

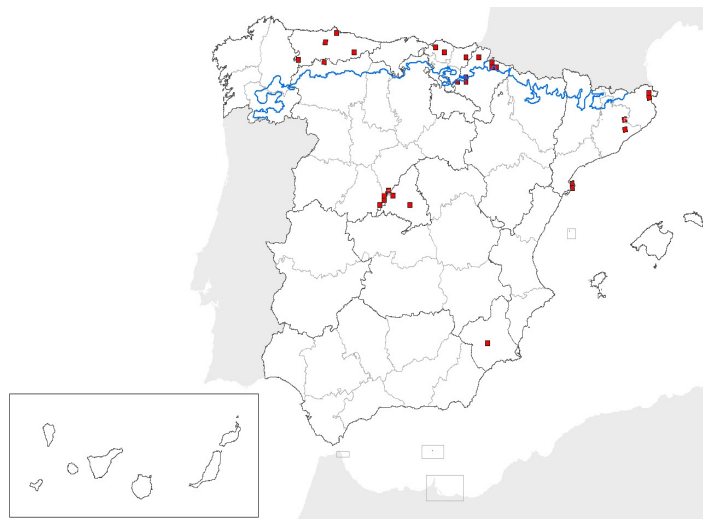
# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

## Pipistrellus nathusii

### 1. National level

Biogeographical regions and/or marine regions concerned within the Member State: **ALP ATL MED**

map-distribution



### 2. Biogeographical or marine level

2.1 Biogeographical region or marine region: **ALPINE**

2.2 Published sources and/or websites:

Alcalde, J. T. and M. C. Escala (1999). "Distribución de los quirópteros en Navarra, España." Bol. R. Soc. Esp. Host. Nat. (Sec. Biol.) 95 (1-2): 157-171

Palomo, L. J. and J. Gisbert (2002). Atlas de los mamíferos terrestres de España. Madrid, DGCN-SECEM-SECEMU.

2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 231,99

2.3.2 Date of range determination: 2006

2.3.3 Quality of data concerning range: Moderate e.g. based on partial data with some extrapolation

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

2.3.7 Reasons for reported trend: Not applicable  
and/or specify

2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
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2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

2.4.5 Population trend:

2.4.6 Population trend magnitude (km2):

2.4.7 Population trend period:

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2.4.8 Reasons for reported trend: Not applicable

and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

2.4.11 Threats

## 2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:

2.5.2 Area estimation (km2):

2.5.3 Date of estimation:

2.5.4 Quality of the data:

2.5.5 Trend of the habitat:

2.5.6 Trend period:

2.5.7 Reasons for reported trend: NotApplicable

Other (specify):

2.6 Future prospects for the species: Poor prospects - species likely to struggle unless conditions change

## 2.7 Complementary information

2.7.1 Favourable reference range (km2):

2.7.2 Favourable reference population:

2.7.3 Suitable habitat for the species (km2):

2.7.4 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	

2.1 Biogeographical region or marine region: ATLANTIC

## 2.2 Published sources and/or websites:

Nores, C. & García-Rovés, P. 2007. Libro Rojo de la Fauna del Principado de Asturias. Consejería de Medio Ambiente, Ordenación del Territorio e Infraestructuras del Principado de Asturias-Obra Social “la Caixa”.

AIHARTZA, J.R. 2001. Quirópteros de Araba, Bizkaia y Gipuzkoa: distribución, ecología y conservación. Universidad del País Vasco.

PALOMO, L.J. y GISBERT, J. 2002. Atlas de los mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza. Ministerio de Medio Ambiente.

ÁLVAREZ, J. et al. 1998. Vertebrados continentales: situación actual en la Comunidad Autónoma del País Vasco. Gobierno Vasco.

Alcalde, J. T. and M. C. Escala (1999). "Distribución de los quirópteros en Navarra, España." Bol. R. Soc. Esp. Host. Nat. (Sec. Biol.) 95 (1-2): 157-171.

## 2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 885,7

2.3.2 Date of range determination: 1970-2007

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2.3.3 Quality of data concerning range:

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

2.3.7 Reasons for reported trend: Unknown  
and/or specify

## 2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
9	11	Number of localities

2.4.2 Date of population estimation:

2.4.3 Methods used for population estimation:

2.4.4 Quality of data on area:

2.4.5 Population trend: Unknown (X)

2.4.6 Population trend magnitude (km2):

2.4.7 Population trend period:

2.4.8 Reasons for reported trend: Unknown  
and/or specify:

2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:

110 Use of pesticides  
150 Restructuring agricultural land holding  
151 - removal of hedges and copses  
160 General Forestry management  
162 - artificial planting  
166 - removal of dead and dying trees  
490 Other urbanisation, industrial and similar activities  
700 Pollution  
740 Vandalism

2.4.11 Threats

110 Use of pesticides  
150 Restructuring agricultural land holding  
151 - removal of hedges and copses  
160 General Forestry management  
162 - artificial planting  
166 - removal of dead and dying trees  
490 Other urbanisation, industrial and similar activities  
700 Pollution  
740 Vandalism

