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sui Cambiamenti Climatici
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The CLARA project has received funding from the European
Union's Horizon 2020 research and innovation programme
under the Grant Agreement No 730482.

**Climate
forecast
enabled
knowledge
services**

















CLARA project

CLARA – Climate forecast enabled knowledge services – is a Horizon 2020 funded innovation action set to catalyse more efficient natural resource management and improved disaster risk management and resilience by exploiting the potential of innovative climate services. Building upon the recent advancements in climate modelling and forecasts, including the Copernicus Climate Change Service, the project sets to develop a portfolio of users' co-designed climate services able to inform policy and decision making in five priority areas: Global Framework for Climate Services: disaster risk reduction, water resource management, agriculture and food security, renewable energy sources, and public health. For each service developed we will illustrate the genuine benefits and economic value of CSs in the face of climate variability and short-term climate change, and formulate business and marketing strategy to energise the European market with climate services and foster the European innovation potential.

Multi-user Forum

To foster co-generation of climate services, we have established a Multi-User Forum that comprises representatives from more than 50 organisations including public bodies and authorities, irrigators' associations, energy producers, civil protection, insurance and financial organisations. The Forum plays a vital role in co-designing the innovative applications, informing and reviewing the project's development, and stimulating collaboration among the end-users, purveyors, and services providers. The Forum will review the work in progress and advice on next steps of project's implementation. Three workshops and various side activities such as webinar, newsletters, and online discussion fora facilitate the mutually beneficial dialog and knowledge exchange.

CLARA services

-  Economic risk assessment of flood risk
-  Parma river basin water assessment
-  Water requirements for irrigation
-  Climate smart irrigation tool
-  Water supply assessment tool
-  Reservoir operation assessment tool
-  Smart climate hydropower tool
-  Small hydropower assessment tool
-  AirCloud
-  Air quality and climate change
-  Post processed decadal prediction
-  The tailored tool for climate analysis
-  GWh prediction
-  Solar energy assessment and planning tool