25	130.79	129.33	118.53	115.63	-20.44
A. Fuel combustion (sectoral approach)	90.89	89.41	93.05	89.45	95.68	92.56	82.66	81.57	46.08
1. Energy industries	8.25	6.51	7.08	5.16	5.67	5.50	5.01	3.89	90.46
2. Manufacturing industries and construction	38.19	31.91	34.58	33.63	37.82	42.00	33.85	33.73	535.82
3. Transport	6.00	5.42	5.10	4.59	4.35	3.72	3.62	3.54	-76.99
4. Other sectors	38.45	45.56	46.29	46.07	47.83	41.35	40.19	40.40	22.04
5. Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-66.70
B. Fugitive emissions from fuels	41.80	40.16	38.33	35.80	35.11	36.76	35.86	34.07	-61.94
1. Solid fuels	19.04	16.27	13.99	11.37	9.04	8.56	6.29	6.18	-90.47
2. Oil and natural gas and other emissions from energy production	22.75	23.89	24.34	24.44	26.07	28.21	29.58	27.89	12.97
C. CO2 transport and storage									
2. Industrial processes	6.12	5.93	6.80	6.82	6.00	5.89	6.81	7.14	13.40
A. Mineral industry									
B. Chemical industry	5.35	5.37	6.05	6.10	5.36	5.10	6.01	6.25	19.16
C. Metal industry	0.76	0.56	0.74	0.72	0.65	0.79	0.80	0.88	-15.45
D. Non-energy products from fuels and solvent use	NA	NA	NA	NA	NA	NA	NA	NA	0.00
E. Electronic industry									
F. Product uses as ODS substitutes									
G. Other product manufacture and use	NO	NO	NO	NO	NO	NO	NO	NO	0.00
H. Other	NA, IE	NA, IE	NA, IE	NA, IE	NA, IE	NA, IE	NA, IE	IE, NA	0.00

Table 1(b)
Emission trends (CH₄)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
	%								
Total CH4 emissions with CH4 from LULUCF	1,600.63	1,672.10	1,572.41	1,594.98	1,569.63	1,520.68	1,502.26	1,540.90	8.59
Memo items:									
Aviation	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	105.61
Navigation	2.56	2.55	2.46	2.51	2.45	2.11	2.28	2.19	104.22
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O									
Indirect CO2 (3)									

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forest
a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Table 1(c)
Emission trends (N₂O)
(Sheet 1 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
4. Land use, land-use change and forestry	0.99	0.99	1.29	0.69	0.65	2.08	1.07	0.71	0.99
A. Forest land	0.29	0.29	0.49	0.17	0.13	0.84	0.18	0.05	0.11
B. Cropland	0.05	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.36
C. Grassland	0.65	0.65	0.69	0.35	0.30	0.96	0.56	0.27	0.43
D. Wetlands	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Settlements	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05
F. Other land	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02
G. Harvested wood products									
H. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Waste	4.30	4.30	4.08	4.04	4.07	4.09	3.99	3.94	4.12
A. Solid waste disposal									
B. Biological treatment of solid waste	0.18	0.18	0.14	0.11	0.11	0.13	0.15	0.17	0.22
C. Incineration and open burning of waste	1.22	1.22	1.19	1.19	1.19	1.19	1.19	1.13	1.14
D. Waste water treatment and discharge	2.90	2.90	2.76	2.74	2.77	2.76	2.65	2.63	2.76
E. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total direct N₂O emissions with N₂O from LULUCF	58.32	58.32	56.64	53.97	50.51	56.99	55.69	61.40	60.01
Memo items:									
Aviation	0.15	0.15	0.15	0.17	0.17	0.18	0.20	0.21	0.22
Navigation	0.31	0.31	0.32	0.33	0.29	0.26	0.27	0.39	0.48
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO₂ emissions from biomass									
CO₂ captured									
Long-term storage of C in waste disposal sites									
Indirect N₂O	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA
Indirect CO₂ (3)									

Note: All footnotes for this table are given on sheet 3.

Table 1(c)
Emission trends (N₂O)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
5. Waste	4.16	4.17	4.25	4.35	4.53	4.61	4.73	4.81	4.80	4.98
A. Solid waste disposal										
B. Biological treatment of solid waste	0.22	0.24	0.31	0.34	0.43	0.47	0.56	0.59	0.62	0.67
C. Incineration and open burning of waste	1.14	1.14	1.19	1.20	1.20	1.22	1.19	1.19	1.18	1.23
D. Waste water treatment and discharge	2.79	2.79	2.75	2.81	2.89	2.93	2.98	3.02	3.00	3.09
E. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total direct N2O emissions with N2O from LULUCF	62.34	64.85	67.74	62.81	60.79	63.70	61.12	58.59	58.39	59.18
Memo items:										
Aviation	0.25	0.26	0.28	0.28	0.27	0.28	0.31	0.33	0.34	0.36
Navigation	0.50	0.49	0.50	0.56	0.57	0.58	0.60	0.66	0.69	0.70
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CO2 emissions from biomass										
CO2 captured										
Long-term storage of C in waste disposal sites										
Indirect N2O	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA
Indirect CO2 (3)										

Note: All footnotes for this table are given on sheet 3.

Table 1(c)
Emission trends (N₂O)
(Sheet 3 of 3)

ESP_BR3_v1.0

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
	%								
Total direct N2O emissions with N2O from LULUCF	53.40	53.22	54.38	51.91	51.00	52.14	54.49	55.14	-5.45
Memo items:									
Aviation	0.36	0.34	0.35	0.40	0.37	0.37	0.38	0.40	162.25
Navigation	0.73	0.73	0.70	0.72	0.70	0.60	0.65	0.62	104.22
Multilateral operations	NO	NO	NO	NO	NO	NO	NO	NO	0.00
CO2 emissions from biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect N2O	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	NE, NA	0.00
Indirect CO2 (3)									

Abbreviations: CRF = common reporting format, LULUCF = land use, land-use change and forestry
a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Table 1(d)

ESP_BR3_v1.0

Emission trends (HFCs, PFCs and SF₆)
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997
	kt								
Emissions of HFCs and PFCs - (kt CO₂ equivalent)	4,204.30	4,204.30	3,843.48	4,520.90	3,922.44	5,412.33	6,927.79	7,548.54	8,751.39
Emissions of HFCs - (kt CO₂ equivalent)	3,039.92	3,039.92	2,756.35	3,494.58	2,856.56	4,373.88	5,872.42	6,546.41	7,725.65
HFC-23	0.21	0.21	0.19	0.24	0.19	0.30	0.40	0.43	0.50
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO, IE	NA, NO, IE
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.01	0.02
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.04	0.12
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.01	0.03
HFC-152	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-152a	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO, IE	NA, NO, IE
HFC-161	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00
HFC-236cb	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-365mfc	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of HFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
CF ₄	0.14	0.14	0.13	0.12	0.13	0.12	0.13	0.12	0.12
C ₂ F ₆	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C ₃ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00
C ₄ F ₁₀	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00
c-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C10F18	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C3F6	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of PFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of HFCs and PFCs - (kt CO₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
NF ₃	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO

Note: All footnotes for this table are given on sheet 3.

Table 1(d)
Emission trends (HFCs, PFCs and SF₆)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Emissions of HFCs and PFCs - (kt CO₂ equivalent)	8,943.81	10,894.84	12,160.31	8,574.14	7,152.83	9,054.14	9,202.26	10,020.63	11,188.83	11,880.40
Emissions of HFCs - (kt CO₂ equivalent)	8,000.28	10,037.91	11,664.19	8,299.59	6,870.63	8,783.96	8,940.76	9,807.98	10,990.51	11,692.56
HFC-23	0.44	0.51	0.56	0.27	0.12	0.18	0.10	0.09	0.11	0.10
HFC-32	0.04	0.07	0.11	0.14	0.18	0.22	0.27	0.31	0.35	0.38
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.14	0.24	0.35	0.46	0.57	0.69	0.81	0.93	1.06	1.17
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.45	0.69	0.87	1.01	1.10	1.35	1.49	1.65	1.80	1.95
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.08	0.13	0.19	0.25	0.30	0.35	0.41	0.48	0.54	0.59
HFC-152	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.17	0.10	0.08
HFC-161	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-227ea	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04
HFC-236cb	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-236fa	NA, NO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.15	0.14	0.14	0.13
HFC-365mfc	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.26	0.25	0.24	0.22
Unspecified mix of HFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
CF ₄	0.11	0.10	0.06	0.03	0.03	0.03	0.03	0.03	0.02	0.02
C ₂ F ₆	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₃ F ₈	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₄ F ₁₀	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C10F18	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C3F6	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of PFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of HFCs and PFCs - (kt CO₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
SF ₆	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
NF3	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO

Note: All footnotes for this table are given on sheet 3.

Table 1(d)

ESP_BR3_v1.0

Emission trends (HFCs, PFCs and SF₆)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2008	2009	2010	2011	2012	2013	2014	2015	Change from base to latest reported year
Emissions of HFCs and PFCs - (kt CO₂ equivalent)	14,540.46	14,942.68	17,039.59	17,335.92	17,503.26	16,578.10	15,898.88	9,253.37	120.09
Emissions of HFCs - (kt CO₂ equivalent)	14,358.85	14,820.31	16,932.26	17,243.68	17,446.63	16,508.81	15,834.29	9,164.91	201.49
HFC-23	0.10	0.09	0.12	0.08	0.07	0.06	0.06	0.05	-77.42
HFC-32	0.49	0.51	0.59	0.63	0.64	0.61	0.57	0.40	100.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-125	1.51	1.60	1.81	1.94	1.98	1.89	1.81	0.99	100.00
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-134a	2.41	2.52	2.77	2.91	2.95	2.82	2.72	1.90	100.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-143a	0.76	0.80	0.91	0.97	0.99	0.95	0.90	0.37	100.00
HFC-152	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-152a	0.07	0.07	0.08	0.07	0.05	0.06	0.04	0.05	100.00
HFC-161	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-227ea	0.05	0.05	0.06	0.07	0.08	0.09	0.09	0.09	100.00
HFC-236cb	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-236ea	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-236fa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
HFC-245fa	0.10	0.06	0.06	0.05	0.04	0.02	0.02	0.02	100.00
HFC-365mfc	0.17	0.11	0.10	0.08	0.07	0.03	0.03	0.03	100.00
Unspecified mix of HFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
CF ₄	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-92.71
C ₂ F ₆	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-91.39
C ₃ F ₈	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
C ₄ F ₁₀	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
C-C ₄ F ₈	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
C ₅ F ₁₂	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
C ₆ F ₁₄	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
C10F18	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
c-C3F6	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
Unspecified mix of PFCs(4) - (kt CO ₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
Unspecified mix of HFCs and PFCs - (kt CO₂ equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NO, NA	0.00
SF ₆	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	248.63
NF3	NA, NO	NO, NE, NA	NO, NE, NA	NO, NE, NA	NO, NE, NA	NA, NO	NA, NO	NO, NA	0.00

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

a The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

cEnter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO₂ equivalent emissions.

dIn accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories", HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO₂ equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

Custom Footnotes

Documentation Box:

Table 2(a)

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Description of quantified economy-wide emission reduction target: base year^a

Party	Spain	
Base year /base period	1990	
Emission reduction target	% of base year/base period	% of 1990 ^b
	20.00	20.00
Period for reaching target	2020	

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Optional.

Description of quantified economy-wide emission reduction target: gases and sectors covered^a

Gases covered		Base year for each gas (year):
CO ₂		1990
CH ₄		1990
N ₂ O		1990
HFCs		1990
PFCs		1990
SF ₆		1990
NF ₃		
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	No
	Waste	Yes
	Other Sectors (specify)	
	Aviation in the scope of the EUETS (1)	Yes

Abbreviations : LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b More than one selection will be allowed. If Parties use sectors other than those indicated above, the explanation of how these sectors relate to the sectors defined by the IPCC should be provided.

^f Transport is reported as a subsector of the energy sector.

^g Industrial processes refer to the industrial processes and solvent and other product use sectors.

Description of quantified economy-wide emission reduction target: global warming potential values (GWP)^a

Gases	GWP values ^b
CO ₂	4th AR
CH ₄	4th AR
N ₂ O	4th AR
HFCs	4th AR
PFCs	4th AR
SF ₆	4th AR
NF ₃	
Other Gases (specify)	

Abbreviations : GWP = global warming potential

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

b Please specify the reference for the GWP: Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) or the Fourth Assessment Report of the IPCC.

Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector^a

Role of LULUCF	LULUCF in base year level and target	Excluded
	Contribution of LULUCF is calculated using	

Abbreviation : LULUCF = land use, land-use change and forestry.

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention^a

Market-based mechanisms under the Convention	Possible scale of contributions (2) (estimated kt CO ₂ eq)
CERs (3)	
ERUs (4)	
AAUs ⁱ (5)	
Carry-over units ^j (6)	
Other mechanism units under the Convention (specify) ^d (7)	

Abbreviations : AAU = assigned amount unit, CER = certified emission reduction, ERU = emission reduction unit.

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^d As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

ⁱ AAUs issued to or purchased by a Party.

^j Units carried over from the first to the second commitment periods of the Kyoto Protocol, as described in decision 13/CMP.1 and consistent with decision 1/CMP.8.

Description of quantified economy-wide emission reduction target: other market-based mechanisms^a

Other market-based mechanisms	Possible scale of contributions (8)
(Specify)	(estimated kt CO ₂ eq)

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Description of quantified economy-wide emission reduction target: any other information^{a,b}

*Conditional target: In December 2009, the European Council reiterated the conditional offer of the EU to move to a 30% reduction by 2020 compared to 1990 levels as part of a global and comprehensive agreement for the period beyond 2012, provided that other developed countries commit themselves to comparable emission reductions and that developing countries contribute adequately according to their responsibilities and respective capabilities.

*Legally binding target trajectories for the period 2013-2020 are enshrined in both the EU-ETS Directive (Directive 2003/87/EC and respective amendments) and the Effort Sharing Decision (Decision No 406/2009/EC). These legally binding trajectories not only result in a 20% GHG reduction in 2020 compared to 1990 but also define the EU's annual target pathway to reduce EU GHG emissions from 2013 to 2020. The Effort Sharing Decision sets annual national emission targets for all Member States for the period 2013-2020 for those sectors not covered by the EU emissions trading system (ETS), expressed as percentage changes from 2005 levels. In March 2013, the Commission formally adopted the national annual limits throughout the period for each Member State. By 2020, the national targets will collectively deliver a reduction of around 10% in total EU emissions from the sectors covered compared with 2005 levels. The emission reduction to be achieved from the sectors covered by the EU ETS will be 21% below 2005 emission levels.

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

b This information could include information on the domestic legal status of the target or the total assigned amount of emission units for the period for reaching a target. Some of this information is presented in the narrative part of the biennial report.

Custom Footnotes

(1) In principle, the EU ETS should cover CO emissions of all flights arriving at, and departing from, airports in all EU Member States, Norway, Iceland and Liechtenstein and closely related territories. However, since 2012, flights to and from aerodromes from other countries have not been included in the EU ETS. This exclusion was taken in order to facilitate negotiation of a global agreement to address aviation emissions in the forum of the International Civil Aviation Organisation (ICAO). The EU has decided on a reduced scope in the 2013-2016 period (Regulation (EU) No. 421/2004 of the European Parliament and of the Council of 16 April 2014). For the years 2017 to 2023, an agreement has been reached between the European institutions to amend Directive 2003/87/EC extending the intra-community scope of the system established by EU Regulation No. 421/2014. This amendment to Directive 2003/87/EC will be adopted in the first months of 2018.

(2) The Climate and Energy Package allows Certified Emission Reductions (CERs) and Emission Reduction Units (ERUs) to be used for compliance purposes, subject to a number of restrictions. In addition, the legislation foresees the possible recognition of units from new market mechanisms provided that the necessary legal arrangements to create such units are in place. Under the EU ETS the limit is up to 50% of the required reduction below 2005 levels. In the sectors not covered by the ETS, annual use shall not exceed to 3 % of each Member States' non-ETS greenhouse gas emissions in 2005. A limited number of Member States, including Spain, may use an additional 1%, from projects in LDCs or SIDS subject to specific conditions laid down in the Effort Sharing Decision.

(3) The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified in footnote 2 "Possible scale of contributions of market-based mechanisms under the Convention" which do not separate between CERs and ERUs, but include additional criteria for the use of CERs. In the period 2013-2020 ETS operators may exchange CER/ERU by EU allowances, subject to individual quantitative limits and qualitative restrictions. In 2013-2016, Spanish installations and aircraft operators regulated by Spain have exchanged 63 million CER/ERU. This represents around 12% of their total emissions during this period. Most operators have already exhausted their quota. Therefore, the use of CER/ERU from here to 2020 will be reduced compared to previous figures. In non ETS sectors, for the period 2013-2020 Spain, would make use up to 9,52 million CERs and ERUs (7,14 million from the 3% plus 2,38 million from the additional 1%). In any case Spain expects to fulfil its target in non ETS sectors without making use of market mechanisms. This happened under the compliance of the first year of the 2013-2020 period, which was carried out in 2016.

(4) The use of these units under the ETS Directive and the Effort Sharing Decision is subject to the limits specified in footnote 2 "Possible scale of contributions of market-based mechanisms under the Convention" which do not separate between CERs and ERUs, but include additional criteria for the use of CERs. In the period 2013-2020 ETS operators may exchange CER/ERU by EU allowances, subject to individual quantitative limits and qualitative restrictions. In 2013-2016, Spanish installations and aircraft operators regulated by Spain have exchanged 63 million CER/ERU. This represents around 12% of their total emissions during this period. Most operators have already exhausted their quota. Therefore, the use of CER/ERU from here to 2020 will be reduced compared to previous figures. In non ETS sectors, for the period 2013-2020 Spain, would make use up to 9,52 million CERs and ERUs (7,14 million from the 3% plus 2,38 million from the additional 1%). In any case Spain expects to fulfil its target in non ETS sectors without making use of market mechanisms. This happened under the compliance of the first year of the 2013-2020 period, which was carried out in 2016.

(5) Spain as part of the EU expects to achieve its 20% target for the period 2013-2020 with the implementation of the ETS Directive and the ESD Decision in the non-ETS sectors which do not allow the use of AAUs from non-EU Parties.

(6) Upon the expiration of the additional period for fulfilling the commitments for the first commitment period of the Kyoto Protocol (the true-up period) and in accordance with the relevant decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, a number of emission reduction units and certified emission reductions was carried over to the second commitment period. In total 2.171.080 ERUs and 14.742.035 CERs were carried over. These figures include carryover of units from the Spanish Government as well as operators under EU ETS. Additionally, the total quantity of assigned amount units available to Spain for carry-over to the second commitment period is 16.062.657 AAUs. These units will be carried over following the entry into force of entry into force of the Doha Amendment to the Kyoto protocol.

(7) There are general provisions in place in the EU legislation that allow for the use of such units provided that the necessary legal arrangements for the creation of such units have been put in place in the EU which is not the case at the point in time of the provision of this report.

(8) There are general provisions in place in the EU legislation that allow for the use of such units provided that the necessary legal arrangements for the creation of such units have been put in place in the EU which is not the case at the point in time of the provision of this report.

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Ley 22/2011 de Residuos y Suelos contaminados	Waste management/waste	CH4, N2O	Demand management / reduction, Improved treatment technologies, Reduced landfilling, Waste incineration with energy use (Waste)	Other (Information)	Implemented	Legislación básica que emana de la Directiva marco de residuos. En ella se enmarcan los diferentes planes en materia de prevención y gestión de residuos. Se complementa con normativa nacional y regional.	2011	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Local:Entidades Locales, Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Local:Entidades Locales	NE	NE	NE
Plan Estatal de Prevención de Residuos 2014-2020	Waste management/waste	CH4, N2O	Demand management / reduction (Waste)	Planning	Implemented	Reducir la generación de residuos en todos sus ámbitos, a través de 4 líneas estratégicas: reducir la cantidad, reducir la peligrosidad, reutilización, y reducción de impactos ambientales, con todos los agentes implicados.	2014	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Local:Entidades Locales	NE	NE	NE
Estrategia "Más alimento, menos desperdicio"	Waste management/waste	CH4, N2O	Demand management / reduction (Waste)	Other (Planning)	Implemented	Esta estrategia busca la prevención y reducción del desperdicio alimentario a través de un cambio de actitudes, sistemas de trabajo y sistemas de gestión, implicando a todos los agentes de la cadena. Se integra en el Plan Estatal de Prevención de Residuos (medida 2)	2013	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Local:Entidades Locales	NE	NE	NE

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Plan estatal marco de residuos 2016-2022*	Waste management/waste	CH4, N2O	Improved treatment technologies, Reduced landfilling, Waste incineration with energy use (Waste)	Planning	Adopted	Este Plan es continuación del Plan nacional integrado ya expirado. Sus medidas se ajustan a la jerarquía de gestión de residuos. Marca objetivos de reducción de vertido y de incremento de la recogida separada y del reciclado. Es de aplicación a todos los residuos en el ámbito de la ley 22/2011 de Residuos y Suelos contaminados.	2016	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Local:Entidades Locales	NE	NE	NE
Impuesto nacional a los gases fluorados de efecto invernadero: Ley 16/2013, de 29 de octubre, por la que se establecen determinadas medidas en materia de fiscalidad medioambiental y se adoptan otras medidas tributarias y financieras (art 5)*	Industry/industrial processes	PFC, SF6, HFC	Replacement of fluorinated gases by other substances, Reduction of emissions of fluorinated gases (Industrial processes)	Fiscal	Implemented	El artículo 5 de la Ley 16/2013, de 29 de octubre, (BOE de 30 de octubre) crea el Impuesto sobre los gases fluorados de efecto invernadero. El tipo impositivo se basa en el Potencial de Calentamiento Atmosférico de estos gases y grava las recargas de los equipos que los utilizan, permitiendo su recuperación parcial si se acredita la correcta gestión de estos gases al final de la vida útil de los equipos. Durante el ejercicio 2014, el tipo impositivo (20 €/Tonelada CO2) resultante se multiplicaba por el coeficiente 0,33 y para los ejercicios 2015 y 2016 por el coeficiente 0,66. A partir del 01/01/2017 se aplica el tipo impositivo en su totalidad.	2014	Government:Ministerio de Hacienda y Función Pública	6,000.00	9,000.00	11,000.00
Real Decreto 115/2017, de 17 de febrero, por el que se regula la comercialización y manipulación de gases fluorados y equipos basados en los mismos, así como la certificación de los profesionales que los utilizan y por el que se establecen los requisitos técnicos para las instalaciones que desarrollen actividades que emitan gases fluorados	Industry/industrial processes	PFC, SF6, HFC	Reduction of emissions of fluorinated gases (Industrial processes)	Regulatory	Implemented	Deroga al anterior RD 795/2010 y establece los requisitos para la certificación de empresas y profesionales que manipulan gases fluorados de efecto invernadero conforme a los nuevos requerimientos del Rg 517/2014, sobre gases fluorados de efecto invernadero. Asimismo, fija requisitos para instalación de equipos domésticos de refrigeración, aire acondicionado y bombas de calor por instalador certificado y requisitos técnicos a instalaciones industriales que utilizan gases fluorados con objeto de disminuir sus fugas.	2017	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	NE	NE	NE

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Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^g	2030 ^h
Acuerdo voluntario SF6 - sector eléctrico*	Industry/industrial processes	SF6	Reduction of emissions of fluorinated gases (Industrial processes)	Voluntary Agreement	Implemented	Acuerdo voluntario para la reducción de emisiones de SF6 en el sector de la generación y suministro de energía eléctrica. Los compromisos voluntarios abarcan la fabricación de estos equipos, su uso en distribución de energía eléctrica y en la gestión posterior de estos equipos una vez alcanzado su fin de vida útil.	2015	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Compañías / empresas / asociaciones industriales	3.50	14.00	15.00
Plan Estatal de Vivienda y Rehabilitación y Plan estatal de fomento del alquiler, la rehabilitación edificatoria, la regeneración y renovación urbanas (2013-2016)*	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Efficiency improvement of appliances (Energy consumption), Increase in renewable energy (Energy supply)	Other (Economic)	Implemented	Establece las subvenciones para mejora de la envolvente térmica, los sistemas de calefacción, refrigeración y agua caliente sanitaria, instalación de energías renovables y de eficiencia energética de los edificios destinados a vivienda.	2013	Government:Ministerio de Fomento, Regional:Comunidades Autónomas, Local:Entidades locales	33.00	33.00	33.00
Ley 8/2013, de Rehabilitación, regeneración y renovación urbanas	Energy	CO2	Efficiency improvements of buildings (Energy consumption)	Regulatory	Implemented	Modifica la Ley de propiedad horizontal, la Ley del Suelo y la Ley de Ordenación de la edificación, para facilitar la aprobación de proyectos de rehabilitación energética de edificios y regeneración urbana. Se exige la certificación energética de los edificios.	2013	Government:Ministerio de Fomento, Regional:Comunidades Autónomas, Local:Entidades Locales	NE	NE	NE
Código Técnico de la Edificación (CTE)*	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Increase in renewable energy (Energy supply)	Regulatory	Implemented	El CTE es el marco normativo que establece y desarrolla las exigencias básicas de calidad de los edificios y sus instalaciones, y que permiten demostrar que se satisfacen los requisitos básicos de la edificación. En el año 2013 se actualizó el CTE, y se introdujeron mayores exigencias en eficiencia energética e incorporación de energías renovables.	2013	Government:Ministerio de Fomento	312.00	312.00	312.00
Reglamento de las Instalaciones Térmicas de los Edificios (RITE)*	Energy	CO2	Efficiency improvement of appliances (Energy consumption)	Regulatory	Implemented	En el año 2013 se actualiza el RITE a través del RD 238/2013 aumentando las exigencias mínimas en eficiencia energética de las instalaciones térmicas y de climatización en los edificios. Entre otras actuaciones, el titular de la instalación será responsable de que se realice el mantenimiento de la instalación térmica por una empresa mantenedora habilitada.	2013	Government:Ministerio de Energía, Turismo y Agenda Digital, Compañías, empresas y asociaciones industriales	25.00	25.00	25.00

