



## Proyecto Europeo

# Climate forecast enabled knowledge services (CLARA)



**Investigador principal:** MARÍA JOSÉ POLO GÓMEZ

**Grupo de investigación:** TEP-248 DINÁMICA FLUVIAL E HIDROLOGÍA

**Web del proyecto:** <http://clara-project.eu/>

Climate variability and change embody sizeable economic, social and environmental risks in Europe and globally. Climate services (CSs) are essential for catalysing economic and societal transformations that not only reduce these risks and/or improve societal resilience, but also unlock Europe's innovation potential, competitiveness and economic growth. As a part of European efforts to catalyse the potential of climate services for more efficient natural resource management and improved disaster risk management and resilience, the CLARA project boosts innovation and uptake of climate services based on front line seasonal and decadal forecasts and climate projections. Building upon the advance-

ments in climate modelling and science in the context of the Copernicus Climate Change Service (C3S), the CLARA project illustrates genuine benefits and economic value of CSs in the face of climate variability and short-term climate change. A portfolio of user co-designed and co-developed CSs, helps to improve policy and decision makings in five priority areas GFCS: disaster risk reduction, water resource management, agriculture and food (security), renewable energy sources, and public health. Carefully designed business and marketing strategies will promote their uptake, help to energise the European market with CSs, and foster the European innovation potential.



Investigadores  
participantes en  
el proyecto CLARA

## Objetivos generales:

The main objective of CLARA innovation action is to develop a set of leading-edge climate services building upon the newly developed Copernicus Climate Change Services-near term forecast and sectorial information systems (SIS) and sustain their marketability and value.

## Objetivos contribución:

UCO leads WP2 “Engaging end-users, purveyors and service providers in a development oriented dialog” and therefore it is in charge of design and facilitate working with users to reveal their perceptions and requirements; co-design, inform and review CLARA innovation and stimulate collaboration and co-production of services. With this aim, a Multi-User Forum was created as an engagement tool, enabling purveyors, public agencies, and authorities and other users of CSs to contribute to the design and implementation of the project.

In addition, UCO participates actively in the others work packages:

- in WP1, UCO is involved in the development of a comprehensive guidance for users’s co-production of, an evaluation of economic value unleash by CSs;
- in WP3, UCO leads three of the fourteen pilot CSs developed in the project, particularly in the implementation areas of water resource management (ROAT climate service) and renewable energy production (SHYMAT and SEAP climate services);

- in WP4, UCO contributes in the development, testing and deployment of a methodological framework and toolkit for assessing economic value unleashed by the CLARA-enabled services and specially in the assessment of the economic value of the three CSs developed in WP3;

- in WP5, UCO explores the financial, technical, market and regulatory barriers for the development of the market with CSs, enabling conditions or opportunities driving the deployment of CLARA enabled services;

- in WP6, carries out the exploitation, dissemination and external communication outcomes of the project and the three CSs developed in WP3;

- in WP7, UCO contributes to the project coordination and management tasks, in compliance with Grant Agreement, the Consortium Agreement and best management practices.

## Impacto:

CLARA will increase the provision of CSs, facilitating their rapid development and market uptake by demonstrating their added value for the decision-making process, in terms of effectiveness, value creation, optimized opportunities and minimized risks. The project will also foster market uptake of CSs by employing insightful market (prospect and barriers) analysis and outreach activities capable of scaling up the diffusion and use of CLARA-enabled climate services. Moreover, CLARA will offer concrete solutions to overcome barriers hampering deployment of CSs in the specific area of

application. The CLARA CSs are designed so as to improve the way risks posed by climate variability and change are managed in Europe. CSs are being designed to help to understand and anticipate the manifold risks posed by climate variability and change, and help to recognize opportunities for reduce their impacts. In doing so and building upon the frontline climate knowledge, CLARA CSs will promote better information risk management and more efficient natural resource management.