

**Nodo Aigüestortes. Red LTER-ES.  
Algunas reflexiones sobre ciencia y  
comunicación en LTER.**

**Seguimiento del Cambio Global: Gestión de  
la Información y Difusión del Conocimiento.**

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# *¿Qué hemos conseguido?*

*Digitalización de los datos.*

*Ordenar los campos de actividad.*

*Compartir perspectivas, necesidades y soluciones.*

# ***Dificultades***

**(La cuestión de la financiación.)**

*Continuidad en la obtención de datos básicos.*

*Visualización de resultados.*

# *¿Qué podemos alcanzar?*

*Comunicación de los datos.*

- Conceptos para una ordenación significativa (resultados).
- Plan de comunicación.

*Confianza en la Institución científica*

*(y también en gestión, social).*



**ClimaDat** studies the interactions between climate change and the natural systems, including anthropogenic activities. All the Natural Parks have some measurements in common, i.e., the study of the biogeochemistry of the main greenhouse gases (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O) looking to the coupling/uncoupling of the metabolic processes under climate change (increased variability of processes patterns due to climate change). Moreover, in every site a particular issue is addressed.

The main characteristics of **ClimaDat** are that it is a project devoted to obtain CONTINUOUS data with Universal OPEN DATA ACCESS, and its challenge is to obtain NEAR REAL TIME data management in remote areas..

*In the Valderejo Natural Park the mixing and the isolation of air parcels in complex areas can be studied. We can say its a question of how the general circulation and the coupling between advection and convection are related.*

*Concepts in this study came from:*

- *The need of data for feeding and improving the land-surface / atmosphere climate models, especially the influence of soil humidity (linked to the use of satellite images -SMOS)*
- *The difficult modelling of the air transport in complex terrain (linked to the need for better resolution in topography and land-use change, and back trajectory models –LPDM)*
- *The lack of field knowledge of the main drivers and pathways for the development of advective and convective structures*