## 2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species:

2.5.2 Area estimation (km2):

2.5.3 Date of estimation:

2.5.4 Quality of the data:

2.5.5 Trend of the habitat:

2.5.6 Trend period:

2.5.7 Reasons for reported trend:

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Other (specify):

2.6 Future prospects for the species: Unknown

## 2.7 Complementary information

2.7.1 Favourable reference range (km2):

2.7.2 Favourable reference population:

2.7.3 Suitable habitat for the species (km2):

2.7.4 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	
Conclusions: Overall assessment:	Unknown (XX)	

2.1 Biogeographical region or marine region: **MEDITERRANEAN**

## 2.2 Published sources and/or websites:

GOSÁLBEL, J. et al., 1987. Història Natural dels Països Catalans: Amfibis, Rèptils i Mamífers. Enciclopedia Catalana S.A., Barcelona, 498 pp.

GOSÁLBEL et al., 1997. Catàleg dels Vertebrats de Catalunya: Mamífers. Direcció General del Medi Natural, Generalitat de Catalunya- Universitat de Barcelona, Barcelona, 400 pp.

PALOMO, I.J. y GISBERT, J. 2002. Atlas de los Mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza-SECEM-SECEMU, Madrid, 564 pp.

Benzal, J. & O. De Paz (eds.). 1991. Los murciélagos de España y Portugal. Colección Técnica. ICONA. Madrid.

De Paz, O. y Benzal, J. 1991. Los refugios importantes y su valoración ecológica para los murciélagos españoles. En: Los murciélagos de España y Portugal. (J. Benzal y O. de Paz eds.), Madrid, 115-140 pág.

Benzal, J. 2002. Bases para el manejo y conservación de los Quirópteros de la Comunidad de Madrid. Comunidad de Madrid- Consejería de Medio ambiente. Madrid, 181 pp.

De Paz, O. y De Lucas, J. 2006. Seguimiento de refugios y valoración del estado de las poblaciones de quirópteros cavernícolas en la Comunidad Autónoma de Madrid (año 2006). Consejería de Medio Ambiente y Ordenación del Territorio- Myotis C.B. Madrid.

Lisón, F. et al. 2005. Primeros datos sobre el murciélago de Nathusius Pipistrellus nathusii (Keyserling y Blasius, 1839) en la Región de Murcia. Galemys, 17 (1-2): 47-52, 2005. ISSN: 1137-8700

Quirópteros: primeros pasos hacia su conservación. Murcia Enclave Ambiental. Nº 15. 4º Trimestre 2007. Año 5.

## 2.3 Range of the species type in the biogeographic region or marine region

2.3.1 Surface area of species range in km2: 1030,14

2.3.2 Date of range determination: 2002-2007

2.3.3 Quality of data concerning range: Moderate e.g. based on partial data with some extrapolation

2.3.4 Range trend: Unknown (X)

2.3.5 Range trend magnitude in km2 (optional):

2.3.6 Range trend period:

2.3.7 Reasons for reported trend: Unknown

and/or specify

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## 2.4 Population of the species in the biogeographic region or marine region

### 2.4.1 Population size estimation:

Population size estimation (minimum)	Population size estimation (maximum)	Population units
9		Number of localities

### 2.4.2 Date of population estimation:

### 2.4.3 Methods used for population estimation:

### 2.4.4 Quality of data on area:

2.4.5 Population trend: Unknown (X)

### 2.4.6 Population trend magnitude (km2):

### 2.4.7 Population trend period:

2.4.8 Reasons for reported trend: Unknown

and/or specify:

### 2.4.9 Justification of % thresholds for trends (optional):

2.4.10 Main pressures:	110 Use of pesticides 160 General Forestry management 180 Burning 400 Urbanised areas, human habitation
2.4.11 Threats	110 Use of pesticides 160 General Forestry management 180 Burning 400 Urbanised areas, human habitation

## 2,5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species: Se trata de un murciélago eminentemente forestal, tanto de bosques caducifolios

### 2.5.2 Area estimation (km2):

### 2.5.3 Date of estimation:

### 2.5.4 Quality of the data:

2.5.5 Trend of the habitat: Unknown (X)

### 2.5.6 Trend period:

2.5.7 Reasons for reported trend: Unknown

Other (specify):

2.6 Future prospects for the species: Unknown

## 2.7 Complementary information

### 2.7.1 Favourable reference range (km2):

### 2.7.2 Favourable reference population:

### 2.7.3 Suitable habitat for the species (km2):

### 2.7.4 Other relevant information (optional):

Conclusion	Biogeographical or marine level	Conclusions within Natura 2000 sites (optional)
Conclusions: (2.3) Range:	Unknown (XX)	
Conclusions: (2.4) Population:	Unknown (XX)	
Conclusions: (2.5) Habitat for the species:	Unknown (XX)	
Conclusions: (2.6) Future prospects:	Unknown (XX)	

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Conclusions: Overall assessment:

Unknown (XX)