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Certificación Energética de Edificios Nuevos y Existentes: Real Decreto 235/2013, de 5 de abril, por el que se aprueba el procedimiento básico para la certificación de la eficiencia energética de los edificios	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Efficiency improvement of appliances (Energy consumption)	Other (Information)	Implemented	Este instrumento permite cuantificar la situación energética de los edificios y viviendas y su mejora. El promotor o propietario del edificio o de parte del mismo, ya sea de nueva construcción o existente, será el responsable de encargar la realización de la certificación de eficiencia energética del edificio	2013	Government:Ministerio de Fomento, Government:Ministerio de Energía, Turismo y Agenda Digital, Regional:Comunidades Autónomas	NE	NE	NE
Programa de ayudas para la rehabilitación energética de edificios existentes (Programa PAREER-CRECE)*	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Efficiency improvement of appliances (Energy consumption), Increase in renewable energy (Energy supply)	Economic	Implemented	Establece las subvenciones para mejora de la envolvente térmica, instalaciones térmicas y de iluminación, utilización de biomasa y geotermia, mejorando la certificación energética de los edificios	2013	Government:Ministerio de Energía, Turismo y Agenda Digital. Instituto para la Diversificación y el ahorro de la energía y Instituto para la Diversificación y el ahorro de la energía	111.00	111.00	111.00
Planes de Renovación de Instalaciones Turísticas	Energy	CO2	Efficiency improvement in services/ tertiary sector (Energy consumption)	Economic	Implemented	Este Plan busca la renovación y mejora de los establecimientos turísticos bajo criterios de sostenibilidad y eficiencia energética, mejorando la competitividad de los destinos turísticos españoles y ofrecer así un modelo más atractivo y rentable a medio y largo plazo.	2009	Government:Ministerio de Energía, Turismo y Agenda Digital	NE	NE	NE
Fondo Financiero del Estado para la Modernización de las Infraestructuras Turísticas	Energy	CO2	Efficiency improvement in services/ tertiary sector (Energy consumption)	Economic	Implemented	Este fondo tiene como finalidad apoyar financieramente los planes de renovación, modernización y reconversión integral de destinos turísticos maduros que se desarrollen por las administraciones locales y por las empresas turísticas privadas.	2005	Government:Ministerio de Energía, Turismo y Agenda Digital	NE	NE	NE
Rehabilitación de edificios de la Administración General del Estado (AGE)*	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Efficiency improvement of appliances (Energy consumption)	Planning	Implemented	Rehabilitación energética del parque de edificios incluidos en el Inventario Energético de los Edificios de la Administración, contribuyendo a alcanzar el objetivo ejemplarizante establecido en el art 5 la Directiva de Eficiencia Energética	2015	Government:Ministerio de Energía, Turismo y Agenda Digital	NE	NE	NE

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^g	2030 ^h
Real Decreto 1085/2015, de 4 de diciembre, de fomento de los Biocarburantes*	Transport	CO2	Low carbon fuels/electric cars (Transport)	Regulatory	Implemented	Este Real Decreto establece la senda de introducción de biocombustibles en el transporte a 2020 y fija otros requisitos como la necesidad de fijar un objetivo en biocombustibles avanzados conforme a lo que establece la Directiva (UE) 2015/1513	2017	Government:Ministerio de Energía, Turismo y Agenda Digital	4,000.00	4,000.00	4,000.00
Marco de Acción Nacional de Energías Alternativas en el Transporte	Transport	CO2	Low carbon fuels/electric cars (Transport)	Regulatory	Implemented	Establece el marco a nivel nacional para el fomento de los combustibles alternativos en el transporte: gas natural y electricidad para distintos modos de transporte, como la carretera y el modo marítimo. En el caso del coche eléctrico marca un objetivo de 150.000 coches eléctricos a 2020.	2017	Government:Ministerio de Industria, Economía y Competitividad	250.00	250.00	250.00
Plan de Infraestructuras, Transporte y Vivienda (PITVI) 2012 - 2024*	Transport	CO2	Improved behaviour (Transport), Modal shift to public transport or non-motorized transport (Transport), Improved transport infrastructure (Transport)	Regulatory Planning Economic	Implemented	Establece el marco de planificación de las infraestructuras y transportes del país, con los siguientes objetivos: (i) mejorar la eficiencia y competitividad del sistema global del transporte, optimizando la utilización de las capacidades existentes; (ii) contribuir a un desarrollo económico equilibrado, como herramienta al servicio de la superación de la crisis; (iii) promover una movilidad sostenible, compatibilizando sus efectos económicos y sociales con el respeto al medio ambiente; (iv) reforzar la cohesión territorial y la accesibilidad de todos los territorios del Estado a través del sistema de transporte; y (v) favorecer la integración funcional del sistema de transporte en su conjunto mediante un enfoque intermodal.	2012	Government:Ministerio de Fomento, Government:Ministerio de Fomento, Government:Ministerio de Fomento	1,100.00	1,800.00	1,800.00

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									2020	2025 ^f	2030 ^f
Estrategia Logística de España	Transport	CO2	Improved behaviour (Transport), Improved transport infrastructure (Transport)	Regulatory Planning Other	Implemented	Plan para potenciar el papel de España como puerta de entrada, centro de tratamiento y distribución de mercancías intercontinentales para Europa, con los objetivos de: (i) impulsar el sector logístico español; (ii) mejorar la eficiencia y sostenibilidad del sistema de transporte; (iii) desarrollar una red intermodal; y (iv) potenciar el papel de España como 'hub' de mercancías. Para ello define un plan de acción con 18 acciones prioritarias, agrupadas en 3 líneas de actuación: (i) regulación, control y supervisión (2013-2016); (ii) gestión y prestación de servicios (2013-2020); y (iii) actuación inversora (2013-2024).	2013	Government:Ministerio de Fomento	NE	NE	NE
Plan de Inversiones de Accesibilidad Portuaria	Transport	CO2	Improved behaviour (Transport), Improved transport infrastructure (Transport)	Other (Economic)	Implemented	Plan de inversiones en infraestructuras del transporte, básicamente dedicadas al sector ferroviario, para favorecer la conectividad de los puertos y la intermodalidad marítimo-ferroviaria en el sistema de transporte español. Una tercera parte de las inversiones se ejecutarán dentro de las zonas de servicio de los puertos y las restantes fuera de ellas.	2017	Government:Puertos del Estado (Ministerio de Fomento), Government:Administrador de Infraestructuras Ferroviarias (Ministerio de Fomento)	NE	NE	NE
Programa de regulación, control y supervisión	Transport	CO2	Improved behaviour (Transport)	Regulatory	Implemented	Este programa recoge el desarrollo de la función reguladora que, de acuerdo a la normativa nacional e internacional vigente, permita desarrollar y aplicar las políticas establecidas en cada uno de los modos de transporte y establecer un marco normativo técnico-operativo de la prestación de servicios. Así mismo, recoge las líneas estratégicas en supervisión y control, que, cumpliendo con el marco regulador definido, garanticen la validez y la correcta aplicación del mismo, y protejan y refuercen los derechos de los usuarios.	2012	Government:Ministerio de Fomento	NE	NE	NE

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									2020	2025 ^f	2030 ^f
Programa de gestión y prestación de servicios	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport), Improved behaviour (Transport), Improved transport infrastructure (Transport)	Planning	Implemented	Este programa se centra en la mejora de la calidad en la prestación de los servicios y en la eficiencia en la utilización de los recursos y su racionalización (entendido como un mejor aprovechamiento de la red existente y una potenciación de la cadena intermodal o de la opción modal que proporcione mayor beneficio y rendimiento), basándose en los principios de liberalización de mercados y apertura a la competencia, con el fin de estimular la innovación empresarial, el desarrollo de los mercados y la competitividad de las empresas, elementos que reierten en la calidad y sostenibilidad económica de la actividad del transporte.	2012	Government:Ministerio de Fomento	NE	NE	NE
Programa de actuación inversora	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport), Improved behaviour (Transport), Improved transport infrastructure (Transport)	Other (Economic)	Implemented	Este programa recoge el esfuerzo inversor de la Administración General del Estado con el objetivo de avanzar en el reequilibrio y optimización del conjunto del sistema de transporte, manteniendo los estándares de calidad y seguridad de los servicios prestados. Esta planificación de infraestructuras tendrá presente un enfoque intermodal mediante la planificación de corredores de transporte multimodales, que potencien el modo más eficaz en cada corredor generando un trasvase de demanda hacia el mismo. Además, la inversión en nuevos desarrollos y capacidades se centra en completar los grandes ejes estructurantes y los itinerarios de la red, así como el refuerzo de las conexiones intermodales y la dotación de determinadas infraestructuras estratégicas, como las conexiones transfronterizas. También se incluye una evaluación sistemática de las actuaciones para una eficaz priorización y racionalización de las inversiones, incorporando mecanismos de análisis coste-beneficio y previsiones de rentabilidad económica, financiera y social.	2012	Government:Ministerio de Fomento	NE	NE	NE

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									2020	2025 ^g	2030 ^g
Autopistas del Mar*	Transport	CO2	Improved behaviour (Transport), Cambio modal en mercancías de carretera al barco (Transport)	Planning	Implemented	Favorecer el trasvase modal del transporte de mercancías internacional de la carretera hacia el transporte marítimo	2010	Government:Puertos del Estado (Ministerio de Fomento)	25.00	25.00	25.00
Medidas de eficiencia en gestión de los puertos	Transport, Energy	CO2	Efficiency improvement of appliances (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption), Improved transport infrastructure (Transport)	Voluntary Agreement	Implemented	Definir medidas para uso eficiente de los recursos en los puertos (optimizar el servicio general de alumbrado público en el dominio público portuario)	2016	Government:Puertos del Estado (Ministerio de Fomento)	NE	NE	NE
Suministro de gas natural licuado (GNL) en puertos	Transport	CO2	Low carbon fuels/electric cars (Transport)	Regulatory Research Economic Planning	Implemented	Impulso del uso del GNL en el transporte marítimo, mediante la implantación de infraestructura de suministro de dicho combustible en los puertos, Las medidas incluyen, además de la infraestructura de suministro: (i) bonificación de las tasas portuarias; (ii) programas de formación; (iii) normalización de procedimientos; (iv) avales, ayudas de I+D+i y facilidades crediticias para la construcción y transformación de buques; y (v) revisión de los peajes de recarga de GNL desde el sistema gasista.	2016	Government:Puertos del Estado (Ministerio de Fomento), Companies:Empresas de los sectores gasista y del transporte	NE	NE	NE
Suministro de electricidad a buques en atraque en puertos	Transport	CO2	Low carbon fuels/electric cars (Transport)	Economic Research Other	Implemented	Impulso del uso de la electricidad mediante la instalación de una conexión a la red eléctrica terrestre para su uso por los buques atracados en los puertos, Las medidas incluyen, además de la infraestructura de suministro: (i) bonificación de las tasas portuarias; (ii) normalización de procedimientos; y (iii) avales, ayudas de I+D+i y facilidades crediticias para la adaptación de los buques.	2016	Government:Puertos del Estado (Ministerio de Fomento), Companies:Operadores de transporte	NE	NE	NE

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									2020	2025 ^g	2030 ^h
Plan de Sostenibilidad Energética 2011-2020 de RENFE	Transport, Energy	CO2	Improved behaviour (Transport), Efficiency improvements of vehicles (Transport), Demand management/reduction (Energy consumption)	Regulatory Planning Information Other	Implemented	Measures to reduce energy efficiency and productivity in a cost driver rising up to 10% of the total operative cost at RENFE-Operadora. These costs might represent more than 20% depending on the business activity. Second goal is to answer legal requirements and voluntary commitments signed and followed by the company, in addition, inside a liberalised operational frame, energy efficiency will serve to increase competitiveness in terms of sustainability (including economic balance) compared to competitive rail companies and alternative transport modes.	2011	Government:RENFE (Ministerio de Fomento)	100.00	100.00	100.00
Plan de Eficiencia Energética 2015-2025 RENFE Viajeros	Transport, Energy	CO2	Efficiency improvement in services/ tertiary sector (Energy consumption), Efficiency improvements of vehicles (Transport), Improved behaviour (Transport)	Regulatory Planning Other	Implemented	Plan de eficiencia energética para la división de pasajeros de la Operadora RENFE que incluye una batería de medidas para reducir el consumo de energía y los costes, alineados con el "Plan de Sostenibilidad Energética de RENFE 2011-2020" apoyado por la dirección de RENFE.	2015	Government:RENFE Viajeros (Ministerio de Fomento)	85.00	85.00	85.00
Licitación de concesiones de transporte regular de viajeros por carretera competencia del Estado	Transport	CO2	Efficiency improvements of vehicles (Transport)	Regulatory	Implemented	Los pliegos para las concesiones que otorgue el Ministerio de Fomento establecen requisitos mínimos de eficiencia energética y emisión de contaminantes para los vehículos de la flota de las empresas de transporte de viajeros.	2014	Government:Dirección General de Transporte Terrestre (Ministerio de Fomento)	NE	NE	NE
Renovación de flotas de vehículos pesados para el transporte de mercancías y viajeros, y de tractores agrícolas*	Transport	CO2	Efficiency improvements of vehicles (Transport)	Economic	Implemented	Sistema de crédito, articulado por el Banco Europeo de Inversiones y gestionado a través de bancos comerciales copartícipes, para financiar la sustitución de los vehículos pesados que las Pequeñas y Medianas Empresas y las Empresas de Media Capitalización Autónomas (aquellas con menos de 3.000 empleados) utilicen en el desarrollo normal de su actividad.	2016	Companies:Banco Europeo de Inversiones y entidades bancarias colaboradoras, Companies:Empresas de transporte de mercancías y viajeros, y empresas agrarias	NE	NE	NE

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									2020	2025 ^g	2030 ^g
Incorporación progresiva de energías renovables en aeropuertos	Transport, Energy	CO2	Increase in renewable energy (Energy supply), Efficiency improvement in services/ tertiary sector (Energy consumption)	Other	Implemented	Implantación progresiva de tecnologías basadas en energías renovables (eólica, solar y geotérmica) en infraestructuras aeroportuarias de AENA (entidad pública empresarial Aeropuertos Españoles y Navegación Aérea).	2000	Government:AENA (Ministerio de Fomento)	NE	NE	NE
Acuerdo Marco para el proyecto, suministro y/o instalación de sistemas de iluminación eficientes energéticamente	Energy	CO2	Efficiency improvement of appliances (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption)	Other	Implemented	Mejoras en la eficiencia de los sistemas de iluminación de los aeropuertos.	2015	Government:AENA (Ministerio de Fomento)	NE	NE	NE
Incorporación de criterios que fomenten el uso de equipos de asistencia en tierra menos contaminantes	Transport	CO2	Low carbon fuels/electric cars (Transport)	Other	Implemented	Inclusión de cláusulas relativas al empleo de vehículos y maquinaria menos contaminante en la renovación de los pliegos de concursos de agentes de 'handling'.	2015	Companies:Ground handling agents	NE	NE	NE
Optimización de los movimientos de rodaje de las aeronaves	Transport	CO2	Improved behaviour (Transport)	Voluntary Agreement	Implemented	Minimización de los tiempos y recorridos de una aeronave desde el puesto de estacionamiento hasta la pista de despegue, implicando reducción del consumo de combustible y emisiones. Bajo el concepto de 'cielo único europeo' se están promoviendo acuerdos A-CDM (Airport Collaborative Decision Making) entre los aeropuertos, control aéreo y compañías aéreas para compartir información en tiempo real, que permita disminuir los tiempos de rodaje.	2014	Government:AENA y Enaire (Ministerio de Fomento), Companies:Airlines & ground handling agents	NE	NE	NE
Suministro de electricidad a 400 Hz a las aeronaves en los aeropuertos	Transport	CO2	Low carbon fuels/electric cars (Transport)	Planning	Implemented	Impulso del uso de la electricidad mediante instalaciones de suministro eléctrico a 400 Hz en tierra para aeronaves estacionadas, como alternativa al uso de las unidades de energía auxiliar.	2016	Government:AENA (Ministerio de Fomento)	NE	NE	NE

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									2020	2025 ^g	2030 ^h
Acreditación de huella de carbono en los aeropuertos	Transport	CO2	Efficiency improvement of appliances (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption), Increase in renewable energy (Energy supply), Switch to less carbon-intensive fuels (Energy supply)	Other	Implemented	Obtención y renovación de la acreditación de carbono en varios aeropuertos (Airport Carbon Accreditation). Demostrar evidencias de la implantación de acciones dirigidas y definición de objetivos específicos para la reducción del consumo energético y emisiones de GEI (huella de carbono).	2011	Government:AENA (Ministerio de Fomento)	NE	NE	NE
Plan Director de Ahorro y Eficiencia Energética 2014-2020 del Administrador de Infraestructuras Ferroviarias (ADIF)	Transport, Energy	CO2	Improved transport infrastructure (Transport), Efficiency improvement in services/ tertiary sector (Energy consumption), Demand management/reduction (Energy consumption)	Regulatory Planning Other	Implemented	Medidas de ahorro energético y mejora de la eficiencia energética mediante: (i) tecnologías más eficientes; (ii) mecanismos de control de los consumos energéticos; (iii) modificación de los usos de la energía, eliminando los no productivos; (iv) introducción de soluciones y elementos constructivos que contribuyan a reducir las pérdidas energéticas; (v) uso de soluciones y principios bioclimáticos al para obtener energía y/o como fuente de iluminación y calor; y (vi) obtención de energía de fuentes renovables.	2014	Government:Administrador de Infraestructuras Ferroviarias (ADIF) (Ministerio de Fomento)	NE	NE	NE
Plan Director de Ahorro y Eficiencia Energética 2014-2020 del Administrador de Infraestructuras Ferroviarias (ADIF) Alta velocidad	Transport, Energy	CO2	Efficiency improvements of vehicles (Transport), Improved behaviour (Transport), Efficiency improvement in services/ tertiary sector (Energy consumption), Demand management/reduction (Energy consumption)	Regulatory Planning Other	Implemented	Medidas de ahorro energético y mejora de la eficiencia energética mediante: (i) tecnologías más eficientes; (ii) mecanismos de control de los consumos energéticos; (iii) modificación de los usos de la energía, eliminando los no productivos; (iv) introducción de soluciones y elementos constructivos que contribuyan a reducir las pérdidas energéticas; y (v) uso de soluciones y principios bioclimáticos al para obtener energía y/o como fuente de iluminación y calor.	2014	Government:ADIF Alta velocidad (Ministerio de Fomento)	NE	NE	NE

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									2020	2025 ^f	2030 ^f
Modificación del Reglamento General de Circulación (en tramitación)	Transport	CO2	Improved behaviour (Transport)	Regulatory	Planned	Modifica los límites generales de velocidad establecidos a los vehículos en los distintos tipos de carreteras. Así en carreteras convencionales y ciudad disminuyen y en autopistas y autovías se pueden incrementar bajo determinadas circunstancias. Asimismo, define directrices para regular el uso de la bicicleta.	2017	Government:Ministerio del Interior	NE	NE	NE
Conducción eficiente: Orden INT/2229/2013, de 25 de noviembre por la que se regula el acceso a los permisos de circulación*	Transport	CO2	Improved behaviour (Transport)	Education	Implemented	Se modifica la Orden de manera que se establece la obligación de que los cursos para la obtención de permisos de conducción incluyan una parte de conducción eficiente.	2014	Government:Ministerio del Interior	105.00	180.00	250.00
Catalogación del parque de vehículos en función del nivel de emisiones	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport)	Regulatory	Implemented	Se trata de catalogar el parque de vehículos de España en función de su nivel de emisiones (normativa EURO). Se ha remitido un distintivo a cada vehículo para que sea colocado en el mismo de manera que se pueda identificar fácilmente la categoría de los vehículos. El objetivo es que a nivel municipal, los ayuntamientos puedan desarrollar políticas medioambientales en base a esta catalogación del parque de vehículos.	2015	Government:Ministerio de Interior (Dirección General de Tráfico), Local:Ayuntamientos	NE	NE	NE
Cursos de conducción eficiente en el transporte por carretera	Transport	CO2	Improved behaviour (Transport)	Education	Implemented	Impartición de cursos entre conductores (profesionales de vehículos industriales) sobre conducción eficiente en el transporte por carretera . Se van a financiar a través del Fondo de Eficiencia energética	2015	Government:Instituto para la Diversificación y el ahorro de la energía	175.00	175.00	175.00
Ayudas para la implantación de sistemas de gestión de flotas de vehículos*	Transport	CO2	Improved behaviour (Transport), Support to technology implementation	Economic	Implemented	Ayudas a empresas de logística para implantación de sistemas eficientes de gestión de flotas de vehículos. Se van a financiar a través del Fondo de Eficiencia energética	2015	Government:Instituto para la Diversificación y el ahorro de la energía	17.50	17.50	17.50

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									2020	2025 ^g	2030 ^h
Ayudas para la financiación de planes de movilidad urbana y planes de movilidad empresarial*	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport)	Economic	Implemented	Ayudas a municipios para el desarrollo de planes de movilidad urbana. El programa operativo de los fondos comunitarios de la AGE prevé una ayuda de 49,65 Millones de euros para promocionar la movilidad urbana sostenible. El fondo de Eficiencia Energética también incluye una partida para financiar planes de movilidad	2014	Government:Instituto para la Diversificación y el ahorro de la energía	30.00	30.00	30.00
Estrategia Integral para el Impulso del Vehículo Eléctrico en España y PLANES MOVELE, y PLANES MOVEA (desde 2016) dirigidos a promover tecnologías alternativas.*	Transport	CO2	Low carbon fuels/electric cars (Transport)	Economic Regulatory Planning	Implemented	Medidas para favorecer la penetración del vehículo eléctrico e incentivos a la compra de vehículos eléctricos y creación de infraestructuras de recarga. En el marco de esta estrategia se ha desarrollado diversas normas legislativas en España. Por su parte los planes MOVELE conceden ayudas a la compra de vehículos eléctricos (de hasta 6000 euros en el caso de vehículos turismos). Al Plan MOVELE le ha dado continuidad el Plan MOVEA dirigido a promocionar la penetración de vehículos alternativos (GLP, GN, eléctrico y pila de combustible).	2010	Government:Instituto para la Diversificación y el ahorro de la energía. A partir del año 2016, los planes MOVEA son gestionados por la Secretaría General de Industria.	333.00	333.00	210.00
Programa de Incentivos al Vehículo Eficiente PLANES PIVE (PIVE I, II, III, IV, V, VI, VII y VIII)*	Transport	CO2	Efficiency improvements of vehicles (Transport)	Economic	Implemented	Ayudas para la adquisición de vehículos ligeros nuevos y eficientes y achatarramiento de vehículos viejos. Se han puesto en marcha ocho Planes.	2012	Government:Instituto para la Diversificación y el ahorro de la energía	250.00	0.00	0.00
Fomento de los planes de movilidad urbana: Ley de Presupuestos 2014.	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport)	Economic	Implemented	Se introduce la obligación, para las entidades locales de más de 50000 habitantes, de que tengan aprobado un plan de movilidad, de cara a recibir subvenciones de los Presupuestos Generales del Estado para financiación del transporte colectivo de viajeros (Ayuda a la implementación de otras medidas de trasvase modal)	2014	Government:Ministerio de Hacienda y Función Pública	NE	NE	NE

