



## The C3S NCP initiative for Italy: A multidisciplinary national cooperation to address key climate hazards

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C3S





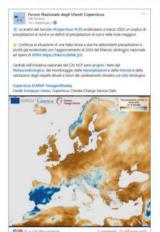






## **National Needs and Approach**

Implementing and testing environment & hydro-climate products, up to local scale, by feeding (downscaled) C3S products into operational workflows, assisted by potential sectoral users and stakeholders (collecting users' requirements/feedback) and defining potential follow-up actions to operationalise the C3S NCP products into the national services.



Promoting communication actions, with the support of ECMWF/C3S, to increase the uptake of C3S and C3S-derived products, through websites and social accounts of the Italian Copernicus National User Forum and partners and co-designing approaches for effective data visualization by involving national and local user and stakeholders.



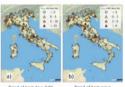


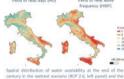


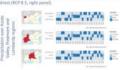
## Example of outputs

- Downscaling over Italy seasonal forecasts and projections.
- ☐ Future assessment/projections of HW at national/subnational levels.
- ☐ Future assessment/projections of water resource availability and droughts via the BIGBANG national water balance model.
- Climate bulletins designed to support local stakeholders.
- Assessment of forest fire risk.
- ☐ GHG product utilization.









Facilitating the use of C3S and C3S-derived products through dedicated training initiatives, by capitalizing previous local, national & international experiences (e.g., FPCUP Copernicus4SNPA, EUMETSAT trainings).

Ensuring coordination with the other Italians NCP initiatives (currently, Phase II of CAMS NCP and CLMS NCP) and the Italian Copernicus National User Forum.





The Hackathon "SpazioCulturale", held on 9-11 May 2025 in Bologna and hosted by ECMWF premises at the Tecnopolo di Bologna, was a blue-sky thinking event aimed at stimulating the development of innovative solutions based on Copernicus C3S and CAMS products, bringing together University students, PhD, recent graduates and early Post-doc to address real-world challenges for Cultural Heritage through space-based data applications.

The event originates within the cooperation activities outlined in the ECMWF-Italy MoU and in the Italian initiatives for C3S and CAMS NCPs. It has been organized by the National Copernicus Users Forum, ISPRA, and ECMWF, with support and sponsorship from the Horizon Europe project SD-WISHEES (grant agreement No.101095322), and Italian private partners.