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									2020	2025 ^g	2030 ^h
Fomento transporte colectivo de los empleados: Real Decreto-ley 6/2010, de 9 de abril, de medidas para el impulso de la recuperación económica y el empleo. - Vale transporte*	Transport	CO2	Modal shift to public transport or non-motorized transport (Transport)	Fiscal	Implemented	El Real Decreto Ley establece una desgravación del Impuesto de la Renta de Personas Físicas por pagos a trabajadores para uso de medios de transporte colectivo. Se denomina Vale transporte	2010	Government:Ministerio de Hacienda y Función Pública	9.00	14.00	20.00
Impuesto de matriculación: Ley 34/2007, de 15 de noviembre, de calidad del aire y protección de la atmósfera	Transport	CO2	Efficiency improvements of vehicles (Transport)	Fiscal	Implemented	Establece que el impuesto se grave en función del nivel de emisiones de CO2 de los vehículos. Se trabaja actualmente para actualizarlo conforme a los niveles actuales de emisiones de CO2 de los vehículos nuevos.	2008	Government:Ministerio de Hacienda y Función Pública	NE	NE	NE
Conducción eficiente de tractores*	Transport, Energy	CO2	Improved behaviour (Transport), Demand management/reduction (Transport)	Education	Implemented	Cursos de formación para fomentar la reducción de emisiones derivadas de la conducción de tractores	2014	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	0.45	0.45	0.45
Greening o Pago Verde	Agriculture, Forestry/LULUCF	CO2, CH4, N2O	Mejora de la biodiversidad, captura de carbono.	Other (Regulatory)	Implemented	Se trata de un pago para prácticas agrícolas beneficiosas para el clima y el medio ambiente, cuyo objetivo es la mejora del comportamiento medioambiental de la Política Agraria Común (PAC), a través de un componente de ecologización obligatorio de los pagos directos que apoye dichas prácticas. Se encuentra regulado por el Reglamento 1307/2013 por el que se establecen normas aplicables a los pagos directos a los agricultores en virtud de los regímenes de ayuda incluidos en el marco de la PAC. A nivel nacional está regulado en el Real Decreto 1075/2014, de 19 de diciembre de 2014, sobre la aplicación a partir de 2015 de los pagos directos a la agricultura y a la ganadería y otros regímenes de ayuda, así como sobre la gestión y control de los pagos directos y de los pagos al desarrollo rural.	2015	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^g	2030 ^g
Plan de Reducción del Uso de Fertilizantes Nitrogenados*	Energy, Agriculture	N2O	Reduction of fertilizer/manure use on cropland (Agriculture), Demand management/reduction (Energy consumption)	Other (Planning)	Implemented	El Plan de Reducción del Uso de Fertilizantes Nitrogenados tiene como objetivo la racionalización de la fertilización en España que supondría la reducción del uso de los fertilizantes nitrogenados y, por tanto, la reducción de las emisiones, ya sea durante su fabricación (abonos de síntesis) o tras su aplicación a suelos agrícolas. Las medidas diseñadas dentro de este Plan consisten en el fomento de nuevos tipos de abonos aplicables en la fertirrigación, formación e información para la racionalización de la fertilización, la caracterización de nuevos equipos y seguimiento de abonadoras en uso y apoyo a la introducción de equipos de aplicación de fertilizantes.	2007	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	6.00	6.00	6.00
Estrategia para el apoyo a la producción ecológica	Agriculture	N2O, CO2	Activities improving cropland management	Planning	Implemented	Da continuidad al anterior Plan Estratégico para la producción ecológica (2007-2010). Actualmente la producción ecológica puede considerarse un sector prioritario dentro de las políticas agrarias por lo que toma en consideración especial la puesta en práctica de cualquier medida de fomento que pueda contribuir a su desarrollo. Corresponde al Ministerio la coordinación de autoridades competentes y autoridades de control, la representación internacional, y la autorización de importaciones de países terceros que no puedan acogerse al régimen de equivalencia. De las comunidades autónomas dependen las autoridades competentes y las entidades encargadas de control.	2014	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Iniciativa 4 por mil para el aumento del carbono orgánico del suelo y la seguridad alimentaria	Forestry/LULUCF	CO2	Restoration of degraded lands (LULUCF), Incremento del carbono orgánico del suelo	Planning	Planned	Se trata de una iniciativa lanzada en la COP21, en el marco de la "Agenda de Acción Lima-París", a la que España se adhirió el 1 de diciembre de 2015. El objetivo de la iniciativa es aumentar el contenido de carbono orgánico de los suelos de manera que éstos se conviertan en sumideros de carbono, mitiguen el cambio climático, mejoren su resiliencia y por tanto la adaptación a los escenarios futuros de cambio climático.	2017	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	NE	NE	NE
Programa Nacional de Desarrollo Rural (PNDR) 2014-2020*	Forestry/LULUCF	CO2, CH4, N2O	Afforestation and reforestation (LULUCF), Conservation of carbon in existing forests (LULUCF), Prevention of deforestation (LULUCF), Strengthening protection against natural disturbances (LULUCF), Restoration of degraded lands (LULUCF)	Other (Economic)	Implemented	Se trata de la puesta en marcha por la Administración General de Estado de una serie de medidas en el ámbito de sus competencias, de carácter supraautonómico o de las que se declaren de interés general, como aplicación del Reglamento 1305/2013 FEADER. No se consideran, por tanto, las medidas de mitigación que incluyan los Programas de Desarrollo Rural elaborados por las Comunidades Autónomas. En el caso del PNDR se refiere a la medida 8 (M8.3 prevención y M8.4 restauración tras grandes incendios) y a la submedida M15.2 (conservación de recursos genéticos forestales)	2015	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Programas de Desarrollo Rural por Comunidades Autónomas 2014-2020*	Agriculture, Forestry/LULUCF	CO2, CH4, N2O	Reduction of fertilizer/manure use on cropland (Agriculture), Improved livestock management (Agriculture), Improved animal waste management systems (Agriculture), Activities improving grazing land or grassland management (Agriculture), Improved management of organic soils (Agriculture), Afforestation and reforestation (LULUCF), Conservation of carbon in existing forests (LULUCF), Enhancing production in existing forests (LULUCF), Increasing the harvested wood products pool (LULUCF). Enhanced	Other (Economic)	Implemented	Las regiones (CCCAA) seleccionan, en función de sus características intrínsecas, aquellas medidas de mitigación en los sectores agrícola y forestal que más se ajustan a sus necesidades. Dichos programas de desarrollo rural se aprobaron por parte de la Comisión Europea en 2015, y están actualmente en fase de ejecución.	2014	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	1,000.00	1,000.00	1,000.00
Restauración de la cubierta forestal y ampliación de la superficie arbolada	Forestry/LULUCF	CO2	Afforestation and reforestation (LULUCF)	Other (Planning)	Implemented	Realización de forestaciones y reforestaciones bajo diversos programas	1990	Regional:Comunidades Autónomas	NE	NE	NE
Gestión forestal sostenible*	Forestry/LULUCF	CO2, CH4, N2O	Enhanced forest management (LULUCF), Strengthening protection against natural disturbances (LULUCF)	Other (Planning)	Implemented	Gestión forestal sostenible en sentido amplio, incluyendo ordenaciones, tratamientos selvícolas, prevención y extinción de incendios, defensa del monte, ordenación cinegética etc. Esta gestión permite la conservación de carbono en los bosques existentes y la mejora de su producción junto con el incremento de las reservas de carbono por productos de madera	1990	Regional:Comunidades Autónomas	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^g	2030 ^g
Registro de huella de carbono, compensación y proyectos de absorción de CO ₂ (Real Decreto 163/2014)*	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, PFC, HFC, SF ₆ , NF ₃	Multi-sectoral policy (Cross-cutting)	Other (Voluntary Agreement)	Implemented	Mediante la creación de un Registro a nivel nacional, se busca fomentar el cálculo de huella de carbono por las organizaciones españolas, incidiendo en su reducción. De igual manera se fomenta el incremento de la capacidad sumidero de España mediante la posibilidad de que las organizaciones compensen su huella con absorciones que han tenido lugar en España y que a su vez están inscritas en el Registro.	2014	Government: Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	NE	NE	NE
Proyectos clima: compra de reducciones verificadas de emisiones*	Cross-cutting	CO ₂ , CH ₄ , N ₂ O, HFC, PFC, SF ₆ , NF ₃	Multi-sectoral policy (Cross-cutting)	Economic	Implemented	Mediante convocatorias anuales se busca fomentar las reducciones de emisiones de gases de efecto invernadero en los sectores difusos, a través de la compra de reducciones verificadas de proyectos puestos en marcha en territorio nacional. Estas reducciones son adquiridas por el Fondo Español para una Economía Sostenible FES-CO ₂ .	2012	Government: Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	1,995.00	2,070.00	2,070.00
Implementación del régimen europeo de comercio de derechos de emisión	Energy, Industry/industrial processes	CO ₂ , N ₂ O, PFC	Switch to less carbon-intensive fuels (Energy supply), Efficiency improvement in the energy and transformation sector (Energy supply), Installation of abatement technologies (Industrial processes), Efficiency improvement in industrial end-use sectors (Energy consumption)	Other (Regulatory)	Implemented	El Régimen Europeo de Comercio de derechos de emisión es un instrumento de mercado de escala europea que tiene por objetivo lograr la reducción de las emisiones de gases de efecto invernadero de los sectores energético e industrial. El objetivo medioambiental del régimen viene determinado a través del techo de asignación, que constituye el número máximo de derechos de emisión que se ponen en circulación y, por tanto, limita la cantidad máxima de emisiones de gases de efecto invernadero de los sectores regulados a la atmósfera. En la 3ª Fase del régimen se ha definido el techo de asignación para el año 2013 contemplándose una reducción lineal del 1,74% anual que permite alcanzar el objetivo de reducción del 21% respecto a los niveles de 2005 en 2020.	2005	Government: Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Plan de Acción de Ahorro y Eficiencia 2014-2020*	Cross-cutting	CO2	Multi-sectoral policy (Cross-cutting)	Planning	Implemented	El plan presenta un conjunto de medidas y actuaciones con el objetivo de lograr ahorro de energía final para el periodo comprendido entre 1 de enero de 2014 y 31 de diciembre de 2020, en cumplimiento del artículo 7.1 de la Directiva de Eficiencia Energética	2014	Government:Ministerio de Energía, Turismo y Agenda Digital	NE	NE	NE
Plan de Energías Renovables (PER) 2011-2020*	Cross-cutting	CO2	Multi-sectoral policy (Cross-cutting)	Planning	Implemented	El PER 2011-2020 incluye un paquete de más de 80 medidas, medidas horizontales y el resto sectoriales, con el objetivo un consumo de energías renovables del 20,8% sobre el consumo de energía final bruto, así como un consumo final de las mismas del 11,3% sobre el consumo de energía en el transporte	2011	Government:Ministerio de Energía, Turismo y Agenda Digital, Regional:Comunidades autónomas	NE	NE	NE
Planificación de los Sectores de Electricidad y Gas 2014-2020*	Energy	CO2	Efficiency improvement in the energy and transformation sector (Energy supply), Increase in renewable energy (Energy supply), Switch to less carbon-intensive fuels (Energy supply), Efficiency improvements of buildings (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption), Efficiency improvement of appliances (Energy consumption), Efficiency improvement in industrial end-use sectors (Energy consumption)	Planning	Implemented	Transformación del sistema energético español de cara al cumplimiento de los objetivos a 2020 en materia de eficiencia energética, energías renovables y medio ambiente. La planificación es actualmente en su mayor parte indicativa.	2014	Government:Ministerio de Energía, Turismo y Agenda Digital	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^g	2030 ^h
Programas operativos de las Comunidades Autónomas*	Cross-cutting	CO2, CH4, N2O, HFC	Multi-sectoral policy (Cross-cutting)	Economic	Implemented	Los trabajos de programación de la Política de Cohesión 2014-2020 contemplan la elaboración de distintos documentos estratégicos entre los que se encuentran los Programas operativos regionales. En estos se incluyen medidas de mitigación del cambio climático, especialmente en el Objetivo temático 4 "Favorecer el paso a una economía baja en carbono en todos los sectores"	2014	Regional:Comunidades Autónomas	461.00	461.00	461.00
Programa operativo de crecimiento sostenible 2014-2020*	Cross-cutting	CO2	Multi-sectoral policy (Cross-cutting)	Economic	Implemented	El Programa operativo de crecimiento sostenible fue aprobado en julio de 2015 y se enmarca dentro de los Programas operativos pluriregionales del Fondo Europeo de Desarrollo Regional (FEDER). De los cuatro ejes prioritarios que lo integran, destacan las medidas a desarrollar en Economía baja en Carbono, Desarrollo urbano integrado y sostenible y Transporte sostenible.	2015	Government:Ministerio de Hacienda y Función Pública	1,020.00	1,020.00	1,020.00
Programa operativo marítimo y de la pesca	Energy	CO2	Efficiency improvements of buildings (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption)	Economic	Implemented	El programa español cofinanciado por el Fondo Europeo Marítimo y de la Pesca (FEMP) para el período 2014-2020 incorpora 6 prioridades y 17 objetivos específicos. Algunas de las medidas contempladas en él tienen un impacto en la reducción de emisiones de gases de efecto invernadero.	2014	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	129.00	129.00	129.00
Ley 15/2013, Prevención y Control Integrados de la Contaminación*	Industry/industrial processes	CO2, CH4, N2O, PFC, HFC, NF3, SF6	Installation of abatement technologies (Industrial processes)	Regulatory	Implemented	Define la autorización ambiental integrada que fija condiciones para todos los aspectos ambientales de una actividad industrial	2003	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas	NE	NE	NE

Table 3

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Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq) ^f		
									2020	2025 ^f	2030 ^f
Planes de impulso al medio ambiente (PIMA) *	Waste management/waste, Transport, Energy	CH4, N2O, CO2	Enhanced recycling (Waste), Improved treatment technologies (Waste), Enhanced CH4 collection and use (Waste), Efficiency improvements of vehicles (Transport), Demand management/reduction (Energy consumption), Efficiency improvement in services/ tertiary sector (Energy consumption)	Economic	Implemented	Los planes desarrollados bajo este marco buscan incentivar la reducción de emisiones de gases de efecto invernadero en distintos sectores, a través de ayudas económicas o a la compra de las reducciones verificadas por el Fondo de carbono para una economía sostenible (FES-CO2). Ha habido 5 Planes en el ámbito de la mitigación y uno en adaptación. Los sectores objetivo han sido la gestión de residuos, el sector transporte y el sector hotelero. Se está trabajando en la puesta en marcha de nuevos planes o en la continuidad de los existentes.	2015	Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Regional:Comunidades Autónomas, Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente, Government:Ministerio de Agricultura y Pesca, Alimentación y Medio Ambiente	558.00	556.00	556.00

Note : The two final columns specify the year identified by the Party for estimating impacts (based on the status of the measure and whether an ex post or ex ante estimation is available)

Abbreviations : GHG = greenhouse gas; LULUCF = land use, land-use change and forestry.

^a Parties should use an asterisk (*) to indicate that a mitigation action is included in the 'with measures' projection.

^b To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors, cross-cutting, as appropriate.

^c To the extent possible, the following types of instrument should be used: economic, fiscal, voluntary agreement, regulatory, information, education, research, other.

^d To the extent possible, the following descriptive terms should be used to report on the status of implementation: implemented, adopted, planned.

^e Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

^f Optional year or years deemed relevant by the Party.

Custom Footnotes

Table 4

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Reporting on progress^{a, b}

Year ^c	Total emissions excluding LULUCF	Contribution from LULUCF ^d	Quantity of units from market based mechanisms under the Convention		Quantity of units from other market based mechanisms	
	(kt CO ₂ eq)	(kt CO ₂ eq)	(number of units)	(kt CO ₂ eq)	(number of units)	(kt CO ₂ eq)
Base year/period (1990)	287,828.14					
2010	356,761.43					
2011	356,950.74					
2012	351,817.37					
2013	322,873.54					
2014	324,214.82					
2015	335,661.52					
2016						

Abbreviation : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

b For the base year, information reported on the emission reduction target shall include the following: (a) total GHG emissions, excluding emissions and removals from the LULUCF sector; (b) emissions and/or removals from the LULUCF sector based on the accounting approach applied taking into consideration any relevant decisions of the Conference of the Parties and the activities and/or land that will be accounted for; (c) total GHG emissions, including emissions and removals from the LULUCF sector. For each reported year, information reported on progress made towards the emission reduction targets shall include, in addition to the information noted in paragraphs 9(a–c) of the UNFCCC biennial reporting guidelines for developed country Parties, information on the use of units from market-based mechanisms.

^c Parties may add additional rows for years other than those specified below.

d Information in this column should be consistent with the information reported in table 4(a)I or 4(a)II, as appropriate. The Parties for which all relevant information on the LULUCF contribution is reported in table 1 of this common tabular format can refer to table 1.

Custom Footnotes

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2014 ^{a,b}

	Net GHG emissions/removals from LULUCF categories ^c	Base year/period or reference level value ^d	Contribution from LULUCF for reported year	Cumulative contribution from LULUCF ^e	Accounting approach ^f
	(kt CO ₂ e _q)				
Total LULUCF	NA	NA	NA	NA	NA
A. Forest land	NA	NA	NA	NA	NA
1. Forest land remaining forest land	NA	NA	NA	NA	NA
2. Land converted to forest land	NA	NA	NA	NA	NA
3. Other ^g					
B. Cropland	NA	NA	NA	NA	NA
1. Cropland remaining cropland	NA	NA	NA	NA	NA
2. Land converted to cropland	NA	NA	NA	NA	NA
3. Other ^g					
C. Grassland	NA	NA	NA	NA	NA
1. Grassland remaining grassland	NA	NA	NA	NA	NA
2. Land converted to grassland	NA	NA	NA	NA	NA
3. Other ^g					
D. Wetlands	NA	NA	NA	NA	NA
1. Wetland remaining wetland	NA	NA	NA	NA	NA
2. Land converted to wetland	NA	NA	NA	NA	NA
3. Other ^g					
E. Settlements	NA	NA	NA	NA	NA
1. Settlements remaining settlements	NA	NA	NA	NA	NA
2. Land converted to settlements	NA	NA	NA	NA	NA
3. Other ^g					
F. Other land	NA	NA	NA	NA	NA
1. Other land remaining other land	NA	NA	NA	NA	NA
2. Land converted to other land	NA	NA	NA	NA	NA
3. Other ^g					
G. Other	NA	NA	NA	NA	NA
Harvested wood products	NA	NA	NA	NA	NA

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2015^{a, b}

	Net GHG emissions/removals from LULUCF categories ^c	Base year/period or reference level value ^d	Contribution from LULUCF for reported year	Cumulative contribution from LULUCF ^e	Accounting approach ^f
	(kt CO ₂ eq)				
Total LULUCF	NA	NA	NA	NA	
A. Forest land	NA	NA	NA	NA	
1. Forest land remaining forest land	NA	NA	NA	NA	
2. Land converted to forest land	NA	NA	NA	NA	
3. Other ^g					
B. Cropland	NA	NA	NA	NA	
1. Cropland remaining cropland	NA	NA	NA	NA	
2. Land converted to cropland	NA	NA	NA	NA	
3. Other ^g					
C. Grassland	NA	NA	NA	NA	
1. Grassland remaining grassland	NA	NA	NA	NA	
2. Land converted to grassland	NA	NA	NA	NA	
3. Other ^g					
D. Wetlands	NA	NA	NA	NA	
1. Wetland remaining wetland	NA	NA	NA	NA	
2. Land converted to wetland	NA	NA	NA	NA	
3. Other ^g					
E. Settlements	NA	NA	NA	NA	
1. Settlements remaining settlements	NA	NA	NA	NA	
2. Land converted to settlements	NA	NA	NA	NA	
3. Other ^g					
F. Other land	NA	NA	NA	NA	
1. Other land remaining other land	NA	NA	NA	NA	
2. Land converted to other land	NA	NA	NA	NA	
3. Other ^g					
G. Other	NA	NA	NA	NA	
Harvested wood products	NA	NA	NA	NA	

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category "other". Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Progress in achievement of the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the counting of emissions and removals from the land use, land-use change and forestry sector in relation to activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, a, b, c

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year ^d	Net emissions/removals ^e				Accounting parameters ^g	Accounting quantity ^h
		2013	2014	2015	Total ^f		
(kt CO ₂ eq)							
A. Article 3.3 activities							
A.1. Afforestation/reforestation							
Excluded emissions from natural disturbances(5)							
Excluded subsequent removals from land subject to natural disturbances(6)							
A.2. Deforestation							
B. Article 3.4 activities							
B.1. Forest management							
Net emissions/removals							
Excluded emissions from natural disturbances(5)							
Excluded subsequent removals from land subject to natural disturbances(6)							
Any debits from newly established forest (CEF-ne)(7),(8)							
Forest management reference level (FMRL)(9)							
Technical corrections to FMRL(10)							
Forest management cap ^l							
B.2. Cropland management (if elected)							
B.3. Grazing land management (if elected)							
B.4. Revegetation (if elected)							
B.5. Wetland drainage and rewetting (if elected)							

Note: 1 kt CO₂ eq equals 1 Gg CO₂ eq.

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.

^c Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the

^d Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

^e All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

^f Additional columns for relevant years should be added, if applicable.

^g Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

^h The values in the cells "3.3 offset" and "Forest management cap" are absolute values.

ⁱ The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7, paragraph 4, of the Kyoto Protocol.

^j In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following afforestation and reforestation since 1990 shall not be greater than the credits accounted for on that unit of land.

^k In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 5.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

^l In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

Custom Footnotes

Documentation Box:

Not applicable.

Reporting on progress^{a, b, c}

Units of market based mechanisms			Year	
			2015	2016
Kyoto Protocol units ^d	Kyoto Protocol units	(number of units)	0	0
		(kt CO ₂ eq)	0.00	0.00
	AAUs	(number of units)	0	0
		(kt CO ₂ eq)	0.00	0.00
	ERUs	(number of units)	0	0
		(kt CO ₂ eq)	0.00	0.00
	CERs	(number of units)	0	0
(kt CO ₂ eq)		0.00	0.00	
tCERs	(number of units)	0	0	
	(kt CO ₂ eq)	0.00	0.00	
ICERs	(number of units)	0	0	
	(kt CO ₂ eq)	0.00	0.00	
Other units ^{d, e}	Units from market-based mechanisms under the Convention	(number of units)		
		(kt CO ₂ eq)		
	Units from other market-based mechanisms	(number of units)		
		(kt CO ₂ eq)		
Total (1)	(number of units)	0	0	
	(kt CO ₂ eq)	0.00	0.00	

Abbreviations : AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.

Note: 2011 is the latest reporting year.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For each reported year, information reported on progress made towards the emission reduction target shall include, in addition to the information noted in paragraphs 9(a-c) of the reporting guidelines, on the use of units from market-based mechanisms.

^c Parties may include this information, as appropriate and if relevant to their target.

^d Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

^e Additional rows for each market-based mechanism should be added, if applicable.

Custom Footnotes

(1) Spain expects to fulfil its target in non ETS sectors without making use of market mechanisms. This happened under the compliance of the first year of the 2013-2020 period, which was carried out in 2016.

Table 5

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Summary of key variables and assumptions used in the projections analysis^a

Key underlying assumptions		Historical ^b						Projected			
Assumption	Unit	1990	1995	2000	2005	2010	2011	2015	2020	2025	2030
GDP (CP2010)	Million €	328,334.80	459,337.00	646,250.00	930,556.00	1,080,913.00	1,075,147.00	1,076,463.00	1,171,126.60	1,274,115.00	1,386,160.10
Population	inhabitants	38,851,322.00	39,387,976.00	40,246,162.00	43,662,626.00	46,562,546.00	46,736,284.00	46,436,797.00	46,105,324.00	45,759,849.00	45,417,952.00
Final energy consumption:- Industry	GJ	628,409.60	792,642.30	890,824.30	1,099,466.70	780,138.20	747,350.70	698,457.90	772,790.10	838,747.20	805,268.10
Final energy consumption:- Transport	GJ	1,032,663.20	1,185,590.00	1,572,185.20	1,909,729.30	1,806,277.50	1,764,900.20	1,663,871.20	1,784,772.30	1,831,202.20	1,955,911.30
Final energy consumption:- Residential	GJ	275,914.00	289,293.20	343,394.20	404,923.30	428,299.40	372,184.10	363,900.40	376,528.40	391,018.50	406,727.20
Final energy consumption:- Agriculture/Forestry	GJ	114,301.00	122,818.20	133,394.60	150,169.20	146,933.00	161,240.20	157,492.40	164,400.90	174,135.70	171,174.80
Final energy demand for road transport	GJ	699,046.20	836,601.30	1,067,223.50	1,275,931.80	1,174,477.30	1,120,179.50	1,086,345.50	1,134,454.50	1,151,387.40	1,247,463.50
Livestock:-Dairy cattle	1000 heads	1,610.50	1,278.10	1,149.80	1,028.20	841.40	817.40	849.30	795.50	745.10	696.70
Livestock:-Non-dairy cattle	1000 heads	3,470.70	4,356.90	4,956.30	5,399.60	5,336.30	5,169.20	5,359.70	5,334.80	5,309.90	5,285.20
Livestock:-Sheep	1000 heads	24,037.00	21,070.00	24,399.00	22,749.00	18,551.00	17,002.00	16,474.00	15,211.00	14,045.00	12,968.00
Livestock:-Pig	1000 heads	16,371.00	18,614.00	22,752.00	25,226.00	25,203.00	25,540.00	27,675.00	28,526.00	28,747.00	28,970.00
Livestock:-Poultry	1000 heads	125,292.00	144,755.00	149,163.00	155,807.00	159,706.00	159,844.00	160,631.00	161,915.00	161,842.00	161,771.00
Nitrogen input from application of synthetic fertilizers	kt nitrogen	981,644,920.00	850,694,280.00	1,176,677,700.00	852,268,780.00	858,548,320.00	770,591,470.00	876,760,890.00	856,079,388.00	854,816,769.00	854,187,319.00
Rice production	1000 km2	569,960.00	329,421.00	824,111.00	824,102.00	927,817.00	921,836.00	872,739.00	872,739.00	872,739.00	872,739.00
Municipal solid waste (MSW) generation	kt MSW	12,237.00	15,665.00	19,606.00	22,669.00	20,714.00	20,114.00	17,934.00	12,698.00	12,552.00	12,409.00
Municipal solid waste (MSW) going to landfills	kt MSW	7,788.00	12,175.00	16,230.00	18,777.00	15,647.00	15,120.00	12,585.00	7,490.00	7,490.00	7,490.00

^a Parties should include key underlying assumptions as appropriate.

^b Parties should include historical data used to develop the greenhouse gas projections reported.

Custom Footnotes

Table 6(a)

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Information on updated greenhouse gas projections under a 'with measures' scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2015	2020	2030
Sector^{d,e}									
Energy	213,254.10	213,254.10	250,092.61	290,693.88	346,239.29	266,783.41	255,452.61	263,749.63	263,839.36
Transport	58,966.57	58,966.57	70,034.15	86,859.99	102,902.21	91,412.22	83,385.71	87,074.69	95,677.82
Industry/industrial processes	32,754.89	29,994.07	32,207.93	41,911.24	42,397.73	40,817.10	30,759.67	32,530.08	31,952.53
Agriculture	34,755.16	34,755.16	34,022.03	39,998.80	37,359.67	34,712.01	35,978.59	28,443.86	27,331.27
Forestry/LULUCF	-25,143.73	-25,143.73	-26,553.07	-37,569.50	-38,744.10	-38,433.47	-38,771.85	-33,048.67	-29,739.14
Waste management/waste	9,824.80	9,824.80	11,561.94	12,983.77	13,559.45	14,448.90	13,470.65	8,270.79	7,330.43
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	205,561.77	205,561.77	240,181.65	273,613.43	330,974.47	245,537.86	232,461.54	248,055.94	252,339.14
CO ₂ emissions excluding net CO ₂ from LULUCF	231,309.75	231,309.75	267,284.70	311,933.70	370,511.78	284,366.51	271,725.57	281,549.10	282,503.53
CH ₄ emissions including CH ₄ from LULUCF	35,476.61	35,476.61	37,526.44	41,870.57	42,145.01	39,310.19	38,522.40	30,060.70	28,653.17
CH ₄ emissions excluding CH ₄ from LULUCF	35,168.64	35,168.64	37,296.25	41,585.31	41,843.08	39,225.92	38,352.34	29,878.01	28,470.36
N ₂ O emissions including N ₂ O from LULUCF	17,378.13	17,378.13	16,594.62	20,186.20	17,459.33	16,205.44	16,430.61	12,890.63	13,114.88
N ₂ O emissions excluding N ₂ O from LULUCF	17,081.85	17,081.85	16,274.83	19,720.69	16,968.05	15,894.54	16,108.49	12,628.83	12,872.44
HFCs	5,872.42	3,039.92	5,872.42	11,664.19	9,807.98	16,932.26	9,164.91	8,622.57	6,286.12
PFCs	1,055.37	1,164.38	1,055.37	496.12	212.65	107.33	88.46	93.93	99.41
SF ₆	100.93	63.61	100.93	187.68	212.60	234.87	221.75	221.69	221.49
NF ₃	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (specify)									
Total with LULUCF^f	265,445.23	262,684.42	301,331.43	348,018.19	400,812.04	318,327.95	296,889.67	299,945.46	300,714.21
Total without LULUCF	290,588.96	287,828.15	327,884.50	385,587.69	439,556.14	356,761.43	335,661.52	332,994.13	330,453.35

Information on updated greenhouse gas projections under a 'with measures' scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2015	2020	2030

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a In accordance with the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications", at a minimum Parties shall report a 'with measures' scenario, and may report 'without measures' and 'with additional measures' scenarios. If a Party chooses to report 'without measures' and/or 'with additional measures' scenarios they are to use tables 6(b) and/or 6(c), respectively. If a Party does not choose to report 'without measures' or 'with additional measures' scenarios then it should not include tables 6(b) or 6(c) in the biennial report.

^b Emissions and removals reported in these columns should be as reported in the latest GHG inventory and consistent with the emissions and removals reported in the table on GHG emissions and trends provided in this biennial report. Where the sectoral breakdown differs from that reported in the GHG inventory Parties should explain in their biennial report how the inventory sectors relate to the sectors reported in this table.

^c 20XX is the reporting due-date year (i.e. 2014 for the first biennial report).

^d In accordance with paragraph 34 of the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications", projections shall be presented on a sectoral basis, to the extent possible, using the same sectoral categories used in the policies and measures section. This table should follow, to the extent possible, the same sectoral categories as those listed in paragraph 17 of those guidelines, namely, to the extent appropriate, the following sectors should be considered: energy, transport, industry, agriculture, forestry and waste management.

^e To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors (i.e. cross-cutting), as appropriate.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Custom Footnotes

Table 7

Provision of public financial support: summary information in 2015^a

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^{c,1}	Climate-specific ^{d,2}				Core/ general ^{c,1}	Climate-specific ^{d,2}			
Mitigation		Adaptation	Cross-cutting ^e	Other ^f	Mitigation		Adaptation	Cross-cutting ^e	Other ^f	
Total contributions through multilateral channels:				11,297,136.00					12,349,668.00	
Multilateral climate change funds ^g				4,300,000.00					4,766,980.00	
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks				5,897,136.00					6,363,228.00	
Specialized United Nations bodies				1,100,000.00					1,219,460.00	
Total contributions through bilateral, regional and other channels		357,038,780.82	28,261,575.71	70,122,264.76			390,255,252.84	31,330,782.68	76,670,782.76	
Total		357,038,780.82	28,261,575.71	81,419,400.76			390,255,252.84	31,330,782.68	89,020,450.76	

Note: Explanation of numerical footnotes is provided in the documentation box after tables 7, 7(a) and 7(b)

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should provide an explanation of the methodology used for currency exchange for the information provided in tables 7, 7(a) and 7(b) in the documentation box.

^c This refers to support to multilateral institutions that Parties cannot specify as being climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities that are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

Custom Footnotes

Documentation Box:

1: Core/general
NA. Spain only includes in this report the contributions that are climate specific.
2: Climate-specific
Multilateral climate specific contributions are only reported in the case of contributions to specific climate change funds/programmes or when multilateral organizations report on the % used for climate change from the general contributions. For bilateral Official Development Assistance (ODA), climate specific contributions are calculated through the application of the DAC OECD Rio markers. For other bilateral Official Flows (OOF), climate specific contributions are identified project by project, assessing its relation or not with the fight against climate change. For further information check the Spanish 7th National Communication.
3: Status
Until 2015 Spain has reported for both, bilateral and multilateral contributions, the "disbursed" contributions (except for export-credits pure cover which are classified as "committed" because of the nature of the instrument). However, since 2016, following the EU guidance for climate finance reporting, Spain reports on "committed" for bilateral contributions and on "disbursed" for multilateral contributions.
4: Funding source
The climate finance reported refers to Official Development Assistance (ODA) and on Other Official Flows (OOF). For further information check the Spanish 7th National Communication.
5: Financial instrument
Spain reports on all types of instruments: grants, concessional loans, non-concessional loans, equity and other (export-credit pure cover)
6: Type of support
All multilateral contributions reported refer to crosscutting contributions (covering both mitigation and/or adaptation). For calculating the type of support in bilateral contributions: in the case of ODA the methodology used is the one used within the DAC OCDE system (using CRS Code lists and Rio markers); in the case of OOF it has been done assessing project by project. All these contributions have been classified as Adaptation, Mitigation or Cross-cutting (covering both, adaptation and mitigation). For further information check the Spanish 7th National Communication.
7: Sector
All multilateral contributions reported refer to several sectors (cross-cutting). For bilateral contributions: in the case of ODA the sector is determined through the application of the DAC OECD Classification (CRS code lists) considering the description of the project/activity; in the case of OOF the sector is determined considering the description of the project itself.
Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and (b).
Climate finance contributions are considered to be new and climate specific when supporting new climate specific projects, programmes, funds and activities. Spain has been working on supporting both new and existing climate specific projects, programmes, funds and activities and, at the same time, on mainstreaming climate change in all international cooperation instruments with developing countries. This has allowed to, year by year, increase the total climate finance. For years 2014 and 2015 (2BR) Spanish climate finance reached 254 and 463 million Euros respectively and for 2015 and 2016, 476 and 595 million euros respectively.

Table 7

Provision of public financial support: summary information in 2016^a

Allocation channels	Year									
	European euro - EUR					USD ^b				
	Core/ general ^{c,1}	Climate-specific ^{d,2}				Core/ general ^{c,1}	Climate-specific ^{d,2}			
Mitigation		Adaptation	Cross-cutting ^e	Other ^f	Mitigation		Adaptation	Cross-cutting ^e	Other ^f	
Total contributions through multilateral channels:				76,036,276.00					81,090,865.11	
Multilateral climate change funds ^g				7,300,000.00					8,075,260.00	
Other multilateral climate change funds ^h										
Multilateral financial institutions, including regional development banks				68,136,276.00					72,360,725.11	
Specialized United Nations bodies				600,000.00					654,880.00	
Total contributions through bilateral, regional and other channels		442,302,998.44	65,472,514.69	11,222,048.65				468,729,602.84	69,476,670.57	11,917,815.69
Total		442,302,998.44	65,472,514.69	87,258,324.65				468,729,602.84	69,476,670.57	93,008,680.80

Note: Explanation of numerical footnotes is provided in the documentation box after tables 7, 7(a) and 7(b).

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should provide an explanation of the methodology used for currency exchange for the information provided in tables 7, 7(a) and 7(b) in the documentation box.

^c This refers to support to multilateral institutions that Parties cannot specify as being climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities that are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

Custom Footnotes

Documentation Box:

1: Core/general NA. Spain only includes in this report the contributions that are climate specific.
2: Climate-specific Multilateral climate specific contributions are only reported in the case of contributions to specific climate change funds/programmes or when multilateral organizations report on the % used for climate change from the general contributions. For bilateral Official Development Assistance (ODA), climate specific contributions are calculated through the application of the DAC OECD Rio markers. For other bilateral Official Flows (OOF), climate specific contributions are identified project by project, assessing its relation or not with the fight against climate change. For further information check the Spanish 7th National Communication.
3: Status Until 2015 Spain has reported for both, bilateral and multilateral contributions, the "disbursed" contributions (except for export-credits pure cover which are classified as "committed" because of the nature of the instrument). However, since 2016, following the EU guidance for climate finance reporting, Spain reports on "committed" for bilateral contributions and on "disbursed" for multilateral contributions.
4: Funding source The climate finance reported refers to Official Development Assistance (ODA) and on Other Official Flows (OOF). For further information check the Spanish 7th National Communication.
5: Financial instrument Spain reports on all types of instruments: grants, concessional loans, non-concessional loans, equity and other (export-credit pure cover)
6: Type of support All multilateral contributions reported refer to crosscutting contributions (covering both mitigation and/or adaptation). For calculating the type of support in bilateral contributions: in the case of ODA the methodology used is the one used within the DAC OCDE system (using CRS Code lists and Rio markers); in the case of OOF it has been done assessing project by project. All these contributions have been classified as Adaptation, Mitigation or Cross-cutting (covering both, adaptation and mitigation). For further information check the Spanish 7th National Communication.
7: Sector All multilateral contributions reported refer to several sectors (cross-cutting). For bilateral contributions: in the case of ODA the sector is determined through the application of the DAC OECD Classification (CRS code lists) considering the description of the project/activity; in the case of OOF the sector is determined considering the description of the project itself.
Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and (b).
Climate finance contributions are considered to be new and climate specific when supporting new climate specific projects, programmes, funds and activities. Spain has been working on supporting both new and existing climate specific projects, programmes, funds and activities and, at the same time, on mainstreaming climate change in all international cooperation instruments with developing countries. This has allowed to, year by year, increase the total climate finance. For years 2014 and 2015 (2BR) Spanish climate finance reached 254 and 463 million Euros respectively and for 2015 and 2016, 476 and 595 million euros respectively.

Table 7(a)

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Provision of public financial support: contribution through multilateral channels in 2015^a

Donor funding	Total amount				Status ^{b,3}	Funding source ^{f,4}	Financial instrument ^{f,5}	Type of support ^{f,6}	Sector ^{c,7}
	Core/general ^{d,1}		Climate-specific ^{e,2}						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			11,297,136.00	12,349,668.00					
Multilateral climate change funds			4,300,000.00	4,766,980.00					
1. Global Environment Facility			3,300,000.00	3,658,380.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund			1,000,000.00	1,108,600.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			5,897,136.00	6,363,228.00					
1. World Bank			4,396,816.00	4,774,942.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank			310,000.00	343,666.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
4. Asian Development Bank			500,000.00	554,300.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank			690,320.00	690,320.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
7. Other									
Specialized United Nations bodies			1,100,000.00	1,219,460.00					
1. United Nations Development Programme			200,000.00	221,720.00					
UNDP Climate Change Regional Programme for Latinamerica and the Caribbean			200,000.00	221,720.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
2. United Nations Environment Programme			400,000.00	443,440.00					
UNEP REGATTA Project			400,000.00	443,440.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
3. Other			500,000.00	554,300.00					
UNREDD Programme			500,000.00	554,300.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting

Abbreviations: ODA = official development assistance, OOF = other official flows, USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as disbursed and committed. Parties will provide the information for as many status categories as appropriate in the following order of priority: disbursed and committed.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as being climate-specific

^e Parties should explain in their biennial reports how they define funds as being climate-specific

^f Please specify.

^g This refers to funding for activities that are cross-cutting across mitigation and adaptation

Custom Footnotes

Provision of public financial support: contribution through multilateral channels in 2016^a

Donor funding	Total amount				Status ^{b,3}	Funding source ^{f,4}	Financial instrument ^{f,5}	Type of support ^{f,6,6}	Sector ^{c,7,7}
	Core/general ^{d,1}		Climate-specific ^{e,2}						
	European euro - EUR	USD	European euro - EUR	USD					
Total contributions through multilateral channels			76,036,276.00	81,090,865.11					
Multilateral climate change funds			7,300,000.00	8,075,260.00					
1. Global Environment Facility			6,300,000.00	6,969,060.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund			1,000,000.00	1,106,200.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
6. UNFCCC Trust Fund for Supplementary Activities									
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks			68,136,276.00	72,360,725.11					
1. World Bank			47,673,000.00	50,628,726.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank			8,981,831.00	9,538,704.52	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
4. Asian Development Bank			8,094,636.00	8,596,503.43	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank			3,386,809.00	3,596,791.16	Disbursed	ODA	Equity	Cross-cutting	Cross-cutting
7. Other									
Specialized United Nations bodies			600,000.00	654,880.00					
1. United Nations Development Programme									
2. United Nations Environment Programme			400,000.00	442,480.00					
UNEP REGATTA Project			400,000.00	442,480.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting
3. Other			200,000.00	212,400.00					
Economic Commission for Latin America and the Caribbean (ECLAC)			200,000.00	212,400.00	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting

Abbreviations: ODA = official development assistance, OOF = other official flows, USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as disbursed and committed. Parties will provide the information for as many status categories as appropriate in the following order of priority: disbursed and committed.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^d This refers to support to multilateral institutions that Parties cannot specify as being climate-specific

^e Parties should explain in their biennial reports how they define funds as being climate-specific

^f Please specify.

^g This refers to funding for activities that are cross-cutting across mitigation and adaptation

Custom Footnotes

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, h, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{f, 2}							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels	455,422,621.29	498,256,818.28						
ÁFRICA SUBSAHARIANA, NO ESPECIFICADOS / Regional programme/contribution	525,977.32	583,098.45	Disbursed	ODA	Concessional Loan	Adaptation	Agriculture	
ÁFRICA SUBSAHARIANA, NO ESPECIFICADOS / Regional programme/contribution	6,012.00	6,664.90	Disbursed	ODA	Grant	Adaptation	Agriculture	
ÁFRICA, NO ESPECIFICADOS, África / Regional programme/contribution	39,932.66	44,269.35	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	200,000.00	221,720.00	Disbursed	ODA	Grant	Adaptation	Health	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	1,000,000.00	1,108,600.00	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	20,000.00	22,172.00	Disbursed	ODA	Grant	Cross-cutting	Education	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	40,000.00	44,344.00	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	525,977.32	583,098.45	Disbursed	ODA	Concessional Loan	Adaptation	Agriculture	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	5,684,036.02	6,301,322.33	Disbursed	ODA	Concessional Loan	Mitigation	Energy	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	32,901.21	36,474.28	Disbursed	ODA	Grant	Adaptation	Not applicable	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	55,000.00	60,973.00	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	37,405.16	41,467.36	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	1,290.51	1,430.65	Disbursed	ODA	Grant	Mitigation	Other (social services and infrastructures)	
Angola / Bilateral programme/contribution	3,671.86	4,070.62	Disbursed	ODA	Grant	Cross-cutting	Energy	
Argelia / Bilateral programme/contribution	2,500.00	2,771.50	Disbursed	ODA	Grant	Cross-cutting	Transport	
Argentina / Bilateral programme/contribution	2,500.00	2,771.50	Disbursed	ODA	Grant	Adaptation	Energy	
Argentina / Bilateral programme/contribution	1,171.45	1,298.67	Disbursed	ODA	Grant	Adaptation	Other (social services and infrastructures)	
Argentina / Bilateral programme/contribution	1,250.00	1,385.75	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Argentina / Bilateral programme/contribution	2,722.50	3,018.16	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Argentina / Bilateral programme/contribution	3,000.00	3,325.80	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
ASIA CENTRAL, NO ESPECIFICADOS / Regional programme/contribution	1,000,000.00	1,108,600.00	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Benín / Bilateral programme/contribution	22,962.40	25,456.12	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Bolivia / Bilateral programme/contribution	227,359.73	252,050.99	Disbursed	ODA	Grant	Adaptation	Agriculture	
Bolivia / Bilateral programme/contribution	7,500.00	8,314.50	Disbursed	ODA	Grant	Adaptation	Energy	
Bolivia / Bilateral programme/contribution	32,318.00	35,827.73	Disbursed	ODA	Grant	Adaptation	Health	
Bolivia / Bilateral programme/contribution	53,016.22	58,773.78	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Bolivia / Bilateral programme/contribution	39,000.00	43,235.40	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Bolivia / Bilateral programme/contribution	1,532.50	1,698.93	Disbursed	ODA	Grant	Adaptation	Other (social services and infrastructures)	
Bolivia / Bilateral programme/contribution	272,014.59	301,555.37	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Bolivia / Bilateral programme/contribution	300,000.00	332,580.00	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Bolivia / Bilateral programme/contribution	3,434.60	3,807.60	Disbursed	ODA	Grant	Cross-cutting	Education	
Bolivia / Bilateral programme/contribution	4,220.14	4,678.45	Disbursed	ODA	Grant	Cross-cutting	Energy	
Bolivia / Bilateral programme/contribution	2,291.50	2,540.36	Disbursed	ODA	Grant	Cross-cutting	Forestry	
Bolivia / Bilateral programme/contribution	5,500.00	6,097.30	Disbursed	ODA	Grant	Cross-cutting	Industry	
Bolivia / Bilateral programme/contribution	70,800.00	78,488.88	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,6} h,6	Sector ^{d,e,7}	Additional information ^e
	Climate-specific ^{f,2}							
	European euro - EUR	USD						
Bolivia / Bilateral programme/contribution	5,200.00	5,764.72	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Bolivia / Bilateral programme/contribution	55,250.00	61,250.15	Disbursed	ODA	Grant	Cross-cutting	Tourism	
Bolivia / Bilateral programme/contribution	1,500.00	1,662.90	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Bolivia / Bilateral programme/contribution	51,373.98	56,953.19	Disbursed	ODA	Grant	Mitigation	Agriculture	
Bolivia / Bilateral programme/contribution	202,040.00	223,981.54	Disbursed	ODA	Grant	Mitigation	Energy	
Bolivia / Bilateral programme/contribution	4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Health	
Bolivia / Bilateral programme/contribution	100,000.00	110,860.00	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
Brasil / Bilateral programme/contribution	42,504.98	47,121.02	Disbursed	ODA	Grant	Adaptation	Agriculture	
Brasil / Bilateral programme/contribution	7,001.30	7,761.64	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Brasil / Bilateral programme/contribution	16,232.00	17,994.80	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Brasil / Bilateral programme/contribution	2,340.00	2,594.12	Disbursed	ODA	Grant	Cross-cutting	Education	
Brasil / Bilateral programme/contribution	151,001.16	167,399.89	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Brasil / Bilateral programme/contribution	2,722.50	3,018.16	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Brasil / Bilateral programme/contribution	3,000.00	3,325.80	Disbursed	ODA	Grant	Mitigation	Cross-cutting (Environmental Protection)	
Burkina Faso / Bilateral programme/contribution	1,200.00	1,330.32	Disbursed	ODA	Grant	Adaptation	Education	
Burkina Faso / Bilateral programme/contribution	169,030.00	187,386.66	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Burkina Faso / Bilateral programme/contribution	5,200.00	5,764.72	Disbursed	ODA	Grant	Cross-cutting	Education	
Burkina Faso / Bilateral programme/contribution	3,065.00	3,397.86	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Burkina Faso / Bilateral programme/contribution	13,107.15	14,530.59	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Burkina Faso / Bilateral programme/contribution	14,665.60	16,258.28	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Cabo Verde / Bilateral programme/contribution	43,748.00	48,499.03	Disbursed	ODA	Grant	Adaptation	Fishery	
Cabo Verde / Bilateral programme/contribution	7,845.00	8,696.97	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Cabo Verde / Bilateral programme/contribution	2,152.50	2,386.26	Disbursed	ODA	Grant	Cross-cutting	Tourism	
Camerún / Bilateral programme/contribution	4,161.15	4,613.05	Disbursed	ODA	Grant	Cross-cutting	Education	
Chad / Bilateral programme/contribution	32,296.09	35,803.44	Disbursed	ODA	Grant	Adaptation	Agriculture	
Chile / Bilateral programme/contribution	4,281.71	4,746.70	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Chile / Bilateral programme/contribution	4,050.00	4,489.83	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Chile / Bilateral programme/contribution	1,076.62	1,193.54	Disbursed	ODA	Grant	Mitigation	Industry	
China, República Popular de / Bilateral programme/contribution	99,294.06	110,077.39	Disbursed	ODA	Grant	Mitigation	Energy	
Colombia / Bilateral programme/contribution	1,200.50	1,330.87	Disbursed	ODA	Grant	Adaptation	Education	
Colombia / Bilateral programme/contribution	100,000.00	110,860.00	Disbursed	ODA	Grant	Adaptation	Tourism	
Colombia / Bilateral programme/contribution	32,200.00	35,696.92	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Colombia / Bilateral programme/contribution	16,690.84	18,503.47	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Colombia / Bilateral programme/contribution	6,573.55	7,287.44	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Colombia / Bilateral programme/contribution	18,499.99	20,509.08	Disbursed	ODA	Grant	Cross-cutting	Education	
Colombia / Bilateral programme/contribution	4,220.14	4,678.45	Disbursed	ODA	Grant	Cross-cutting	Energy	
Colombia / Bilateral programme/contribution	4,176.00	4,629.51	Disbursed	ODA	Grant	Cross-cutting	Industry	
Colombia / Bilateral programme/contribution	91,302.07	101,217.47	Disbursed	ODA	Grant	Cross-cutting	Not applicable	
Colombia / Bilateral programme/contribution	2,800.00	3,104.08	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Colombia / Bilateral programme/contribution	6,687.27	7,413.50	Disbursed	ODA	Grant	Mitigation	Agriculture	
Colombia / Bilateral programme/contribution	3,000.00	3,325.80	Disbursed	ODA	Grant	Mitigation	Other (multisectorial)	
Congo, Rep. Dem. / Bilateral programme/contribution	37,570.32	41,650.45	Disbursed	ODA	Grant	Adaptation	Agriculture	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e, h,6}	Sector ^{d,e,7}	Additional information ^e
	Climate-specific ^{1,2}	European euro - EUR						
Congo, Rep. Dem. / Bilateral programme/contribution		4,500.00	4,988.70	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)
Congo, Rep. Dem. / Bilateral programme/contribution		70,820.45	78,511.55	Disbursed	ODA	Grant	Adaptation	Health
Congo, Rep. Dem. / Bilateral programme/contribution		12,334.50	13,674.03	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Congo, Rep. Dem. / Bilateral programme/contribution		6,976.96	7,734.66	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation
Costa Rica / Bilateral programme/contribution		33,500.00	37,138.10	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)
Costa Rica / Bilateral programme/contribution		1,200.00	1,330.32	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Costa Rica / Bilateral programme/contribution		1,500.00	1,662.90	Disbursed	ODA	Grant	Cross-cutting	Agriculture
Costa Rica / Bilateral programme/contribution		1,665.00	1,845.82	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)
Costa Rica / Bilateral programme/contribution		1,500.00	1,662.90	Disbursed	ODA	Grant	Mitigation	Forestry
Cuba / Bilateral programme/contribution		52,278.41	57,955.84	Disbursed	ODA	Grant	Adaptation	Agriculture
Cuba / Bilateral programme/contribution		46,424.21	51,465.87	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)
Cuba / Bilateral programme/contribution		1,148.59	1,273.32	Disbursed	ODA	Grant	Adaptation	Industry
Cuba / Bilateral programme/contribution		5,640.77	6,253.35	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Cuba / Bilateral programme/contribution		392,006.00	434,577.85	Disbursed	ODA	Grant	Cross-cutting	Agriculture
Cuba / Bilateral programme/contribution		157,665.05	174,787.47	Disbursed	ODA	Grant	Cross-cutting	Energy
Cuba / Bilateral programme/contribution		5,549.00	6,151.62	Disbursed	ODA	Grant	Cross-cutting	Forestry
Cuba / Bilateral programme/contribution		61,974.72	68,705.17	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)
Cuba / Bilateral programme/contribution		64,000.00	70,950.40	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)
Cuba / Bilateral programme/contribution		1,437.98	1,594.14	Disbursed	ODA	Grant	Mitigation	Agriculture
Cuba / Bilateral programme/contribution		2,040.00	2,261.54	Disbursed	ODA	Grant	Mitigation	Other (social services and infrastructures)
Dominica / Bilateral programme/contribution		25,000.00	27,715.00	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)
Dominicana, Rep. / Bilateral programme/contribution		98,624.80	109,335.46	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)
Dominicana, Rep. / Bilateral programme/contribution		24,656.20	27,333.86	Disbursed	ODA	Grant	Adaptation	Industry
Dominicana, Rep. / Bilateral programme/contribution		1,199.95	1,330.26	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)
Dominicana, Rep. / Bilateral programme/contribution		2,100.00	2,328.06	Disbursed	ODA	Grant	Adaptation	Other (social services and infrastructures)
Dominicana, Rep. / Bilateral programme/contribution		2,800,414.78	3,104,539.83	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Dominicana, Rep. / Bilateral programme/contribution		81,131.89	89,942.81	Disbursed	ODA	Grant	Cross-cutting	Agriculture
Dominicana, Rep. / Bilateral programme/contribution		84,438.69	93,608.73	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)
Dominicana, Rep. / Bilateral programme/contribution		81,131.89	89,942.81	Disbursed	ODA	Grant	Cross-cutting	Education
Dominicana, Rep. / Bilateral programme/contribution		28,065.00	31,112.86	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)
Dominicana, Rep. / Bilateral programme/contribution		25,650.50	28,436.14	Disbursed	ODA	Grant	Mitigation	Agriculture
Dominicana, Rep. / Bilateral programme/contribution		76,169.94	84,441.99	Disbursed	ODA	Grant	Mitigation	Education
Dominicana, Rep. / Bilateral programme/contribution		1,402.27	1,554.55	Disbursed	ODA	Grant	Mitigation	Other (Disaster risk reduction)
Ecuador / Bilateral programme/contribution		476,631.35	528,393.51	Disbursed	ODA	Grant	Adaptation	Agriculture
Ecuador / Bilateral programme/contribution		59,247.93	65,682.25	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)
Ecuador / Bilateral programme/contribution		1,080.00	1,197.29	Disbursed	ODA	Grant	Adaptation	Education
Ecuador / Bilateral programme/contribution		1,801.52	1,997.16	Disbursed	ODA	Grant	Adaptation	Energy
Ecuador / Bilateral programme/contribution		5,386.61	5,971.60	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)
Ecuador / Bilateral programme/contribution		115,746.40	128,316.46	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)
Ecuador / Bilateral programme/contribution		150,946.23	167,338.99	Disbursed	ODA	Grant	Cross-cutting	Agriculture
Ecuador / Bilateral programme/contribution		205,874.65	228,232.64	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)
Ecuador / Bilateral programme/contribution		1,431.00	1,586.41	Disbursed	ODA	Grant	Cross-cutting	Education

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{1, 2}	European euro - EUR						
Ecuador / Bilateral programme/contribution		8,341.43	9,247.31	Disbursed	ODA	Grant	Cross-cutting	Energy
Ecuador / Bilateral programme/contribution		119,995.68	133,027.21	Disbursed	ODA	Grant	Cross-cutting	Forestry
Ecuador / Bilateral programme/contribution		94,727.92	105,015.37	Disbursed	ODA	Grant	Cross-cutting	Health
Ecuador / Bilateral programme/contribution		70,800.00	78,488.88	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)
Ecuador / Bilateral programme/contribution		11,424.00	12,664.65	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)
Ecuador / Bilateral programme/contribution		3,372.50	3,738.75	Disbursed	ODA	Grant	Mitigation	Agriculture
Ecuador / Bilateral programme/contribution		20,481.75	22,706.07	Disbursed	ODA	Grant	Mitigation	Energy
Ecuador / Bilateral programme/contribution		4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Industry
Ecuador / Bilateral programme/contribution		4,172.00	4,625.08	Disbursed	ODA	Grant	Mitigation	Other (Disaster risk reduction)
Ecuador / Bilateral programme/contribution		17,990.00	19,943.71	Disbursed	ODA	Grant	Mitigation	Water and Sanitation
El Salvador / Bilateral programme/contribution		151,258.31	167,684.96	Disbursed	ODA	Grant	Adaptation	Agriculture
El Salvador / Bilateral programme/contribution		56,250.00	62,358.75	Disbursed	ODA	Grant	Adaptation	Fishery
El Salvador / Bilateral programme/contribution		107,167.06	118,805.40	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)
El Salvador / Bilateral programme/contribution		270,887.30	300,305.66	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)
El Salvador / Bilateral programme/contribution		8,489.34	9,411.28	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)
El Salvador / Bilateral programme/contribution		266,161.44	295,066.57	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
El Salvador / Bilateral programme/contribution		286,814.00	317,962.00	Disbursed	ODA	Grant	Cross-cutting	Agriculture
El Salvador / Bilateral programme/contribution		2,115.00	2,344.69	Disbursed	ODA	Grant	Cross-cutting	Education
El Salvador / Bilateral programme/contribution		296,984.19	329,236.67	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)
El Salvador / Bilateral programme/contribution		262,402.21	290,899.09	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)
El Salvador / Bilateral programme/contribution		6,000.00	6,651.60	Disbursed	ODA	Grant	Mitigation	Health
El Salvador / Bilateral programme/contribution		162,500.00	180,147.50	Disbursed	ODA	Grant	Mitigation	Other (multisectorial)
El Salvador / Bilateral programme/contribution		4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Other (social services and infrastructures)
ESTADOS DE LA EX-YUGOSLAVIA, NO ESPECIFICADOS / Regional programme/contribution		1,252.50	1,388.52	Disbursed	ODA	Grant	Adaptation	Not applicable
Etiopía / Bilateral programme/contribution		625,000.00	692,875.00	Disbursed	ODA	Grant	Adaptation	Agriculture
Etiopía / Bilateral programme/contribution		17,745.97	19,673.18	Disbursed	ODA	Grant	Adaptation	Energy
Etiopía / Bilateral programme/contribution		302,209.00	335,028.90	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Etiopía / Bilateral programme/contribution		7,399.98	8,203.62	Disbursed	ODA	Grant	Cross-cutting	Education
Etiopía / Bilateral programme/contribution		625,000.00	692,875.00	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)
EUROPA, NO ESPECIFICADOS / Regional programme/contribution		9,642.60	10,689.79	Disbursed	ODA	Grant	Adaptation	Agriculture
Filipinas / Bilateral programme/contribution		2,275,000.00	2,522,065.00	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)
Gambia / Bilateral programme/contribution		2,200.00	2,438.92	Disbursed	ODA	Grant	Cross-cutting	Agriculture
Gambia / Bilateral programme/contribution		3,434.60	3,807.60	Disbursed	ODA	Grant	Cross-cutting	Health
Ghana / Bilateral programme/contribution		3,065.00	3,397.86	Disbursed	ODA	Grant	Cross-cutting	Education
Ghana / Bilateral programme/contribution		1,600.00	1,773.76	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation
Guatemala / Bilateral programme/contribution		46,802.18	51,884.89	Disbursed	ODA	Grant	Adaptation	Agriculture
Guatemala / Bilateral programme/contribution		5,625.00	6,235.88	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)
Guatemala / Bilateral programme/contribution		10,107.13	11,204.76	Disbursed	ODA	Grant	Adaptation	Health
Guatemala / Bilateral programme/contribution		51,477.87	57,068.37	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)
Guatemala / Bilateral programme/contribution		96,525.00	107,007.62	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)
Guatemala / Bilateral programme/contribution		428,840.27	475,412.32	Disbursed	ODA	Grant	Adaptation	Water and Sanitation
Guatemala / Bilateral programme/contribution		23,662.01	26,231.70	Disbursed	ODA	Grant	Cross-cutting	Agriculture

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, h, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{f, 2}							
	European euro - EUR	USD						
Guatemala / Bilateral programme/contribution	3,065.00	3,397.86	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Guatemala / Bilateral programme/contribution	2,265.00	2,510.98	Disbursed	ODA	Grant	Cross-cutting	Education	
Guatemala / Bilateral programme/contribution	186,812.09	207,099.88	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Guatemala / Bilateral programme/contribution	156,250.00	173,218.75	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Guatemala / Bilateral programme/contribution	2,722.50	3,018.16	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Guatemala / Bilateral programme/contribution	2,100.00	2,328.06	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Guatemala / Bilateral programme/contribution	39,562.50	43,858.99	Disbursed	ODA	Grant	Mitigation	Agriculture	
Guatemala / Bilateral programme/contribution	105,693.91	117,172.27	Disbursed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Guinea Ecuatorial / Bilateral programme/contribution	127,000.00	140,792.20	Disbursed	ODA	Grant	Adaptation	Health	
Guinea Ecuatorial / Bilateral programme/contribution	20,634.00	22,874.85	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Guinea-Bissau / Bilateral programme/contribution	43,750.00	48,501.25	Disbursed	ODA	Grant	Adaptation	Agriculture	
Guinea-Bissau / Bilateral programme/contribution	274,203.00	303,981.45	Disbursed	ODA	Grant	Cross-cutting	Forestry	
Guinea-Bissau / Bilateral programme/contribution	298,086.00	330,458.14	Disbursed	ODA	Grant	Mitigation	Agriculture	
Haiti / Bilateral programme/contribution	16,000.00	17,737.60	Disbursed	ODA	Grant	Adaptation	Agriculture	
Haiti / Bilateral programme/contribution	200,000.00	221,720.00	Disbursed	ODA	Grant	Adaptation	Fishery	
Haiti / Bilateral programme/contribution	498,827.30	552,999.94	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Haiti / Bilateral programme/contribution	312,500.00	346,437.50	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Haiti / Bilateral programme/contribution	7,411.95	8,216.89	Disbursed	ODA	Grant	Cross-cutting	Energy	
Haiti / Bilateral programme/contribution	52,500.00	58,201.50	Disbursed	ODA	Grant	Mitigation	Agriculture	
Honduras / Bilateral programme/contribution	310,310.47	344,010.19	Disbursed	ODA	Concessional Loan	Mitigation	Water and Sanitation	
Honduras / Bilateral programme/contribution	27,515.42	30,503.59	Disbursed	ODA	Grant	Adaptation	Agriculture	
Honduras / Bilateral programme/contribution	11,714.77	12,986.99	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Honduras / Bilateral programme/contribution	1,532.50	1,698.93	Disbursed	ODA	Grant	Adaptation	Education	
Honduras / Bilateral programme/contribution	684,601.11	758,948.79	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Honduras / Bilateral programme/contribution	96,525.00	107,007.62	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Honduras / Bilateral programme/contribution	423,624.55	469,630.17	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Honduras / Bilateral programme/contribution	545,824.00	605,100.49	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Honduras / Bilateral programme/contribution	35,250.60	39,078.82	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Honduras / Bilateral programme/contribution	1,432,485.00	1,588,052.87	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Honduras / Bilateral programme/contribution	2,722.50	3,018.16	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Honduras / Bilateral programme/contribution	77,464.00	85,876.59	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Honduras / Bilateral programme/contribution	93,270.23	103,399.38	Disbursed	ODA	Grant	Mitigation	Energy	
Honduras / Bilateral programme/contribution	7,089.77	7,859.72	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
India / Bilateral programme/contribution	1,927.59	2,136.93	Disbursed	ODA	Grant	Adaptation	Energy	
India / Bilateral programme/contribution	1,332.50	1,477.21	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
India / Bilateral programme/contribution	42,333.83	46,931.29	Disbursed	ODA	Grant	Adaptation	Other (social services and infrastructures)	
India / Bilateral programme/contribution	3,758.16	4,166.30	Disbursed	ODA	Grant	Adaptation	Transport	
India / Bilateral programme/contribution	10,811.41	11,985.53	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
India / Bilateral programme/contribution	24,778.80	27,469.78	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
India / Bilateral programme/contribution	54,978.34	60,948.99	Disbursed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Jordania / Bilateral programme/contribution	25,000.00	27,715.00	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Jordania / Bilateral programme/contribution	12,500.00	13,857.50	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{1, 2}							
	European euro - EUR	USD						
Kenia / Bilateral programme/contribution	30,471.74	33,780.97	Disbursed	ODA	Grant	Adaptation	Agriculture	
Kenia / Bilateral programme/contribution	45,901.26	50,886.14	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Kenia / Bilateral programme/contribution	7,599.90	8,425.25	Disbursed	ODA	Grant	Cross-cutting	Health	
Madagascar / Bilateral programme/contribution	2,100.53	2,328.64	Disbursed	ODA	Grant	Cross-cutting	Education	
Mali / Bilateral programme/contribution	172,364.72	191,083.53	Disbursed	ODA	Grant	Adaptation	Agriculture	
Mali / Bilateral programme/contribution	74,296.49	82,365.09	Disbursed	ODA	Grant	Adaptation	Health	
Mali / Bilateral programme/contribution	125,000.00	138,575.00	Disbursed	ODA	Grant	Adaptation	Other (Food Security)	
Mali / Bilateral programme/contribution	563,365.00	624,546.44	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Mali / Bilateral programme/contribution	4,491.40	4,979.17	Disbursed	ODA	Grant	Cross-cutting	Not applicable	
Mali / Bilateral programme/contribution	625,000.00	692,875.00	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Marruecos / Bilateral programme/contribution	6,875.00	7,621.63	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Marruecos / Bilateral programme/contribution	95,000.00	105,317.00	Disbursed	ODA	Grant	Adaptation	Industry	
Marruecos / Bilateral programme/contribution	1,400.16	1,552.21	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Marruecos / Bilateral programme/contribution	4,687.50	5,196.56	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Marruecos / Bilateral programme/contribution	3,130.05	3,469.97	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Marruecos / Bilateral programme/contribution	332,088.14	368,152.91	Disbursed	ODA	Grant	Cross-cutting	Education	
Marruecos / Bilateral programme/contribution	4,500.00	4,988.70	Disbursed	ODA	Grant	Cross-cutting	Health	
Marruecos / Bilateral programme/contribution	64,624.99	71,643.26	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Marruecos / Bilateral programme/contribution	23,322.00	25,854.77	Disbursed	ODA	Grant	Cross-cutting	Tourism	
Marruecos / Bilateral programme/contribution	12,463.94	13,817.52	Disbursed	ODA	Grant	Mitigation	Energy	
Marruecos / Bilateral programme/contribution	21,546.00	23,885.90	Disbursed	ODA	Grant	Mitigation	Transport	
Mauritania / Bilateral programme/contribution	971,250.00	1,076,727.75	Disbursed	ODA	Grant	Adaptation	Agriculture	
Mauritania / Bilateral programme/contribution	735,670.00	815,563.76	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Mauritania / Bilateral programme/contribution	11,130.47	12,339.24	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Mauritania / Bilateral programme/contribution	615.15	681.96	Disbursed	ODA	Grant	Mitigation	Energy	
México / Bilateral programme/contribution	59,984.17	66,498.45	Disbursed	ODA	Grant	Adaptation	Agriculture	
México / Bilateral programme/contribution	36,764.76	40,757.41	Disbursed	ODA	Grant	Adaptation	Health	
México / Bilateral programme/contribution	2,500.00	2,771.50	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
México / Bilateral programme/contribution	2,179.65	2,416.36	Disbursed	ODA	Grant	Cross-cutting	Health	
México / Bilateral programme/contribution	1,944.45	2,155.61	Disbursed	ODA	Grant	Mitigation	Forestry	
Mozambique / Bilateral programme/contribution	18,011.95	19,968.05	Disbursed	ODA	Grant	Adaptation	Agriculture	
Mozambique / Bilateral programme/contribution	14,189.26	15,730.21	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Mozambique / Bilateral programme/contribution	12,607.45	13,976.62	Disbursed	ODA	Grant	Adaptation	Health	
Mozambique / Bilateral programme/contribution	1,828.43	2,026.99	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Mozambique / Bilateral programme/contribution	98,867.60	109,604.62	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Mozambique / Bilateral programme/contribution	4,326.11	4,795.92	Disbursed	ODA	Grant	Cross-cutting	Energy	
Mozambique / Bilateral programme/contribution	1,308.50	1,450.60	Disbursed	ODA	Grant	Cross-cutting	Forestry	
Mozambique / Bilateral programme/contribution	1,177,700.00	1,305,598.22	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Mozambique / Bilateral programme/contribution	200,264.06	222,012.74	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Mozambique / Bilateral programme/contribution	3,200.00	3,547.52	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Mozambique / Bilateral programme/contribution	2,040.00	2,261.54	Disbursed	ODA	Grant	Mitigation	Education	
Mozambique / Bilateral programme/contribution	62,368.43	69,141.64	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
Nepal / Bilateral programme/contribution	50,000.00	55,430.00	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Nepal / Bilateral programme/contribution	6,240.00	6,917.66	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,6}	Sector ^{d,e,7}	Additional information ^e
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Nepal / Bilateral programme/contribution	25,000.00	27,715.00	Disbursed	ODA	Grant	Mitigation	Other (Disaster risk reduction)	
Nicaragua / Bilateral programme/contribution	409,173.10	453,609.30	Disbursed	ODA	Grant	Adaptation	Agriculture	
Nicaragua / Bilateral programme/contribution	118,936.19	131,852.66	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Nicaragua / Bilateral programme/contribution	98,525.00	109,224.82	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Nicaragua / Bilateral programme/contribution	100,592.25	111,516.57	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Nicaragua / Bilateral programme/contribution	479,982.09	532,108.14	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Nicaragua / Bilateral programme/contribution	373,112.99	413,633.06	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Nicaragua / Bilateral programme/contribution	6,415.00	7,111.67	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Nicaragua / Bilateral programme/contribution	126,080.00	139,772.29	Disbursed	ODA	Grant	Cross-cutting	Other (Communications)	
Nicaragua / Bilateral programme/contribution	275,572.80	305,500.01	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Nicaragua / Bilateral programme/contribution	6,300.00	6,984.18	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Nicaragua / Bilateral programme/contribution	62,209.09	68,965.00	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Nicaragua / Bilateral programme/contribution	1,350.00	1,496.61	Disbursed	ODA	Grant	Mitigation	Agriculture	
Niger / Bilateral programme/contribution	443,104.74	491,225.91	Disbursed	ODA	Grant	Adaptation	Agriculture	
Niger / Bilateral programme/contribution	150,000.00	166,290.00	Disbursed	ODA	Grant	Adaptation	Health	
Niger / Bilateral programme/contribution	700,000.00	776,020.00	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Niger / Bilateral programme/contribution	625,000.00	692,875.00	Disbursed	ODA	Grant	Adaptation	Other (Food Security)	
Niger / Bilateral programme/contribution	125,000.00	138,575.00	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Nigeria / Bilateral programme/contribution	2,699.55	2,992.72	Disbursed	ODA	Grant	Cross-cutting	Education	
NORTE DE ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	51,413.97	56,997.52	Disbursed	ODA	Grant	Adaptation	Fishery	
NORTE DE ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	10,080.00	11,174.69	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Developing countries / Bilateral programme/contribution	524,768.32	581,758.16	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Developing countries / Bilateral programme/contribution	10,512.05	11,653.65	Disbursed	ODA	Grant	Adaptation	Fishery	
Developing countries / Bilateral programme/contribution	750,376.88	831,867.81	Disbursed	ODA	Grant	Adaptation	Health	
Developing countries / Bilateral programme/contribution	1,252.50	1,388.52	Disbursed	ODA	Grant	Adaptation	Not applicable	
Developing countries / Bilateral programme/contribution	150,000.00	166,290.00	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Developing countries / Bilateral programme/contribution	3,420.00	3,791.41	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Developing countries / Bilateral programme/contribution	48,414.80	53,672.65	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Developing countries / Bilateral programme/contribution	7,500.00	8,314.50	Disbursed	ODA	Grant	Cross-cutting	Education	
Developing countries / Bilateral programme/contribution	5,900.00	6,540.74	Disbursed	ODA	Grant	Cross-cutting	Energy	
Developing countries / Bilateral programme/contribution	19,500.00	21,617.70	Disbursed	ODA	Grant	Cross-cutting	Not applicable	
Developing countries / Bilateral programme/contribution	461,984.21	512,155.70	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Developing countries / Bilateral programme/contribution	1,100,500.00	1,220,014.30	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Developing countries / Bilateral programme/contribution	37,500.00	41,572.50	Disbursed	ODA	Grant	Mitigation	Agriculture	
Developing countries / Bilateral programme/contribution	69,938.01	77,533.28	Disbursed	ODA	Grant	Mitigation	Energy	
Developing countries / Bilateral programme/contribution	150,000.00	166,290.00	Disbursed	ODA	Grant	Mitigation	Other (multisectorial)	
Developing countries / Bilateral programme/contribution	17,385.47	19,273.53	Disbursed	ODA	Grant	Cross-cutting	Other: several sectors	

Table 7(b)

ESP_BR3_v1.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, h, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{f, 2}							
	European euro - EUR	USD						
Palestina / Bilateral programme/contribution	609,083.00	675,229.41	Disbursed	ODA	Grant	Adaptation	Agriculture	
Palestina / Bilateral programme/contribution	250,000.00	277,150.00	Disbursed	ODA	Grant	Adaptation	Other (Infrastructure)	
Palestina / Bilateral programme/contribution	405,520.63	449,560.16	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Palestina / Bilateral programme/contribution	625,000.00	692,875.00	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Panamá / Bilateral programme/contribution	33,000.00	36,583.80	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Panamá / Bilateral programme/contribution	22,500.00	24,943.50	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Paraguay / Bilateral programme/contribution	94,147.20	104,371.59	Disbursed	ODA	Grant	Adaptation	Education	
Paraguay / Bilateral programme/contribution	2,265.00	2,510.98	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Paraguay / Bilateral programme/contribution	4,640.00	5,143.90	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Paraguay / Bilateral programme/contribution	2,000.00	2,217.20	Disbursed	ODA	Grant	Mitigation	Not applicable	
Perú / Bilateral programme/contribution	26,956.06	29,883.48	Disbursed	ODA	Grant	Adaptation	Agriculture	
Perú / Bilateral programme/contribution	1,542.25	1,709.73	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Perú / Bilateral programme/contribution	1,035.00	1,147.40	Disbursed	ODA	Grant	Adaptation	Education	
Perú / Bilateral programme/contribution	52,489.50	58,189.86	Disbursed	ODA	Grant	Adaptation	Fishery	
Perú / Bilateral programme/contribution	39,650.00	43,955.99	Disbursed	ODA	Grant	Adaptation	Health	
Perú / Bilateral programme/contribution	108,486.82	120,268.49	Disbursed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Perú / Bilateral programme/contribution	673,523.81	746,668.50	Disbursed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Perú / Bilateral programme/contribution	50,000.00	55,430.00	Disbursed	ODA	Grant	Adaptation	Other (multisectorial)	
Perú / Bilateral programme/contribution	149,853.83	166,127.96	Disbursed	ODA	Grant	Adaptation	Other (social services and infrastructures)	
Perú / Bilateral programme/contribution	568,015.81	629,702.32	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Perú / Bilateral programme/contribution	235,381.30	260,943.70	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Perú / Bilateral programme/contribution	760,748.50	843,365.79	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Perú / Bilateral programme/contribution	6,651.40	7,373.74	Disbursed	ODA	Grant	Cross-cutting	Education	
Perú / Bilateral programme/contribution	22,725.37	25,193.35	Disbursed	ODA	Grant	Cross-cutting	Energy	
Perú / Bilateral programme/contribution	24,772.60	27,462.90	Disbursed	ODA	Grant	Cross-cutting	Health	
Perú / Bilateral programme/contribution	305,423.63	338,592.64	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Perú / Bilateral programme/contribution	206,962.72	229,438.87	Disbursed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Perú / Bilateral programme/contribution	497,875.46	551,944.73	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Perú / Bilateral programme/contribution	5,215.00	5,781.35	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Perú / Bilateral programme/contribution	52,276.26	57,953.46	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Perú / Bilateral programme/contribution	26,154.50	28,994.88	Disbursed	ODA	Grant	Mitigation	Agriculture	
Perú / Bilateral programme/contribution	4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Education	
Perú / Bilateral programme/contribution	177,848.21	197,162.53	Disbursed	ODA	Grant	Mitigation	Energy	
Perú / Bilateral programme/contribution	4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Health	
Perú / Bilateral programme/contribution	4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Industry	
Perú / Bilateral programme/contribution	4,080.00	4,523.09	Disbursed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Perú / Bilateral programme/contribution	4,830.00	5,354.54	Disbursed	ODA	Grant	Mitigation	Other (social services and infrastructures)	
Perú / Bilateral programme/contribution	2,400.00	2,660.64	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
Ruanda / Bilateral programme/contribution	4,787.32	5,307.22	Disbursed	ODA	Grant	Adaptation	Health	
Ruanda / Bilateral programme/contribution	240,000.00	266,064.00	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Saharai, Población / Bilateral programme/contribution	6,694.44	7,421.46	Disbursed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Saharai, Población / Bilateral programme/contribution	249,860.00	276,994.80	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Saharai, Población / Bilateral programme/contribution	8,699.99	9,644.80	Disbursed	ODA	Grant	Cross-cutting	Health	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, h, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{f, 2}							
	European euro - EUR	USD						
Saharai, Población / Bilateral programme/contribution	3,764.85	4,173.71	Disbursed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Saharai, Población / Bilateral programme/contribution	999.90	1,108.49	Disbursed	ODA	Grant	Mitigation	Education	
Saharai, Población / Bilateral programme/contribution	5,138.33	5,696.35	Disbursed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Saharai, Población / Bilateral programme/contribution	1,790.50	1,984.95	Disbursed	ODA	Grant	Mitigation	Other (Disaster risk reduction)	
Senegal / Bilateral programme/contribution	626,625.33	694,676.84	Disbursed	ODA	Grant	Adaptation	Agriculture	
Senegal / Bilateral programme/contribution	33,655.15	37,310.09	Disbursed	ODA	Grant	Adaptation	Education	
Senegal / Bilateral programme/contribution	16,827.57	18,655.05	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Senegal / Bilateral programme/contribution	13,679.00	15,164.54	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Senegal / Bilateral programme/contribution	1,427.80	1,582.86	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Senegal / Bilateral programme/contribution	16,482.15	18,272.11	Disbursed	ODA	Grant	Cross-cutting	Education	
Senegal / Bilateral programme/contribution	98,759.00	109,484.23	Disbursed	ODA	Grant	Cross-cutting	Fishery	
Senegal / Bilateral programme/contribution	12,972.25	14,381.04	Disbursed	ODA	Grant	Cross-cutting	Health	
Senegal / Bilateral programme/contribution	117,003.30	129,709.86	Disbursed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Senegal / Bilateral programme/contribution	2,493.50	2,764.29	Disbursed	ODA	Grant	Mitigation	Education	
Senegal / Bilateral programme/contribution	3,625.00	4,018.68	Disbursed	ODA	Grant	Mitigation	Energy	
Senegal / Bilateral programme/contribution	148,215.50	164,311.70	Disbursed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Senegal / Bilateral programme/contribution	200,000.00	221,720.00	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
Siria / Bilateral programme/contribution	14,816.50	16,425.57	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Tanzania / Bilateral programme/contribution	44,143.50	48,937.48	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Tanzania / Bilateral programme/contribution	14,877.93	16,493.67	Disbursed	ODA	Grant	Cross-cutting	Water and Sanitation	
Togo / Bilateral programme/contribution	8,388.35	9,299.32	Disbursed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Togo / Bilateral programme/contribution	4,869.19	5,397.98	Disbursed	ODA	Grant	Mitigation	Water and Sanitation	
Túnez / Bilateral programme/contribution	17,660.00	19,577.88	Disbursed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Túnez / Bilateral programme/contribution	237,860.00	263,691.60	Disbursed	ODA	Grant	Mitigation	Energy	
Ucrania / Bilateral programme/contribution	1,455.96	1,614.08	Disbursed	ODA	Grant	Cross-cutting	Education	
Uganda / Bilateral programme/contribution	44,615.76	49,461.03	Disbursed	ODA	Grant	Adaptation	Water and Sanitation	
Zimbabwe / Bilateral programme/contribution	175,567.10	194,633.69	Disbursed	ODA	Grant	Cross-cutting	Agriculture	
Angola / Hydropower plant	25,192,253.20	27,426,806.06	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Construction of a 120 km transmission line that will oust the energy produced by the Cambambe-Catate Hydropower Plant (4x178 MW). Project supported by the Spanish Export Credit Agency (CESCE).
South Africa / Solar power plant	5,397,303.55	5,876,044.37	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Supply and instalation of an steam generator for a solar power plant. Project supported by the Spanish Export Credit Agency (CESCE).
South Africa / Solar power plant	32,456,319.13	35,335,194.64	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Supply and instalation of metal structures for a 100 MW Concentrated Solar Power (CSP) plant. Project supported by the Spanish Export Credit Agency (CESCE).
South Africa / Solar power plant	7,537,132.55	8,205,676.21	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Supply and instalation of 12 salt interchangers for for a 100 MW Concentrated Solar Power (CSP) plant. Project supported by the Spanish Export Credit Agency (CESCE).
South Africa / Solar power plant	1,321,587.52	1,438,812.33	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Supply and instalation of 672 hydraulic units for for a 100 MW Concentrated Solar Power (CSP) plant. Project supported by the Spanish Export Credit Agency (CESCE).
Mexico / Wind Energy Project	463,421.18	504,526.64	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Gear boxes to be installed in wind mills. Project supported by the Spanish Export Credit Agency (CESCE).

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2015^d

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, 6}	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{7, 2}							
	European euro - EUR	USD						
Kenya / Wind Energy Project	74,890,623.91	81,533,422.25	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Construction of a transmission line that will oust the energy produced by the Lake Turkana Wind Farm (300 MW). Project supported by the Spanish Export Credit Agency (CESCE).
México / Wind Energy Project	132,034,803.02	143,746,290.05	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Second phase of Dominica Energía Limpia Wind Farm (100 MW). Project supported by the Spanish Export Credit Agency (CESCE).
Dominican Republic / Ozama River Water Treatment Plant	53,606,026.17	58,360,880.69	Committed	OOF	Other (Other: Export credit - pure cover)	Cross-cutting	Water and sanitation	The project consists of the EPC of a Waste Water Treatment Plant with a capacity of 60000 cubic meters/day. Project supported by the Spanish Export Credit Agency (CESCE)
Indonesia / Emergency plants	1,833,856.78	2,033,013.63	Disbursed	OOF	Concessional Loan	Adaptation	Other: Disaster Risk Reduction and Prevention	Supply of 14 emergency modules, comprising 56 towable water treatment plants for emergency situations, generators, vehicles and auxiliary elements, chemical products for treatment, construction of storage centres and provision of training services and preventive maintenance during 24 months. Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
Turkey / Wind Energy Project	6,543,600.00	7,254,234.96	Disbursed	OOF	Non-Concessional Loan	Mitigation	Energy	Complete delivery of 3 MW turbines (AW 3000), transportation, assembly, starting, and operation and maintenance service (15 years, full warranty) for the Cercikaya wind farm (Turkey). Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
Uruguay / Wind Energy Project	26,611,336.23	29,501,327.34	Disbursed	OOF	Non-Concessional Loan	Mitigation	Energy	Construction and operation under a concession regime of a 50 MW wind farm in the province of Maldonado (Uruguay). Second phase of a Project supported by the Spanish Fund for the Internationalization of Companies (FIEM). (Leveraged private finance 13.305.668 Euros)
Kenya / Wind Energy Project	13,163,887.90	14,593,486.13	Disbursed	OOF	Non-Concessional Loan	Mitigation	Energy	Construction of a transmission line that will oust the energy produced by the Lake Turkana Wind Farm (300 MW). Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
Jordania / Solar Energy Project	2,162,817.71	2,397,699.71	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Design, construction and start-up of a 3 MW photovoltaic installation connected to the distribution network. Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
Kenya / Solar Energy Project	1,546,790.69	1,714,772.16	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Rural solar electrification project to provide energy to primary and secondary schools, health centers and other public services which are far from the national energy grid. Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
Panama / Renewable Energy (hydro).	17,679,000.00	19,598,939.40	Disbursed	OOF	Equity	Mitigation	Energy	Renewable Energy (hydro). Construction and operation of 2 hydropower projects. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 332.960.000 Euros)
Chile / Renewable Energy	460,347.00	510,340.68	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Renewable energy Fund. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 63.980.000 Euros)
Multi country / Renewable Energy (solar)	110,000.00	121,946.00	Disbursed	OOF	Other (Other: Equity and Concessional Loan)	Mitigation	Energy	Renewable Energy (solar). Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 350.000 Euros)

Provision of public financial support: contribution through bilateral, regional and other channels in 2015^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c, 3}	Funding source ^{e, 4}	Financial instrument ^{e, 5}	Type of support ^{e, 6} h, 6	Sector ^{d, e, 7}	Additional information ^e
	Climate-specific ^{f, 2}							
	European euro - EUR	USD						
Uganda / Renewable Energy (hydro)	100,000.00	110,860.00	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Operation of a hydropower project. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 390.0000 Euros)
Turkey / Renewable Energy	290,000.00	321,494.00	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Financial intermediary - Renewable energy. Supported by the Spanish Company for Development Finance (COFIDES).
India / Wind Energy Project	240,000.00	266,064.00	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Construction and operation of a wind farm. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 2.420.000 Euros)
Montenegro / Wind Energy Project	170,000.00	188,462.00	Disbursed	OOF	Concessional Loan	Mitigation	Energy	Construction and operation of a wind farm. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 7.490.00 Euros)

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as disbursed and committed. Parties will provide the information for as many status categories as appropriate in the following order of priority: disbursed and committed.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h This refers to funding for activities that are cross-cutting across mitigation and adaptation.

Custom Footnotes

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e, h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Total contributions through bilateral, regional and other channels	518,997,561.78	550,124,089.10						
ÁFRICA SUBSAHARIANA, NO ESPECIFICADOS / Regional programme/contribution	1,126,032.00	1,195,845.98	Committed	ODA	Grant	Adaptation	Health	
ÁFRICA SUBSAHARIANA, NO ESPECIFICADOS / Regional programme/contribution	7,006.86	7,441.29	Committed	ODA	Grant	Adaptation	Other: not specified	
ÁFRICA SUBSAHARIANA, NO ESPECIFICADOS / Regional programme/contribution	9,838.00	10,447.96	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	65,000.00	69,030.00	Committed	ODA	Grant	Mitigation	Other (Disaster risk reduction)	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	150,000.00	159,300.00	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
AMÉRICA DEL NORTE, CENTRAL Y CARIBE, NO ESPECIFICADOS / Regional programme/contribution	68,000.00	72,216.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
AMÉRICA DEL SUR, NO ESPECIFICADOS / Regional programme/contribution	9,600.00	10,195.20	Committed	ODA	Grant	Cross-cutting	Energy	
AMÉRICA DEL SUR, NO ESPECIFICADOS / Regional programme/contribution	40,000.00	42,480.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	67,000.00	71,154.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	483,134.28	513,088.61	Committed	ODA	Grant	Adaptation	Other: not specified	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	220,000.00	233,640.00	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	96,616.63	102,606.86	Committed	ODA	Grant	Adaptation	Other (social services and infrastructures)	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	43,007.65	45,674.12	Committed	ODA	Grant	Adaptation	Transport	
AMÉRICA, NO ESPECIFICADOS / Regional programme/contribution	11,678.59	12,402.66	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Angola / Bilateral programme/contribution	167,467.09	177,850.05	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Argelia / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Argentina / Bilateral programme/contribution	907,902.00	964,191.92	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Argentina / Bilateral programme/contribution	1,774.20	1,884.20	Committed	ODA	Grant	Cross-cutting	Health	
Argentina / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Argentina / Bilateral programme/contribution	12,900.56	13,700.40	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Benin / Bilateral programme/contribution	1,602.24	1,701.58	Committed	ODA	Grant	Cross-cutting	Agriculture	
Benin / Bilateral programme/contribution	1,500.00	1,593.00	Committed	ODA	Grant	Cross-cutting	Education	
Benin / Bilateral programme/contribution	220,150.00	233,799.30	Committed	ODA	Grant	Mitigation	Energy	
Bolivia / Bilateral programme/contribution	771,091.51	818,899.18	Committed	ODA	Grant	Adaptation	Agriculture	
Bolivia / Bilateral programme/contribution	379,149.00	402,656.24	Committed	ODA	Grant	Cross-cutting	Agriculture	
Bolivia / Bilateral programme/contribution	84,978.00	90,246.64	Committed	ODA	Grant	Mitigation	Agriculture	
Bolivia / Bilateral programme/contribution	152,189.00	161,624.72	Committed	ODA	Grant	Mitigation	Cross-cutting (Environmental Protection), Cross- cutting	
Bolivia / Bilateral programme/contribution	135,065.00	143,439.03	Committed	ODA	Grant	Cross-cutting	Education	
Bolivia / Bilateral programme/contribution	7,096.00	7,535.95	Committed	ODA	Grant	Cross-cutting	Energy	
Bolivia / Bilateral programme/contribution	86,860.50	92,245.85	Committed	ODA	Grant	Cross-cutting	Health	
Bolivia / Bilateral programme/contribution	3,500.00	3,717.00	Committed	ODA	Grant	Mitigation	Health	
Bolivia / Bilateral programme/contribution	11,380.00	12,085.56	Committed	ODA	Grant	Cross-cutting	Industry	
Bolivia / Bilateral programme/contribution	5,900.00	6,265.80	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Bolivia / Bilateral programme/contribution	578,957.63	614,853.00	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Bolivia / Bilateral programme/contribution	86,860.50	92,245.85	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Bolivia / Bilateral programme/contribution	47,490.50	50,434.91	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Bolivia / Bilateral programme/contribution	2,702.16	2,869.69	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Bolivia / Bilateral programme/contribution	325,923.10	346,130.33	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Bolivia / Bilateral programme/contribution	130,471.47	138,560.70	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Bolivia / Bilateral programme/contribution	51,367.61	54,552.40	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Brasil / Bilateral programme/contribution	11,696.42	12,421.59	Committed	ODA	Grant	Adaptation	Agriculture	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^a
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Brasil / Bilateral programme/contribution	7,728.48	8,207.65	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Brasil / Bilateral programme/contribution	20,660.20	21,941.13	Committed	ODA	Grant	Cross-cutting	Education	
Brasil / Bilateral programme/contribution	26,343.25	27,976.53	Committed	ODA	Grant	Mitigation	Fishery	
Brasil / Bilateral programme/contribution	36,000.00	38,232.00	Committed	ODA	Grant	Cross-cutting	Forestry	
Brasil / Bilateral programme/contribution	7,509.39	7,974.98	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Burkina Faso / Bilateral programme/contribution	4,530.00	4,810.86	Committed	ODA	Grant	Cross-cutting	Agriculture	
Burkina Faso / Bilateral programme/contribution	146,389.20	155,465.33	Committed	ODA	Grant	Adaptation	Education	
Burkina Faso / Bilateral programme/contribution	4,665.00	4,954.23	Committed	ODA	Grant	Cross-cutting	Education	
Burkina Faso / Bilateral programme/contribution	1,593.00	1,691.77	Committed	ODA	Grant	Cross-cutting	Other (Communications)	
Burkina Faso / Bilateral programme/contribution	17,773.99	18,875.98	Committed	ODA	Grant	Adaptation	Other (social services and	
Burkina Faso / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Burkina Faso / Bilateral programme/contribution	596,517.60	633,501.69	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Burkina Faso / Bilateral programme/contribution	19,725.99	20,949.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Burundi / Bilateral programme/contribution	8,991.00	9,548.44	Committed	ODA	Grant	Mitigation	Agriculture	
Burundi / Bilateral programme/contribution	106,857.00	113,482.13	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Cabo Verde / Bilateral programme/contribution	115,000.00	122,130.00	Committed	ODA	Grant	Mitigation	Energy	
Cabo Verde / Bilateral programme/contribution	14,547.80	15,449.76	Committed	ODA	Grant	Adaptation	Industry	
Cabo Verde / Bilateral programme/contribution	43,643.40	46,349.29	Committed	ODA	Grant	Adaptation	Other (Business services)	
Cabo Verde / Bilateral programme/contribution	14,547.80	15,449.76	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Cabo Verde / Bilateral programme/contribution	51,000.00	54,162.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Chad / Bilateral programme/contribution	100,000.00	106,200.00	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Chile / Bilateral programme/contribution	3,326.31	3,532.54	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Chile / Bilateral programme/contribution	1,602.24	1,701.58	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Chile / Bilateral programme/contribution	150,000.00	159,300.00	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Chile / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Colombia / Bilateral programme/contribution	46,365.74	49,240.41	Committed	ODA	Grant	Cross-cutting	Agriculture	
Colombia / Bilateral programme/contribution	11,981.42	12,724.26	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Colombia / Bilateral programme/contribution	3,548.40	3,768.40	Committed	ODA	Grant	Mitigation	Cross-cutting (Environmental Protection)	
Colombia / Bilateral programme/contribution	14,830.00	15,749.46	Committed	ODA	Grant	Cross-cutting	Health	
Colombia / Bilateral programme/contribution	2,451.24	2,603.22	Committed	ODA	Grant	Cross-cutting	Industry	
Colombia / Bilateral programme/contribution	6,016.28	6,389.29	Committed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Colombia / Bilateral programme/contribution	7,238.00	7,686.76	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Colombia / Bilateral programme/contribution	9,111.62	9,676.54	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Colombia / Bilateral programme/contribution	38,700.00	41,099.40	Committed	ODA	Grant	Cross-cutting	Tourism	
Colombia / Bilateral programme/contribution	2,650.87	2,815.22	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Congo, Rep. / Bilateral programme/contribution	1,797.51	1,908.96	Committed	ODA	Grant	Cross-cutting	Agriculture	
Congo, Rep. / Bilateral programme/contribution	11,086.81	11,774.19	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Congo, Rep. Dem. / Bilateral programme/contribution	12,490.00	13,264.38	Committed	ODA	Grant	Cross-cutting	Agriculture	
Costa de Marfil / Bilateral programme/contribution	5,778.17	6,136.42	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Costa Rica / Bilateral programme/contribution	8,372.08	8,891.15	Committed	ODA	Grant	Cross-cutting	Agriculture	
Costa Rica / Bilateral programme/contribution	2,465.00	2,617.83	Committed	ODA	Grant	Cross-cutting	Education	
Costa Rica / Bilateral programme/contribution	1,301.82	1,382.53	Committed	ODA	Grant	Cross-cutting	Industry	
Costa Rica / Bilateral programme/contribution	1,768.33	1,877.97	Committed	ODA	Grant	Cross-cutting	Other (Communications)	
Costa Rica / Bilateral programme/contribution	160,000.00	169,920.00	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Costa Rica / Bilateral programme/contribution	2,248.56	2,387.97	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Cuba / Bilateral programme/contribution	235,360.20	249,952.53	Committed	ODA	Grant	Cross-cutting	Agriculture	
Cuba / Bilateral programme/contribution	5,107.14	5,423.78	Committed	ODA	Grant	Cross-cutting	Education	
Cuba / Bilateral programme/contribution	87,684.00	93,120.41	Committed	ODA	Grant	Cross-cutting	Energy	
Cuba / Bilateral programme/contribution	279,259.00	296,573.06	Committed	ODA	Grant	Mitigation	Energy	
Cuba / Bilateral programme/contribution	10,931.16	11,608.89	Committed	ODA	Grant	Cross-cutting	Forestry	
Cuba / Bilateral programme/contribution	39,226.70	41,658.76	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Cuba / Bilateral programme/contribution	129,003.86	137,002.10	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Cuba / Bilateral programme/contribution	9,405.00	9,988.11	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Dominicana, Rep. / Bilateral programme/contribution	201,662.00	214,165.04	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Dominicana, Rep. / Bilateral programme/contribution	33,600.00	35,683.20	Committed	ODA	Grant	Cross-cutting	Education	
Dominicana, Rep. / Bilateral programme/contribution	7,822.90	8,307.92	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Dominicana, Rep. / Bilateral programme/contribution	1,648.39	1,750.59	Committed	ODA	Grant	Cross-cutting	Other (Communications)	
Dominicana, Rep. / Bilateral programme/contribution	2,774.52	2,946.54	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Dominicana, Rep. / Bilateral programme/contribution	136,800.00	145,281.60	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Dominicana, Rep. / Bilateral programme/contribution	5,186.00	5,507.53	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Ecuador / Bilateral programme/contribution	20,676.10	21,958.02	Committed	ODA	Grant	Adaptation	Agriculture	
Ecuador / Bilateral programme/contribution	1,865.00	1,980.63	Committed	ODA	Grant	Cross-cutting	Agriculture	
Ecuador / Bilateral programme/contribution	29,877.40	31,729.80	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Ecuador / Bilateral programme/contribution	179,088.01	190,191.47	Committed	ODA	Grant	Adaptation	Education	
Ecuador / Bilateral programme/contribution	1,905.73	2,023.89	Committed	ODA	Grant	Cross-cutting	Education	
Ecuador / Bilateral programme/contribution	9,030.04	9,589.90	Committed	ODA	Grant	Adaptation	Energy	
Ecuador / Bilateral programme/contribution	212,496.90	225,671.71	Committed	ODA	Grant	Cross-cutting	Energy	
Ecuador / Bilateral programme/contribution	400,000.00	424,800.00	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Ecuador / Bilateral programme/contribution	3,065.00	3,255.03	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Ecuador / Bilateral programme/contribution	169,740.00	180,263.88	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Ecuador / Bilateral programme/contribution	294,385.23	312,637.11	Committed	ODA	Grant	Adaptation	Other (Infrastructure)	
Ecuador / Bilateral programme/contribution	153,543.72	163,063.43	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Ecuador / Bilateral programme/contribution	8,232.00	8,742.38	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Ecuador / Bilateral programme/contribution	189,031.37	200,751.31	Committed	ODA	Grant	Adaptation	Tourism	
Ecuador / Bilateral programme/contribution	298,051.00	316,530.16	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Egipto / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
El Salvador / Bilateral programme/contribution	331,814.00	352,386.47	Committed	ODA	Grant	Adaptation	Agriculture	
El Salvador / Bilateral programme/contribution	59,999.88	63,719.87	Committed	ODA	Grant	Mitigation	Agriculture	
El Salvador / Bilateral programme/contribution	55,722.07	59,176.83	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
El Salvador / Bilateral programme/contribution	9,000.00	9,558.00	Committed	ODA	Grant	Adaptation	Education	
El Salvador / Bilateral programme/contribution	7,938.00	8,430.16	Committed	ODA	Grant	Cross-cutting	Education	
El Salvador / Bilateral programme/contribution	200,000.00	212,400.00	Committed	ODA	Grant	Adaptation	Fishery	
El Salvador / Bilateral programme/contribution	74,296.09	78,902.45	Committed	ODA	Grant	Cross-cutting	Health	
El Salvador / Bilateral programme/contribution	231,199.07	245,533.41	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
El Salvador / Bilateral programme/contribution	74,075.00	78,667.65	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
El Salvador / Bilateral programme/contribution	173,677.00	184,444.97	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
El Salvador / Bilateral programme/contribution	6,684.37	7,098.80	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
El Salvador / Bilateral programme/contribution	5,538.00	5,881.36	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
El Salvador / Bilateral programme/contribution	6,599.23	7,008.38	Committed	ODA	Grant	Cross-cutting	Other (social services and	
El Salvador / Bilateral programme/contribution	5,100.00	5,416.20	Committed	ODA	Grant	Adaptation	Tourism	
El Salvador / Bilateral programme/contribution	1,253,269.79	1,330,972.52	Committed	ODA	Grant	Adaptation	Water and Sanitation	
El Salvador / Bilateral programme/contribution	373,330.76	396,477.27	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Etiopia / Bilateral programme/contribution	500,000.00	531,000.00	Committed	ODA	Grant	Adaptation	Agriculture	
Etiopia / Bilateral programme/contribution	4,248.75	4,512.18	Committed	ODA	Grant	Cross-cutting	Agriculture	
Etiopia / Bilateral programme/contribution	9,151.61	9,719.01	Committed	ODA	Grant	Cross-cutting	Energy	
Etiopia / Bilateral programme/contribution	1,000,000.00	1,062,000.00	Committed	ODA	Grant	Adaptation	Health	
Etiopia / Bilateral programme/contribution	3,817.24	4,053.91	Committed	ODA	Grant	Cross-cutting	Health	
Etiopia / Bilateral programme/contribution	75,782.40	80,480.91	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Etiopia / Bilateral programme/contribution	79,571.52	84,504.95	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Etiopia / Bilateral programme/contribution	148,872.36	158,102.45	Committed	ODA	Grant	Cross-cutting	Other (Infrastructure)	
Etiopia / Bilateral programme/contribution	4,496.29	4,775.06	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Etiopia / Bilateral programme/contribution	4,750.00	5,044.50	Committed	ODA	Grant	Adaptation	Other (social services and	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Etiopia / Bilateral programme/contribution	81,461.76	86,512.39	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Etiopia / Bilateral programme/contribution	452,592.48	480,653.21	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
EUROPA, NO ESPECIFICADOS / Bilateral programme/contribution	36,939.00	39,229.22	Committed	ODA	Grant	Cross-cutting	Other: not specified	
EUROPA, NO ESPECIFICADOS / Bilateral programme/contribution	12,401.53	13,170.42	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
EUROPA, NO ESPECIFICADOS / Bilateral programme/contribution	7,980.00	8,474.76	Committed	ODA	Grant	Cross-cutting	Other (social services and infrastructures)	
Filipinas / Bilateral programme/contribution	1,500.00	1,593.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Filipinas / Bilateral programme/contribution	300,000.00	318,600.00	Committed	ODA	Grant	Adaptation	Fishery	
Filipinas / Bilateral programme/contribution	93,368.80	99,157.67	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Filipinas / Bilateral programme/contribution	197,567.96	209,817.17	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Filipinas / Bilateral programme/contribution	88,033.44	93,491.51	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Filipinas / Bilateral programme/contribution	26,676.80	28,330.76	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Filipinas / Bilateral programme/contribution	58,688.96	62,327.68	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Gambia / Bilateral programme/contribution	2,233.75	2,372.24	Committed	ODA	Grant	Adaptation	Health	
Gambia / Bilateral programme/contribution	1,928.22	2,047.77	Committed	ODA	Grant	Adaptation	Other: not specified	
Ghana / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Ghana / Bilateral programme/contribution	1,589.31	1,687.85	Committed	ODA	Grant	Cross-cutting	Other (Communications)	
Guatemala / Bilateral programme/contribution	468,647.91	497,704.08	Committed	ODA	Grant	Adaptation	Agriculture	
Guatemala / Bilateral programme/contribution	139,099.88	147,724.07	Committed	ODA	Grant	Mitigation	Agriculture	
Guatemala / Bilateral programme/contribution	2,134.37	2,266.70	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Guatemala / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Education	
Guatemala / Bilateral programme/contribution	6,130.00	6,510.06	Committed	ODA	Grant	Cross-cutting	Energy	
Guatemala / Bilateral programme/contribution	5,142.04	5,460.85	Committed	ODA	Grant	Adaptation	Health	
Guatemala / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Industry	
Guatemala / Bilateral programme/contribution	545,499.61	579,320.59	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Guatemala / Bilateral programme/contribution	3,065.00	3,255.03	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Guatemala / Bilateral programme/contribution	524,249.96	556,753.46	Committed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Guatemala / Bilateral programme/contribution	206,506.68	219,310.09	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Guatemala / Bilateral programme/contribution	53,755.80	57,088.66	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Guatemala / Bilateral programme/contribution	54,996.22	58,405.99	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Guatemala / Bilateral programme/contribution	6,427.14	6,825.62	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Guatemala / Bilateral programme/contribution	371,368.24	394,393.07	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Guatemala / Bilateral programme/contribution	54,301.12	57,667.79	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Guatemala / Bilateral programme/contribution	41,000.00	43,542.00	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Guinea-Bissau / Bilateral programme/contribution	295,223.00	313,526.83	Committed	ODA	Grant	Mitigation	Forestry	
Guinea-Bissau / Bilateral programme/contribution	3,670.00	3,897.54	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Haiti / Bilateral programme/contribution	434,991.08	461,960.53	Committed	ODA	Grant	Adaptation	Agriculture	
Haiti / Bilateral programme/contribution	401,072.46	425,938.95	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Haiti / Bilateral programme/contribution	40,000.00	42,480.00	Committed	ODA	Grant	Mitigation	Other (Disaster risk reduction)	
Haiti / Bilateral programme/contribution	155,721.26	165,375.98	Committed	ODA	Grant	Adaptation	Other (Infrastructure)	
Honduras / Bilateral programme/contribution	29,681.20	31,521.43	Committed	ODA	Grant	Cross-cutting	Agriculture	
Honduras / Bilateral programme/contribution	2,665.00	2,830.23	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Honduras / Bilateral programme/contribution	9,500.00	10,089.00	Committed	ODA	Grant	Cross-cutting	Health	
Honduras / Bilateral programme/contribution	226,068.00	240,084.22	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Honduras / Bilateral programme/contribution	49,500.00	52,569.00	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Honduras / Bilateral programme/contribution	86,355.00	91,709.01	Committed	ODA	Grant	Adaptation	Other (Food Security)	
Honduras / Bilateral programme/contribution	99,671.00	105,850.60	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Honduras / Bilateral programme/contribution	301,871.44	320,587.47	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Honduras / Bilateral programme/contribution	4,770.00	5,065.74	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
India / Bilateral programme/contribution	75,000.00	79,650.00	Committed	ODA	Grant	Adaptation	Agriculture	
India / Bilateral programme/contribution	69,573.33	73,886.88	Committed	ODA	Grant	Cross-cutting	Agriculture	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
India / Bilateral programme/contribution	2,465.00	2,617.83	Committed	ODA	Grant	Cross-cutting	Health	
India / Bilateral programme/contribution	6,153.50	6,535.02	Committed	ODA	Grant	Mitigation	Other (social services and	
Jordania / Bilateral programme/contribution	1,797.51	1,908.96	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Jordania / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Kenia / Bilateral programme/contribution	2,600.00	2,761.20	Committed	ODA	Grant	Cross-cutting	Energy	
Kenia / Bilateral programme/contribution	2,753.00	2,923.69	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Libano / Bilateral programme/contribution	2,935,974.00	3,118,004.39	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Libano / Bilateral programme/contribution	6,562.00	6,968.84	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Libano / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Libia / Bilateral programme/contribution	3,430.00	3,642.66	Committed	ODA	Grant	Mitigation	Education	
Libia / Bilateral programme/contribution	9,000.00	9,558.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Mali / Bilateral programme/contribution	763,973.40	811,339.75	Committed	ODA	Grant	Adaptation	Agriculture	
Mali / Bilateral programme/contribution	322,134.00	342,106.31	Committed	ODA	Grant	Cross-cutting	Agriculture	
Mali / Bilateral programme/contribution	2,355.20	2,501.22	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Mali / Bilateral programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Cross-cutting	Energy	
Mali / Bilateral programme/contribution	204,898.95	217,602.68	Committed	ODA	Grant	Adaptation	Health	
Mali / Bilateral programme/contribution	197,260.00	209,490.12	Committed	ODA	Grant	Mitigation	Health	
Mali / Bilateral programme/contribution	1,349,938.00	1,433,634.16	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Mali / Bilateral programme/contribution	257,154.07	273,097.62	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Mali / Bilateral programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Marruecos / Bilateral programme/contribution	7,543.20	8,010.88	Committed	ODA	Grant	Cross-cutting	Education	
Marruecos / Bilateral programme/contribution	410,432.00	435,878.78	Committed	ODA	Grant	Mitigation	Energy	
Marruecos / Bilateral programme/contribution	258,346.14	274,363.60	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Marruecos / Bilateral programme/contribution	5,028.80	5,340.59	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Marruecos / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Mauritania / Bilateral programme/contribution	368,208.00	391,036.90	Committed	ODA	Grant	Cross-cutting	Agriculture	
Mauritania / Bilateral programme/contribution	10,699.64	11,363.02	Committed	ODA	Grant	Adaptation	Other: not specified	
MEDITERRÁNEO, NO ESPECIFICADOS / Regional programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
México / Bilateral programme/contribution	5,185.92	5,507.44	Committed	ODA	Grant	Adaptation	Agriculture	
México / Bilateral programme/contribution	3,522.60	3,741.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
México / Bilateral programme/contribution	14,756.00	15,670.87	Committed	ODA	Grant	Cross-cutting	Energy	
México / Bilateral programme/contribution	10,000.00	10,620.00	Committed	ODA	Grant	Mitigation	Energy	
México / Bilateral programme/contribution	28,155.83	29,901.49	Committed	ODA	Grant	Adaptation	Other: not specified	
México / Bilateral programme/contribution	13,846.81	14,705.31	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
México / Bilateral programme/contribution	2,593.20	2,753.98	Committed	ODA	Grant	Cross-cutting	Tourism	
México / Bilateral programme/contribution	2,800.00	2,973.60	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Mozambique / Bilateral programme/contribution	149,041.85	158,282.44	Committed	ODA	Grant	Adaptation	Agriculture	
Mozambique / Bilateral programme/contribution	251,845.00	267,459.39	Committed	ODA	Grant	Cross-cutting	Agriculture	
Mozambique / Bilateral programme/contribution	3,200.00	3,398.40	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Mozambique / Bilateral programme/contribution	14,294.00	15,180.23	Committed	ODA	Grant	Cross-cutting	Health	
Mozambique / Bilateral programme/contribution	298,671.49	317,189.12	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
Mozambique / Bilateral programme/contribution	6,098.39	6,476.49	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Mozambique / Bilateral programme/contribution	153,303.76	162,808.59	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Mozambique / Bilateral programme/contribution	1,600.00	1,699.20	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Namibia / Bilateral programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Namibia / Bilateral programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Nepal / Bilateral programme/contribution	2,465.00	2,617.83	Committed	ODA	Grant	Cross-cutting	Education	
Nepal / Bilateral programme/contribution	9,895.00	10,508.49	Committed	ODA	Grant	Cross-cutting	Other (Infrastructure)	
Nepal / Bilateral programme/contribution	2,233.75	2,372.24	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Nicaragua / Bilateral programme/contribution	639,783.72	679,450.31	Committed	ODA	Grant	Adaptation	Agriculture	
Nicaragua / Bilateral programme/contribution	68,354.06	72,592.01	Committed	ODA	Grant	Cross-cutting	Agriculture	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e, h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Nicaragua / Bilateral programme/contribution	150,000.00	159,300.00	Committed	ODA	Grant	Mitigation	Agriculture	
Nicaragua / Bilateral programme/contribution	2,999.06	3,185.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Nicaragua / Bilateral programme/contribution	5,938.00	6,306.16	Committed	ODA	Grant	Adaptation	Education	
Nicaragua / Bilateral programme/contribution	8,177.14	8,684.12	Committed	ODA	Grant	Cross-cutting	Energy	
Nicaragua / Bilateral programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Mitigation	Other: not specified	
Nicaragua / Bilateral programme/contribution	134,975.70	143,344.19	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Nicaragua / Bilateral programme/contribution	36,420.75	38,678.84	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Nicaragua / Bilateral programme/contribution	19,795.51	21,022.83	Committed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Nicaragua / Bilateral programme/contribution	320,558.49	340,433.12	Committed	ODA	Grant	Adaptation	Other (Food Security)	
Nicaragua / Bilateral programme/contribution	20,000.00	21,240.00	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Nicaragua / Bilateral programme/contribution	400,000.00	424,800.00	Committed	ODA	Grant	Adaptation	Other (social services and	
Nicaragua / Bilateral programme/contribution	92,412.67	98,142.26	Committed	ODA	Grant	Cross-cutting	Tourism	
Nicaragua / Bilateral programme/contribution	952,744.23	1,011,814.37	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Nicaragua / Bilateral programme/contribution	197,947.16	210,219.88	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Nicaragua / Bilateral programme/contribution	53,414.39	56,726.08	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Niger / Bilateral programme/contribution	714,810.00	759,128.22	Committed	ODA	Grant	Adaptation	Agriculture	
Niger / Bilateral programme/contribution	1,301.82	1,382.53	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Niger / Bilateral programme/contribution	1,200,000.00	1,274,400.00	Committed	ODA	Grant	Adaptation	Health	
Niger / Bilateral programme/contribution	1,000,000.00	1,062,000.00	Committed	ODA	Grant	Adaptation	Other (Food Security)	
NORTE DE ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	123,480.00	131,135.76	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
NORTE DE ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	107,541.69	114,209.27	Committed	ODA	Grant	Adaptation	Fishery	
NORTE DE ÁFRICA, NO ESPECIFICADOS / Regional programme/contribution	50,000.00	53,100.00	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
ORIENTE MEDIO, NO ESPECIFICADOS / Regional programme/contribution	13,226.22	14,046.25	Committed	ODA	Grant	Adaptation	Other (multisectorial)	
PAÍSES DE LA CARICOM, NO ESPECIFICADOS / Regional programme/contribution	200,000.00	212,400.00	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution		0.00	Committed	ODA	Concessional Loan	Cross-cutting	Agriculture	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	45,000.00	47,790.00	Committed	ODA	Grant	Mitigation	Agriculture	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	961,833.66	1,021,467.35	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	8,640.00	9,175.68	Committed	ODA	Grant	Cross-cutting	Education	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	6,500.00	6,903.00	Committed	ODA	Grant	Cross-cutting	Energy	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	16,000,000.00	16,992,000.00	Committed	ODA	Grant	Adaptation	Health	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	133,389.58	141,659.73	Committed	ODA	Grant	Adaptation	Other: not specified	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	285,160.06	302,839.98	Committed	ODA	Grant	Cross-cutting	Other: not specified	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	2,000,000.00	2,124,000.00	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	15,618.00	16,586.32	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	1,100,000.00	1,168,200.00	Committed	ODA	Grant	Adaptation	Water and Sanitation	
PAÍSES EN VÍAS DE DESARROLLO, NO ESPECIFICADOS / Regional programme/contribution	538,542.00	571,931.60	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Pakistán / Bilateral programme/contribution	150,000.00	159,300.00	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Palestina / Bilateral programme/contribution	918,562.47	975,513.34	Committed	ODA	Grant	Adaptation	Agriculture	
Palestina / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Panamá / Bilateral programme/contribution	2,999.06	3,185.00	Committed	ODA	Grant	Cross-cutting	Other (Civil Society and Governance)	
Panamá / Bilateral programme/contribution	1,602.24	1,701.58	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Paraguay / Bilateral programme/contribution	219,020.90	232,600.20	Committed	ODA	Grant	Adaptation	Agriculture	
Paraguay / Bilateral programme/contribution	1,000.00	1,062.00	Committed	ODA	Grant	Cross-cutting	Agriculture	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^a
	Climate-specific ^{1,2}							
	European euro - EUR	USD						
Paraguay / Bilateral programme/contribution	156,839.33	166,563.37	Committed	ODA	Grant	Mitigation	Agriculture	
Paraguay / Bilateral programme/contribution	2,265.00	2,405.43	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Paraguay / Bilateral programme/contribution	93,866.10	99,685.80	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Paraguay / Bilateral programme/contribution	131,848.83	140,023.46	Committed	ODA	Grant	Adaptation	Other (Infrastructure)	
Paraguay / Bilateral programme/contribution	8,400.00	8,920.80	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Perú / Bilateral programme/contribution	124,068.00	131,760.22	Committed	ODA	Grant	Adaptation	Agriculture	
Perú / Bilateral programme/contribution	1,207,933.35	1,282,825.22	Committed	ODA	Grant	Cross-cutting	Agriculture	
Perú / Bilateral programme/contribution	18,000.00	19,116.00	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Perú / Bilateral programme/contribution	23,829.64	25,307.08	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Perú / Bilateral programme/contribution	2,298.04	2,440.52	Committed	ODA	Grant	Cross-cutting	Energy	
Perú / Bilateral programme/contribution	5,900.08	6,265.88	Committed	ODA	Grant	Adaptation	Forestry	
Perú / Bilateral programme/contribution	3,065.00	3,255.03	Committed	ODA	Grant	Cross-cutting	Industry	
Perú / Bilateral programme/contribution	5,704.22	6,057.88	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Perú / Bilateral programme/contribution	9,129.06	9,695.06	Committed	ODA	Grant	Cross-cutting	Other (Commercial policies)	
Perú / Bilateral programme/contribution	27,528.36	29,235.12	Committed	ODA	Grant	Cross-cutting	Other (Communications)	
Perú / Bilateral programme/contribution	268,451.17	285,095.14	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Perú / Bilateral programme/contribution	13,640.00	14,485.68	Committed	ODA	Grant	Adaptation	Other (Infrastructure)	
Perú / Bilateral programme/contribution	42,918.11	45,579.03	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Perú / Bilateral programme/contribution	9,431.06	10,015.79	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Ruanda / Bilateral programme/contribution	10,188.17	10,819.84	Committed	ODA	Grant	Adaptation	Education	
Ruanda / Bilateral programme/contribution	2,233.75	2,372.24	Committed	ODA	Grant	Adaptation	Health	
Saharawi, Población / Bilateral programme/contribution	74,824.50	79,463.62	Committed	ODA	Grant	Cross-cutting	Agriculture	
Saharawi, Población / Bilateral programme/contribution	13,488.98	14,325.30	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Saharawi, Población / Bilateral programme/contribution	74,824.50	79,463.62	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Saharawi, Población / Bilateral programme/contribution	5,291.85	5,619.94	Committed	ODA	Grant	Mitigation	Other (Civil Society and Governance)	
Saharawi, Población / Bilateral programme/contribution	2,500.00	2,655.00	Committed	ODA	Grant	Adaptation	Other (Communications)	
Saharawi, Población / Bilateral programme/contribution	99,766.00	105,951.49	Committed	ODA	Grant	Cross-cutting	Other (Food Security)	
Senegal / Bilateral programme/contribution	2,163,203.61	2,297,322.23	Committed	ODA	Grant	Adaptation	Agriculture	
Senegal / Bilateral programme/contribution	3,100.00	3,292.20	Committed	ODA	Grant	Cross-cutting	Agriculture	
Senegal / Bilateral programme/contribution	8,317.00	8,832.65	Committed	ODA	Grant	Adaptation	Cross-cutting (Environmental Protection)	
Senegal / Bilateral programme/contribution	23,901.54	25,383.44	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Senegal / Bilateral programme/contribution	10,592.97	11,249.73	Committed	ODA	Grant	Adaptation	Education	
Senegal / Bilateral programme/contribution	5,400.00	5,734.80	Committed	ODA	Grant	Cross-cutting	Education	
Senegal / Bilateral programme/contribution	44,922.04	47,707.21	Committed	ODA	Grant	Adaptation	Fishery	
Senegal / Bilateral programme/contribution	143,489.12	152,385.45	Committed	ODA	Grant	Adaptation	Health	
Senegal / Bilateral programme/contribution	3,258.96	3,461.02	Committed	ODA	Grant	Adaptation	Other: not specified	
Senegal / Bilateral programme/contribution	243,955.00	259,080.21	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Senegal / Bilateral programme/contribution	2,398.35	2,547.05	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Senegal / Bilateral programme/contribution	476,985.33	506,558.42	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Senegal / Bilateral programme/contribution	299,786.65	318,373.42	Committed	ODA	Grant	Mitigation	Water and Sanitation	
Sierra Leona / Bilateral programme/contribution	6,216.00	6,601.39	Committed	ODA	Grant	Cross-cutting	Other (social services and	
Siria / Bilateral programme/contribution	3,000.00	3,186.00	Committed	ODA	Grant	Cross-cutting	Other (Disaster risk reduction)	
Siria / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Tanzania / Bilateral programme/contribution	298,336.00	316,832.83	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Tanzania / Bilateral programme/contribution	7,818.24	8,302.97	Committed	ODA	Grant	Cross-cutting	Water and Sanitation	
Togo / Bilateral programme/contribution	4,236.65	4,499.32	Committed	ODA	Grant	Adaptation	Agriculture	
Togo / Bilateral programme/contribution	12,419.96	13,190.00	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Túnez / Bilateral programme/contribution	12,342.82	13,108.07	Committed	ODA	Grant	Mitigation	Education	
Túnez / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{e,4}	Financial instrument ^{e,5}	Type of support ^{e,h,6}	Sector ^{d,6,7}	Additional information ^a
	Climate-specific ^{d,2}							
	European euro - EUR	USD						
Turquia / Bilateral programme/contribution	65,000.00	69,030.00	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Turquia / Bilateral programme/contribution	3,530.40	3,749.28	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Ucrania / Bilateral programme/contribution	1,995.00	2,118.69	Committed	ODA	Grant	Cross-cutting	Other: not specified	
Uruguay / Bilateral programme/contribution	110,000.00	116,820.00	Committed	ODA	Grant	Adaptation	Other (Civil Society and Governance)	
Uruguay / Bilateral programme/contribution	87,100.00	92,500.20	Committed	ODA	Grant	Adaptation	Other (Disaster risk reduction)	
Uruguay / Bilateral programme/contribution	42,900.00	45,559.80	Committed	ODA	Grant	Adaptation	Water and Sanitation	
Uzbekistán / Bilateral programme/contribution	4,909.80	5,214.21	Committed	ODA	Grant	Mitigation	Education	
Venezuela / Bilateral programme/contribution	7,309.98	7,763.20	Committed	ODA	Grant	Cross-cutting	Cross-cutting (Environmental Protection)	
Venezuela / Bilateral programme/contribution	4,727.63	5,020.74	Committed	ODA	Grant	Cross-cutting	Other (multisectorial)	
Zimbabwe / Bilateral programme/contribution	6,000.00	6,372.00	Committed	ODA	Grant	Cross-cutting	Agriculture	
Turkey/Tokat / Wind Energy Project	11,830,985.92	12,471,042.26	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Wind farm consisting of 7 wind mills of a capacity of 2,1 MW/each. Project supported by the Spanish Export Credit Agency (CESCE).
Turkey/Sivas / Wind Energy Project	11,830,985.92	12,471,042.26	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Wind farm consisting of 7 wind mills of a capacity of 2,1 MW/each. Project supported by the Spanish Export Credit Agency (CESCE).
Turkey/Sivas / Wind Energy Project	10,140,845.14	10,689,464.86	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Wind farm consisting of 6 wind mills of a capacity of 2,1 MW/each. Project supported by the Spanish Export Credit Agency (CESCE).
Turkey/Kayseri / Wind Energy Project	44,246,382.03	46,640,111.30	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Wind farm with a total installed capacity of 82,5 MW. Project supported by the Spanish Export Credit Agency (CESCE).
Angola/Lauca / Hydroelectric project	147,786,884.51	155,782,154.96	Committed	OOF	Other (Other: Export credit - pure cover)	Mitigation	Energy	Lauca hydro electric power plant (2.000 MW installed capacity). Project supported by the Spanish Export Credit Agency (CESCE).
Indonesia (Medan/Jakarta/Surabaya/Makasar) / Water treatment project for natural disasters	6,979,739.37	7,357,343.27	Committed	OOF	Other (Other: Export credit - pure cover)	Adaptation	Water	14 small scale water treatment plants for emergency relief scenarios triggered by natural disasters. Project supported by the Spanish Export Credit Agency (CESCE).
Latinamerican region / Fund for renewable energy projects	5,000,000.00	5,543,000.00	Committed	OOF	Equity	Mitigation	Crosscutting	Fund for renewable energy projects. Supported by the Spanish Company for Development Finance (COFIDES).
PERÚ / Renewable energy. Hydro plant.	280,000.00	321,176.47	Committed	OOF	Concessional Loan	Mitigation	Energy	Renewable energy. Hydro plant. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 260.599)
UGANDA / Renewable energy. Hydro plant.	190,000.00	203,746.10	Committed	OOF	Concessional loan	Mitigation	Energy	Renewable energy. Hydro plant. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 280.587)
HONDURAS / Renewable energy. Solar plant	910,000.00	1,111,111.00	Committed	OOF	Concessional Loan	Mitigation	Energy	Renewable energy. Solar plant. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 2.084.525)
INDIA / Energy. Transmission line.	7,900,000.00	8,757,940.00	Committed	OOF	Concessional Loan	Mitigation	Energy	Energy. Transmission line. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 521.977.215)
CHINA / Renewable energy. Solar. Panel manufacture	350,000.00	388,010.00	Committed	OOF	Concessional Loan	Mitigation	Energy	Renewable energy. Solar. Panel manufacture. Supported by the Spanish Company for Development Finance (COFIDES). (Leveraged private finance 100.000)
DOMINICAN REPUBLIC / Irrigation system project	159,378.00	169,259.44	Committed	OOF	Non-Concessional Loan	Cross-cutting	Water and sanitation	Turnkey installation of an irrigation system through the pumping of water by means of solar photovoltaic energy. Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
ECUADOR / Metro project in Quito (line 1)	174,170,381.00	184,968,944.62	Committed	OOF	Concessional Loan	Mitigation	Transport	Supply of rolling stock for the line 1 of Quito metro project, supported by the Spanish Fund for the Internationalization of Companies (FIEM)
KENYA / Irrigation system project	6,852,738.00	7,277,607.76	Committed	OOF	Concessional Loan	Adaptation	Water and sanitation	Turnkey project for the development of an irrigation system project, supported by the Spanish Fund for the Internationalization of Companies (FIEM)

Provision of public financial support: contribution through bilateral, regional and other channels in 2016^a

Recipient country/ region/project/programme ^b	Total amount		Status ^{c,3}	Funding source ^{d,4}	Financial instrument ^{e,5}	Type of support ^{e, h,6}	Sector ^{d,6,7}	Additional information ^g
	Climate-specific ^{f,2}							
	European euro - EUR	USD						
KENIA / Electricity transmission line project	20,736,476.00	22,022,137.51	Committed	OOF	Concessional Loan	Mitigation	Energy	Turnkey construction of an electricity transmission line and its associated substations linked to a wind energy plant. Project supported by the Spanish Fund for the Internationalization of Companies (FIEM)
JORDAN / Photovoltaic installation project	3,370,000.00	3,578,940.00	Committed	OOF	Concessional Loan	Mitigation	Energy	Extension of the project for the design, construction and start-up of a 3 MW photovoltaic installation connected to the distribution network. project supported by the Spanish Fund for the Internationalization of Companies (FIEM)

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2015 and 2016, where 2018 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as disbursed and committed. Parties will provide the information for as many status categories as appropriate in the following order of priority: disbursed and committed.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h This refers to funding for activities that are cross-cutting across mitigation and adaptation.

Custom Footnotes

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Latinamerican and the Caribbean	Mitigation	Transfer of a tool developed by the Spanish Climate Change Office, called M3E (Modelling Mitigation Measures in Spain) for the design of measures and policies in different sectors	Energy, Transport, Waste, Industry, Agriculture, Forestry, Other	Public	Public	Implemented & Planned	2015-The Spanish Climate Change Office, in the framework of the Iberoamerican Network of Climate Change Offices (RIOCC) activities, organized and supported in March 2015 a regional workshop on "Tools & Methodologies for the design of INDCs". During this workshop Spain made available a domestic tool developed internally "called M3E (Modelling Mitigation Measures in Spain)" for the design of mitigation measures and policies in different sectors and will continue this technical cooperation with several countries in the regional that interested in using it. This tool consists of a mathematical model in which a series of variables for each user-defined measure and for each year are introduced in order to obtain relevant information related to costs, savings, employment, CO2 mitigation, etc. In 2016 and beyond Spain intends to support its use if countries are interested. The workshop was organized in collaboration with the Spanish Agency for International Development Cooperation (AECID) and UNDP and the participation of several international and regional organizations. More information about this workshop can be found at http://www.lariocc.es/es/actividades-capacitacion/Actividades_2015.aspx
Latinamerican and the Caribbean	Mitigation and Adaptation	Regional Gateway for Technology Transfer and Climate Change Action in Latin America and Caribbean (REGATTA project) - UNEP	Agriculture, Water , Energy, Cross-cutting and Other.	Public	Public	Implemented	2015-REGATTA's project is implemented by UNEP and supported mainly by Spain since 2010. Its main objective is to strengthen capacity and knowledge sharing of climate change technologies and experiences for adaptation and mitigation in Latin America and the Caribbean. The three main components are: on-line knowledge Platform; support and collaboration with key institutions and regional centers of knowledge and technology in the region; and specific assistance to countries on mitigation and adaptation

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Jordan	Mitigation	Integration of renewable energy on the electric grid	Energy	Public	Public	Implemented	2015-The Twinning Project "Institution Building for the National Electric Power Company (NEPCO) in Jordan" is an EU funded project implemented by the Spanish Institute for the Diversification and Saving of Energy (IDAE) and Red Electrica de España (REE). The purpose of the project is to strengthen the institutional and operative capacity of NEPCO, with regards to renewable energy integration into transmission lines load management, electricity system strategic planning and management, effective use of simulators and neighbourhood interconnected capacity. The integrated approach is focusing on capacity building and international quality standards of equipment, operation and best practice based on EU-Member States experience.
All	Mitigation	Clean Energy Ministerial - Working Group on Solar and Wind (RES potential assessment and measure the benefits of RES projects)	Energy	Public	Public	Implemented	2015-The most significant activities carried out by IDAE (Spanish Institute for the Diversification and Saving of Energy) within the Solar and Wind Group were: Global Solar and Wind Atlas, which will be extended to other technologies, such as geothermal (IDAE has provided the Spanish data), hydro and biomass; and the Renewable Energy auctions report.
Latinamerican and the Caribbean	Mitigation&Adaptation	LATIPAT database (patents)	All sectors	Public	Public and Private	Implemented	2015-The Spanish Patent and Trademark Office (OEPM), together with the World Intellectual Property Organization (WIPO) and the European Patent Office (EPO), manages this database, which contains more than 2,5 million bibliographic data, and over a million images, concerning Latin American patents. This instrument has been built up over time, since its inception in 2003, into a reference global database. Besides the database the OEPM organizes several workshops on issues related to patents and intellectual property for the Latin American and the Caribbean region.

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
All	Mitigation and Adaptation	Collaboration with Technological Platforms	All sectors	Public	Public and Private	Implemented	2015-A collaboration commitment was contracted by the Spanish Patent and Trademark Office (OEPM) with these Platforms in 2012, the aim of which is to make patent information available to companies, researchers and R&D managers so that the technology they generate is technology with value that allows financial returns and improves the competitiveness of the companies and their internationalisation. Many of these technologies are climate change relevant.
All	Mitigation and Adaptation	Technology Alerts	Energy	Public	Public and Private	Implemented	2015-Project implemented by the Spanish Patent and Trademark Office (OEPM). Technology Alerts provide up-to-date information about the most recent patents being published around the world related to a particular technical theme. The thematic areas of each Alert are established in collaboration with the Technology Platforms to ensure that they address the specific information needs of companies and public research institutions in the different technology sectors. Once a theme of interest is determined, the patent examiners establish a search strategy to enable any user to consult the Alert to find out about the latest patents published in any country in the world related to the theme in question (Geothermal Energy, Wind Power, Concentrated Solar Power, Photovoltaic Power, Biocides and plant growth regulators of biological origin, Carbon Nanomaterials, Viticulture and Enology, Fuel Cells).

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
All	Mitigation&Adaptation	Integrity of the Collection of Spanish Patents Project	All sectors	Public	Public and Private	Implemented	2015-Project implemented by the Spanish Patent and Trademark Office (OEPM). This project started in 2014 to facilitate enterprises and all users access to the entire collection of Spanish Patents and Utility Models through INVENES data base. Its main goal is to achieve that the data contained in the database are complete and updated since 1930, and that they meet the criteria of the PCT minimum documentation. For this purpose, bibliographic revision tasks as well as digitization of all memories of Patents and Utility Models of the Spanish collection have been carried out.
All	Mitigation&Adaptation	Study on Green Technologies: Spanish patents and utility models	All sectors	Public	Public and Private	Implemented	2015-Project implemented by the Spanish Patent and Trademark Office (OEPM). This study compiles the green inventions made by Spanish people from 2004 to 2014 (patents and utility models). http://www.oepm.es/comun/documentos_relacionados/Memorias_de_Actividades_y_Estadisticas/estudios_estadisticos/Tecnologias_Mitigacion_Cambio_Climatico_2004-2014.pdf
All countries (available to the public)	Mitigation&Adaptation	Technology Transfer	All sectors	Public	Public and Private	Implemented	2015-In the Spanish Patent and Trademark Office (OEPM) website general information on technology transfer is provided as well as links to different market places, including a direct link to a worldwide online marketplace for green technologies. http://www.oepm.es/es/propiedad_industrial/transferencia_de_tecnologia/Mercado_de_Tecnologia/index.html
All countries (available to the public)	Mitigation and Adaptation	Templates for Technology Transfer Agreements	All sectors	Public	Public and Private	Implemented	2015-Templates for technology transfer Agreements created by a working group established with representatives from the Higher Council for Scientific Research (CSIC), LES Spain and Portugal (LES), the Ministry of Economy and Competitiveness (MINECO), the Spanish Patent and Trademark Office (SPTO) and the World Intellectual Property Organisation (WIPO). The first templates to be completed are the "Confidentiality Agreement" and the "Agreement to Transfer Material", with their corresponding usage guides and with versions in Spanish and English. Others will follow shortly that will aim to cover all aspects of Technology Transfer.

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Mediterranean Region Countries	Adaptation	MedCOF (Mediterranean Climate Outlook Forum): Consensus probabilistic seasonal predictions of temperature and precipitation for the entire Mediterranean region.	Cross-cutting	Public	Public	Implemented	2015-In kind contributions of participants and technical support by AEMET (State Meteorology Agency in Spain).
Central and South America	Adaptation	Support to the Climate Outlook Forums of Central America and SE South America.	Cross-cutting	Public	Public	Implemented	2015-In kind contributions of participants and technical support by AEMET (State Meteorology Agency in Spain).
Countries of West Africa (Pilot project in Cape Verde, Gambia, Mauritania and Senegal)	Adaptation	MARINEMET - Transfer of marine meteorology technology for improving safety of navigation and fishing capacities	Other (Maritime navigation, fishery)	Public	Public	In transition from pilot to fully operational stage	2015-In co-operation with the Spanish Port Authority, financed by the World Meteorological Organization through Spanish contributions from the State Meteorological Agency (AEMET).
South and Central America	Adaptation	South and Central America Climate Forums.	Cross-cutting	Public	Public	Implemented	2015-In kind contributions of participants and technical support by AEMET (State Meteorology Agency in Spain).
Latinamerica and the Caribbean	Adaptation	PROHIMET	Cross-cutting	Public	Public	Implemented	2015-In kind contributions of participants and technical support by AEMET (State Meteorology Agency in Spain). http://www.prohimet.org/
India	Mitigation	Cooperation program signed between CDTI (Spanish Centre for the Development of Industrial Technology) and the Renewable Energy Ministry of INDIA (MNRE)	Energy	Public	Public	Implemented	2015-This bilateral programme between Spanish Centre for the Development of Industrial Technology (CDTI) and the Renewable Energy Ministry of INDIA (MNRE) supports different activities for cooperation projects and R&D in the field of Renewable Energies in India.

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Latin American and the Caribbean	Mitigation and Adaptation	IBEROEKA PROJECTS (support instrument for private technological cooperation in the iberoamerican region)	All sectors	Public and Private	Public and Private	Implemented	2015-The IBEROEKA projects is framed within the Ibero-American Programme for Science, Technology and Development (CYTED) supported by the Spanish Centre for the Development of Industrial Technology (CDTI) with the aim of combining different perspectives and visions to promote cooperation in Research and Innovation for the development of the Latin America region.
China	Mitigation	Cooperation program signed between CDTI and the Chinese Innovation Office (TORCH)	All sectors	Public	Public	Implemented	2015-This bilateral programme between CDTI (Spanish Centre for the Development of Industrial Technology) and the Chinese Innovation Agency (TORCH) supports different activities for cooperation projects and R&D.
Argelia, Chile, China, Colombia, Egipto, Emiratos Árabes Unidos, Indonesia, Malasia, Marruecos, México, Singapur, Tailandia y Taiwán.	Mitigation	UNILATERAL PROGRAM (CDTI provides funds for cooperation projects between spanish companies and companies in the listed countries)	All sectors	Public	Public	Implemented	2015-Unilateral programme supported by CDTI (Spanish Centre for the Development of Industrial Technology)
Uruguay	Mitigation	Cooperation agreement between the National Directorate of Energy (DNE) of the Ministry of Industry, Energy and Mining of Uruguay and the Research Centre of Energy, Environment and Technology (CIEMAT) of the Ministry of Economy and Competitiveness of Spain.	Energy	Private&Public	Public	Implemented	2015-Project supported by the Spanish Center for Energy, Environmental and Technological research (CIEMAT). Life Cycle Assessment and externalities evaluation of the production of biofuels in Uruguay. Funded by the DNE and ALUR, the biofuels producer in Uruguay. The actions include technical assessment and capacity building. More information can be found at: http://www.miem.gub.uy/web/energia/-/bioenergia

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Tunisia, Morocco, Turkey and Algeria	Mitigation	REELCOOP project. Technology development of solar technologies. Life Cycle Assessment and socioeconomic implications of these technologies.	Energy	Public	Public	Implemented	2015-Project supported by the Spanish Center for Energy, Environmental and Technological research (CIEMAT). More information can be found at: http://www.reelcoop.com/
Tunisia, Jordan and Algeria	Mitigation	BIOSOL project. Technology development of solar technologies. Life Cycle Assessment and socioeconomic implications of these technologies.	Energy	Public	Private&Public	Implemented	2015-Project supported by the Spanish Center for Energy, Environmental and Technological research (CIEMAT). More information can be found at: https://www.dbfz.de/index.php?id=1091&L=0
Latinamerican and the Caribbean	Mitigation and Adaptation	Regional Gateway for Technology Transfer and Climate Change Action in Latin America and Caribbean (REGATTA project) - UNEP	Energy, Transport, Agriculture, Forestry, Water and Sanitation, Cross-cutting, Other	Public	Public	Implemented	2016-REGATTA's project is implemented by UNEP and supported mainly by Spain since 2010. Its main objective is to strengthen capacity and knowledge sharing of climate change technologies and experiences for adaptation and mitigation in Latin America and the Caribbean. The three main components are: on-line knowledge Platform; support and collaboration with key institutions and regional centers of knowledge and technology in the region; and specific assistance to countries on mitigation and adaptation. It promotes both, capacity building and Technology Transfer Activities. More information: www.cambioclimatico-regatta.or
African countries	Adaptation	MedCOF (Mediterranean Climate Outlook Forum): Consensus probabilistic seasonal predictions of temperature and precipitation for the entire Mediterranean region.	Other: climate services	Public	Public	Implemented	2016-Financial and technical support from the State Meteorology Agency in Spain (AEMET) and support for the participation of ACMAD (African Centre of Meteorological Applications for Development) countries

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Central and South America	Adaptation	Regional workshop on Climate Services	Other: climate services	Public	Public	Implemented	2016-Participation of the State Meteorology Agency in Spain (AEMET) experts in this regional workshop on which aims to explore possibilities for enhancing the quality and availability of climate services in Latin America, highlighting the value of regional cooperation.
South America	Adaptation	South-Est America Climate Forum	Other: climate services	Public	Public	Implemented	2016-Support from the State Meteorology Agency in Spain (AEMET) for the South-Est America Climate Forum
Latinamerican and the Caribbean	Mitigation&Adaptation	LATIPAT database (patents)	All sectors	Public	Public and Private	Implemented	2016-The Spanish Patent and Trademark Office (OEPM), together with the World Intellectual Property Organization (WIPO) and the European Patent Office (EPO), manages this database, which contains more than 2,5 million bibliographic data, and over a million images, concerning Latin American patents. This instrument has been built up over time, since its inception in 2003, into a reference global database. Besides the database, the OEPM organizes several workshops on issues related to patents and intellectual property for the Latin American and the Caribbean region.
All	Mitigation and Adaptation	Collaboration with Technological Platforms	All sectors	Public	Public and Private	Implemented	2016-A collaboration commitment was contracted by the Spanish Patent and Trademark Office (OEPM) with these Platforms in 2012, the aim of which is to make patent information available to companies, researchers and R&D managers so that the technology they generate is technology with value that allows financial returns and improves the competitiveness of the companies and their internationalisation. Many of these technologies are climate change relevant.

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
All	Mitigation and Adaptation	Technological Watch Bulletins	Energy	Public	Public and Private	Implemented	2016-Project implemented by the Spanish Patent and Trademark Office (OEPM). Technological watch bulletins provide information related to the most relevant patents published in every technological sector analyzed and technological news resultings from the analysis from publications, conferences, bussiness.. The users can suscribe to different bulletins and receive them quarterly. The bulletins are specialized in different sectors (electric car, edependence, intelligent car, animal health, biomass, fishing and agriculture, marine energy, agri-food sector...)
All	Mitigation&Adaptation	Technology Alerts	Energy	Public	Public and Private	Implemented	2016-Project implemented by the Spanish Patent and Trademark Office (OEPM). Technology Alerts provide up-to-date information about the most recent patents being published around the world related to a particular technical theme. The thematic areas of each Alert are established in collaboration with the Technology Platforms to ensure that they address the specific information needs of companies and public research institutions in the different technology sectors. Once a theme of interest is determined, the patent examiners establish a search strategy to enable any user to consult the Alert to find out about the latest patents published in any country in the world related to the theme in question (Geothermal Energy, Wind Power, Concetrated Solar Power, Photovoltaic Power, Biocides and plant growth regulators of biological origin,Carbon Nanomaterials,Viticulture and Enology,Fuel Cells).

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
All	Mitigation and Adaptation	Integrity of the Collection of Spanish Patents Project	All sectors	Public	Public and Private	Implemented	2016-Project implemented by the Spanish Patent and Trademark Office (OEPM). This project started in 2014 to facilitate enterprises and all users access to the entire collection of Spanish Patents and Utility Models through INVENES data base. Its main goal is to achieve that the data contained in the database are complete and updated since 1930, and that they meet the criteria of the PCT minimum documentation. For this purpose, bibliographic revision tasks as well as digitization of all memories of Patents and Utility Models of the Spanish collection have been carried out.
All	Mitigation and Adaptation	Study on Green Technologies: Spanish patents and utility models	All sectors	Public	Public and Private	Implemented	2016-Project implemented by the Spanish Patent and Trademark Office (OEPM). This study compiles the green inventions made by Spanish people from 2004 to 2015 (patents and utility models). https://www.oepm.es/es/sobre_oepm/noticias/2016/2016_07_14_Publicacion_Informe_TMCC.html
All	Mitigation and Adaptation	Technology Transfer	All sectors	Public	Public and Private	Implemented	2016-In the Spanish Patent and Trademark Office (OEPM) website, general information on technology transfer is provided as well as links to different market places, including a direct link to a worldwide online marketplace for green technologies. http://www.oepm.es/es/propiedad_industrial/transferencia_de_tecnologia/Mercado_de_Tecnologia/index.html

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
All	Mitigation&Adaptation	Templates for Technology Transfer Agreements	All sectors	Public	Public and Private	Implemented	2016-Templates for technology transfer Agreements created by a working group established with representatives from the Higher Council for Scientific Research (CSIC), LES Spain and Portugal (LES), the Ministry of Economy and Competitiveness (MINECO), the Spanish Patent and Trademark Office (SPTO) and the World Intellectual Property Organisation (WIPO). In 2016 several templates have been completed and published: "Confidentiality Agreement", "Agreement to Transfer Material", "Licensing Public/Private", "Licensing Private-Private" with their corresponding usage guides and with versions in Spanish and English. https://www.oepm.es/es/propiedad_industrial/transferencia_de_tecnologia/Modelos_de_Contratos/
Cuba	Mitigation	Hybridus - Cogeneration of electric and thermal energy. Hybrid biomass - solar system for agricultural holdings in the island of Cuba	Energy	Public	Public	Implemented	2016-The objective of this activity, supported by the Spanish Centre for Energy-Related, Environmental and Technological Research (CIEMAT) and AECID (INTERCOONECTA Programme), in collaboration with Cubaenergía and Sodepaz, is to promote the development of energy generation systems for sustainability and environmental efficiency through energy saving and the use of renewable sources, as well as providing technicians with the tools and knowledge necessary to lead these processes.

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Uruguay	Mitigation	Cooperation agreement between the National Directorate of Energy (DNE) of the Ministry of Industry, Energy and Mining of Uruguay and the Research Centre of Energy, Environment and Technology (CIEMAT) of the Ministry of Economy and Competitiveness of Spain.	Energy	Private&Public	Public	Implemented	2016-Project supported by the Spanish Center for Energy, Environmental and Technological research (CIEMAT). Technical assessment and capacity building improving the Life Cycle Assessment and externalities evaluation of the production of biofuels in Uruguay
All	Mitigation	Clean Energy Ministerial - Working Group on Solar and Wind (RES potential assessment and measure the benefits of RES projects)	Energy	Public	Public	Implemented	2016-The most significant activities carried out by IDAE (Spanish Institute for the Diversification and Saving of Energy) within the Solar and Wind Group were: Global Solar and Wind Atlas, which will be extended to other technologies, such as geothermal (IDAE has provided the Spanish data), hydro and biomass; and the Renewable Energy auctions report.
India	Mitigation	Programme of Co-operation on Industrial R&D between Spain and India implemented by DST-GITA (India) and the Spanish Centre for the Development of Industrial Technology (CDTI)	Energy	Public	Public	Implemented	2016-Under these programmes, calls for proposals are regularly launched and supporting activities such as assistance in matchmaking, partner identification, coordination of inbound/outbound delegations, bilateral workshops and seminars co-organised by the implementing agencies are undertaken

Table 8

Provision of technology development and transfer support^{a,b}

Recipient country and/or region	Targeted area	Measures and activities related to technology transfer	Sector ^c	Source of the funding for technology transfer	Activities undertaken by	Status	Additional information ^d
Latin American and the Caribbean	Mitigation and Adaptation	IBEROEKA PROJECTS (support instrument for private technological cooperation in the iberoamerican region)	All sectors	Public and Private	Public and Private	Implemented	2016-The IBEROEKA projects is framed within the Ibero-American Programme for Science, Technology and Development (CYTED) supported by the Spanish Centre for the Development of Industrial Technology (CDTI) with the aim of combining different perspectives and visions to promote cooperation in Research and Innovation for the development of the Latin America region.
China	Mitigation	Cooperation program signed between CDTI and the Chinese Innovation Office (TORCH)	All sectors	Public	Public	Implemented	2016-This bilateral programme between CDTI (Spanish Centre for the Development of Industrial Technology) and the Chinese Innovation Agency (TORCH) supports different activities for cooperation projects and R&D.
Argelia, Chile, China, Colombia, Egipto, Emiratos Árabes Unidos, Indonesia, Malasia, Marruecos, México, Singapur, Tailandia y Taiwán.	Mitigation	UNILATERAL PROGRAM (CDTI provides funds for cooperation projects between spanish companies and companies in the listed countries)	All sectors	Public	Public	Implemented	2016-Unilateral programme supported by CDTI (Spanish Centre for the Development of Industrial Technology)

^a To be reported to the extent possible.

^b The tables should include measures and activities since the last national communication or biennial report.

^c Parties may report sectoral disaggregation, as appropriate.

^d Additional information may include, for example, funding for technology development and transfer provided, a short description of the measure or activity and co-financing arrangements.

Custom Footnotes

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
Latinamerican and the Caribbean	Multiple Areas	Iberoamerican Network of Climate Change Offices (RIOCC) Annual meetings	2015-RIOCC Annual Meeting. The Iberoamerican Network of Climate Change Offices (RIOCC) is a platform that works with the aim of maintaining a continued dialogue among countries on climate change to better understand the priorities, challenges and experiences of the iberoamerican region. The RIOCC meets formally on an annual basis and promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. Spain is the main supporter of all these activities (through the Ministry of Agriculture, Food and Environment and the Spanish Agency for International Development Cooperation, AECID). The Annual meeting celebrated in 2015 took place Mexico, and was organized in collaboration with SEMARNAT. The results of the meeting can be found at www.lariocc.es
Latinamerican and the Caribbean	Multiple Areas	Iberoamerican Network of Climate Change Offices (RIOCC) workshops. AECID/ Inter-Coonect@	2015-Regional workshop on "Tools & Methodologies for the design of INDCs", Madrid, March 2015. The workshop was organized in collaboration with the Spanish Agency for International Development Cooperation (AECID) and UNDP and the participation of several international and regional organizations. More information about this workshop can be found at http://www.lariocc.es/es/actividades-capacitacion/Actividades_2015.aspx
Latinamerican and the Caribbean	Multiple areas	Iberoamerican Network of Climate Change Offices (RIOCC) workshops. AECID/ Inter-Coonect@	2015-Regional workshop on "Climate Finance", Antigua (Guatemala), September 2015. The workshop was organized in collaboration with the Spanish Agency for International Development Cooperation (AECID) and the participation of several international financial institutions and organizations, including the Green Climate Fund. More information about this workshop can be found at http://www.lariocc.es/es/actividades-capacitacion/Actividades_2015.aspx
Latinamerican and the Caribbean	Adaptation	Iberoamerican Network of Climate Change Offices (RIOCC) workshops. AECID/ Inter-Coonect@	2015-Regional workshop on "Local Adaptation to climate change", Cartagena (Colombia), November 2015. The workshop was organized in collaboration with the Spanish Agency for International Development Cooperation (AECID) and UNEP (through REGATTA Project) and the participation of several international and regional organizations. More information about this workshop can be found at http://www.lariocc.es/es/actividades-capacitacion/Actividades_2015.aspx
Latinamerican and the Caribbean	Adaptation	Iberoamerican Conference of Water Directors (CODIA) workshops. AECID/ Inter-Coonect@	2015-Regional workshop on "Water Economy", Montevideo (Uruguay), August 2015. The workshop was organized by the Spanish Ministry of Agriculture and Environment, within the framework of the Iberoamerican Conference of Water Directors (CODIA), with the support of the Spanish Agency for International Development Cooperation (AECID) and the participation of several international and regional institutions and organizations, including UNESCO. The workshop focused on the integral water cycle considering issues such as the environmental protection, governance and education.
Latinamerican and the Caribbean	Multiple Areas	Regional Workshop on sustainable building. AECID/ Inter-Coonect@	2015-Regional workshop on "Sustainable building", Cartagena (Colombia), October 2015. The workshop was organized by the Spanish National Research Council (CSIC) with the support of the Spanish Agency for International Development Cooperation (AECID) and the participation of several international and regional institutions. The workshop focused on latest trends and technologies for sustainable building.

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
Latinamerican and the Caribbean	Multiple Areas	Regional Workshop on Energy Efficiency and Renewable Energy integration in rural and urban areas. AECID/ Inter-Coonect@	2015-Regional workshop on " Energy Efficiency and Renewable Energy integration in rural and urban areas", Antigua (Guatemala), September 2015. The workshop was organized by the Spanish Center for Energy, Environmental and Technological research (CIEMAT) with the support of the Spanish Agency for International Development Cooperation (AECID) and the participation of regional institutions. The workshop focused on the main issues related to energy efficiency and renewable energy integration in rural and urban areas
The Middle East and North Africa	Adaptation	The edge of crisis: dust and sand storms.	2015-Participation of the the SDS-WAS Regional Center for Northern Africa, Middle East and Europe in the side event "The Edge of Crisis: Dust and Sand Storms" at the 12th session of the Conference of the Parties of the U.N. Convention to Combat Desertification (UNCCD). Activity supported by the State Meteorology Agency in Spain (AEMET)
Mexico, Bosnia-Herzegovina, Barbados	Multiple Areas	Workshop on advanced features for MCH instructors.	2015-Training activity on Meteorological, Climatological and Hydrological Database Management System (MCH), a database management system based on open source database and software, organized and funded by the World Meteorological Organization. Activity supported by the State Meteorology Agency in Spain (AEMET)
Kosovo.	Multiple Areas	Training on advanced functionalities of MCH in the Hydrometeorological Institute of Kosovo (IHMK)	2015-Training activity on Meteorological, Climatological and Hydrological Database Management System (MCH), a database management system based on open source database and software, organized and funded by the World Meteorological Organization. Activity supported by the State Meteorology Agency in Spain (AEMET)
African countries	Multiple Areas	Course on the use of satellite products for agro-meteorological applications	2015-Training activity on the use of satellite products, organized by the World Meteorological Organization, funded by EUMETSAT and with the support and collaboration of other actors such as the State Meteorology Agency in Spain (AEMET)
Africa and Middle East	Multiple Areas	1st Africa / Middle East Expert Meeting and Workshop on the Health Impact of Airborne Dust	2015-Expert meeting and workshop organized and supported by the World Meteorological Organization, World Health Organization, United Nations Environment Programme, EUMETSAT and the State Meteorology Agency in Spain (AEMET).
Latinamerica and the Caribbean	Multiple Areas	Coordination of the Conference of Ibero-American Directors of National Hydrological and Meteorological Services (CIMHET) activities. AECID/ Inter-Coonect@	2015-The Conference of Ibero-American Directors on National Hydrological and Meteorological Services (CIMHET) is a platform that works with the aim of maintaining a continued dialogue among countries on climate, meteorology and hydrology to better understand the priorities, challenges and experiences of the iberoamerican region. The CIMHET promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. The meetings and activities are funded by Spain (AEMET and AECID), in coordination with World Meteorological Organization (WMO). The results of 2015 activities and annual meeting can be found at www.cimhet.org . Activities carried out are related to coastal flooding, regional climate scenarios, use of satellite products for agro-meteorological applications, etc. The results of 2015 activities can be found at www.cimhet.org .

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
Africa	Multiple Areas	Coordination of the Program AFRIMET (Conference of Directors of the West African National Hydrological and Meteorological Services)	2015-The Conference of Directors of the West African National Hydrological and Meteorological Services (AFRIMET) is a platform that works with the aim of maintaining a continued dialogue among countries on climate, meteorology and hydrology to better understand the priorities, challenges and experiences of the west African region. The AFRIMET promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. The meetings and activities are funded by Spain, in coordination with World Meteorological Organization (WMO).
Latinamerican and the Caribbean	Multiple Areas	CIBIT Programme	2015-Capacity-building program in patent search and technological information promoted by the Spanish Patent and Trademark Office (OEPM), which aims to develop a line of cooperation that promotes the adhesion of the Latin American countries to the PCT (Patent Cooperation Treaty). The main objectives of this program are: improving the training of Latin American examiners in international searches for PCT international applications and enhancing collaboration of Latin American Industrial Property National Offices with the OEPM.
Latinamerican and the Caribbean	Multiple Areas	Courses	2015-The Spanish Patent and Trademark Office (OEPM) organizes several workshops on issues related to Intellectual Property for the Latin American and the Caribbean region (patents, trademarks, designs, strategic planification....).
The Caribbean	Multiple Areas	IPICA, Empowering knowledge transfer in the Caribbean through effective IPR & KT regimes	2015-The Spanish Patent and Trademark Office (OEPM) is an associated partner in this project that aims at reinforcing innovation systems in the Caribbean by empowering the generation, application and transfer of scientific knowledge for enhanced energy access and efficiency. Different innovation system stakeholders - higher education institutions (HEIs), national intellectual property offices, ministries and international organizations, researchers, enterprises, as well as students – are trained to modernize national and institutional intellectual property policies and strategies.
Latinamerican and the Caribbean	Multiple Areas	Regional Gateway for Technology Transfer and Climate Change Action in Latin America and Caribbean (REGATTA project) - UNEP	2016-REGATTA's project is implemented by UNEP and supported mainly by Spain since 2010. Its main objective is to strengthen capacity and knowledge sharing of climate change technologies and experiences for adaptation and mitigation in Latin America and the Caribbean. The three main components are: on-line knowledge Platform; support and collaboration with key institutions and regional centers of knowledge and technology in the region; and specific assistance to countries on mitigation and adaptation. It promotes both, capacity building and Technology Transfer Activities. More information: www.cambioclimatico-regatta.or

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
Latinamerican and the Caribbean	Multiple Areas	Iberoamerican Network of Climate Change Offices (RIOCC) Annual meeting	2016 RIOCC Annual Meeting. The Iberoamerican Network of Climate Change Offices (RIOCC) is a platform that works with the aim of maintaining a continued dialogue among countries on climate change to better understand the priorities, challenges and experiences of the iberoamerican region. The RIOCC meets formally on an annual basis and promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. Spain is the main supporter of all these activities (through the Ministry of Agriculture and Fisheries, Food and Environment and the INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation, AECID). The Annual meeting celebrated in 2016 took place Colombia, and was organized in collaboration with ECLAC. The results of the meeting can be found at www.lariocc.es
Latinamerican and the Caribbean	Multiple Areas	Iberoamerican Network of Climate Change Offices (RIOCC) workshops	2016-Regional workshop on "Mitigation and adaption policies and measures for the agriculture sector" (June 2016, Santa Cruz Bolivia). More information about this workshop can be found at http://www.lariocc.es/es/actividades-capacitacion/Actividades_2016.aspx
Central America and the Caribbean	Adaptation	Joint workshop among the Iberoamerican Network of Climate Change Offices (RIOCC), the Iberoamerican Conference of Water Directors (CODIA) and the Conference of Ibero-American Directors of National Hydrological and Meteorological Services (CIMHET) supported by AECID/ Inter-Coonect@	2016-Regional workshop for Central America and the Caribbean on "Management and prevention of extreme hydrometeorological phenomena and adaptation measures to climate change". (December 2016, Antigua, Guatemala).
Latinamerican and the Caribbean	Multiple Areas	Conference of Ibero-American Directors of National Hydrological and Meteorological Services (CIMHET) meetings and workshops	2016-The Conference of Ibero-American Directors on National Hydrological and Meteorological Services (CIMHET) is a platform that works with the aim of maintaining a continued dialogue among countries on climate, meteorology and hydrology to better understand the priorities, challenges and experiences of the iberoamerican region. The CIMHET promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. The CIMHET annual meetings and activities are funded by Spain, mainly through the State Meteorological Agency of Spain (AEMET), and with the support from the World Meteorological Organization (WMO) and the INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation (AECID). In 2016 several activities on "regional climate change scenarios" "Local Strategies for the development of Bioeconomy" "climate data management " have been carried out. More information can be found at www.cimhet.org .
Nicaragua	Technology development and transfer	Training course on Meteorological, Climatological and Hydrological Database Management System (MCH)	2016-Training activity on Meteorological, Climatological and Hydrological Database Management System (MCH), a database management system based on open source database and software, organized and funded by the State Meteorological Agency of Spain (AEMET) and the World Meteorological Organization (WMO).

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
African countries	Adaptation	Climate-Health Workshop	2016-Colaboration from the State Meteorology Agency in Spain (AEMET) on the workshop co-organized by NOAA and the National Meteorological Service of Senegal, with the participation of climate and health representatives from Senegal, Burkina Faso, Mali and Niger, as well as representatives from NOAA and WHO.
African countries	Multiple Areas	Training course on the use of satellite products for drought monitoring and agricultural meteorology applications.	2016-Training course on the use of satellite products for drought monitoring and agricultural meteorology applications, organized by the World Meteorological Organization, funded by EUMETSAT and with the support and collaboration of other actors such as the State Meteorology Agency in Spain (AEMET).
African countries	Multiple Areas	Coordination of the Program AFRIMET (Conference of Directors of the West African National Hydrological and Meteorological Services)	2016-The Conference of Directors of the West African National Hydrological and Meteorological Services (AFRIMET) is a platform that works with the aim of maintaining a continued dialogue among countries on climate, meteorology and hydrology to better understand the priorities, challenges and experiences of the west African region. The AFRIMET promotes several regional capacity building workshops and regional studies in those areas identified as a priority for the countries. The meetings and activities are funded by Spain, through the State Meteorology Agency (AEMET) in coordination with the World Meteorological Organization (WMO).
Armenia, Azerbayán, Bielorusia, Georgia, Moldavia	Multiple Areas	Training course on the use of satellite products for drought monitoring and agricultural meteorology applications.	2016-Training course on the use of satellite products for drought monitoring and agricultural meteorology applications, organized by the World Meteorological Organization, funded by EUMETSAT and with the support and collaboration of other actors such as the State Meteorology Agency in Spain (AEMET).
Libano	Multiple Areas	Installation and training of MCH for the Blue Peace project	2016-Colaboration from the State Meteorology Agency in Spain (AEMET) on the training course on the Climatological and Hydrological Database Management System (MCH) in the project Blue Peace-Water Security in the Middle East: Strategic Management of Hydrological and Meteorological Data and Information Product Generation. The project aims to strengthen the delivery of weather, water, and climate services in Middle Eastern countries, to support economic development and disaster risk management. Focusing on water management issues, the project would help key national stakeholders to improve their coordination in monitoring and data sharing activities, as well as enhance the regional coordination and collaboration in addressing water management and climate change adaptation.
Latinamerican and the Caribbean	Multiple Areas	Principles of energy storage course	2016-The course, promoted and supported by the Spanish Centre for Energy-Related, Environmental and Technological Research (CIEMAT), reviewed the fundamentals, technologies and applications of the different systems and also an introduction to power converters and grid connection alternatives for different storage solutions. Also complemented with an introduction to environmental and safety issues. Main factors, which affect their development and implementation such as regulatory, market and environmental aspects, were considered. Theoretical aspects were complemented with laboratory demonstrations and simulations for different storage systems.

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
Latinamerican and the Caribbean	Multiple Areas	Training itineraries on "Integrating and development of Renewable Energy"	2016-Training itinerary, promoted and supported by the Spanish Centre for Energy-Related, Environmental and Technological Research (CIEMAT), the Foundation Distance Learning Center for Economic and Technological Development (CEDDET Foundation) and the INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation (AECID), on "Integrating and development of Renewable Energy" which aims to contribute to improve rural electrification and promote sustainable development in developing countries and countries in transition facing the challenges of climate change. The training included: Operation and maintenance of photovoltaic plants; Strategies for the development of bioenergy; Solar energy technologies and applications
Latinamerican and the Caribbean	Multiple Areas	Course on "Municipal solid waste (MSW) as a source of energy resources"	2016-Activity promoted and supported by the Spanish Centre for Energy-Related, Environmental and Technological Research (CIEMAT) and the INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation (AECID), which aims to contribute to the transfer of knowledge in the use of urban waste as a source of energetic resources in order to promote sustainable development, improving the environment and the recovery of resources and increasing energy sustainability and the quality of life in the region.
Mediterranean Area	Multiple Areas	Desalination with solar energy course	2016-Course supported from the Spanish Centre for Energy-Related, Environmental and Technological Research (CIEMAT) wich aims to provide experts, professional and postgraduate students from all around the world with the latest knowledge of the different existing technologies involving the use of solar energy to drive desalination techniques. More specifically, the course instructed scientists and technicians on the basic principles of desalination using solar energy, the state of the art of the most promising technologies and the experiences acquired so far.
Latinamerican and the Caribbean	Multiple Areas	CIBIT Programme	2016-Capacity-building program in patent search and technological information promoted by the Spanish Patent and Trademark Office (OEPM), which aims to develop a line of cooperation that promotes the adhesion of the Latin American countries to the PCT (Patent Cooperation Treaty). The main objectives of this program are: improving the training of Latin American examiners in international searches for PCT international applications and enhancing collaboration of Latin American Industrial Property National Offices with the OEPM.
Latinamerican and the Caribbean	Multiple Areas	Courses	2016-The Spanish Patent and Trademark Office (OEPM) organizes several workshops on issues related to Intellectual Property for the Latin American and the Caribbean region (patents, trademarks, designs, strategic planification).

Table 9

Provision of capacity-building support^a

Recipient country/region	Targeted area	Programme or project title	Description of programme or project ^{b,c}
The Caribbean	Multiple Areas	IPICA, Empowering knowledge transfer in the Caribbean through effective IPR & KT regimes	2016-The Spanish Patent and Trademark Office (OEPM) is an associated partner in this project that aims at reinforcing innovation systems in the Caribbean by empowering the generation, application and transfer of scientific knowledge for enhanced energy access and efficiency. Different innovation system stakeholders - higher education institutions (HEIs), national intellectual property offices, ministries and international organizations, researchers, enterprises, as well as students – are trained to modernize national and institutional intellectual property policies and strategies.
Latinamerican and the Caribbean	Multiple Areas	Other regional capacity building activities within the INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation (AECID)	2016-The INTERCOONECTA Programme from the Spanish Agency for International Development Cooperation (AECID) , promotes and supports the transfer, exchange and creation of networks and knowledge management in order to drive, integrate, coordinate and strengthen actions in Latin America and in the Caribbean. Besides the activities mentioned above, in 2016 other regional workshops have been carried out in several sectores related to climate change and in coordination with national and international public partners: Reinforcement of local and regional governments for climate change risks management; Planification and Prevention of natural disasters; Sustainable Transport; Energy regulation; Climate change, gender and agrobiodiversity; etc. More information can be found at http://intercoonecta.aecid.es/

^a To be reported to the extent possible.

^b Each Party included in Annex II to the Convention shall provide information, to the extent possible, on how it has provided capacity-building support that responds to the existing and emerging capacity-building needs identified by Parties not included in Annex I to the Convention in the areas of mitigation, adaptation and technology development and transfer.

^c Additional information may be provided on, for example, the measure or activity and co-financing arrangements.

Custom Footnotes