National Collaboration Programme Copernicus Land Monitoring Service Phase I

February 27th 2026

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CLMS NCP Italy - Phase I

The main objective of the NCP Italy are:

- **Supporting** user uptake
- **Ensuring** the involvement of users in future development of the CLMS
- **Verification** of the applicability and fitness for purpose of the CLMS portfolio
- **Collecting** user requirements at a national and sub-national level
- **Promoting** and raising awareness of CLMS and CLMS NCP products through communication and training
- **Ensure coordination at National and European levels** through interaction with the National Copernicus User Forum

2nd NCP General Assembly - 22nd of May 2025 - Krakow, Poland

The CLMS NCP is a collaborative initiative designed to align national priorities with European Land Monitoring services and support the uptake of CLMS products.
It serves as a strategic platform to address technical and geographic needs while fostering cooperation on specific land-related themes.

CLMS NCP Italy - Phase I

Duration: 18 months

10/2024 – 04/2026

MANDATORY MODULES

- ✓ **1st National events** (5th March 2025, hybrid format)
- ✓ **National use case** on land cover and land use

  Final event (20th March 2026, hybrid format)

  Final Report (12-month interim report already submitted)

OPTIONAL MODULES

- ✓ **PhD hosting at EEA** (6 months)
- ✓ **Communication activities** (social media, web, etc.)
- ✓ **1st Training session** (19th November 2025, online)
- ✓ **2nd Training session** (27th February 2026, online)

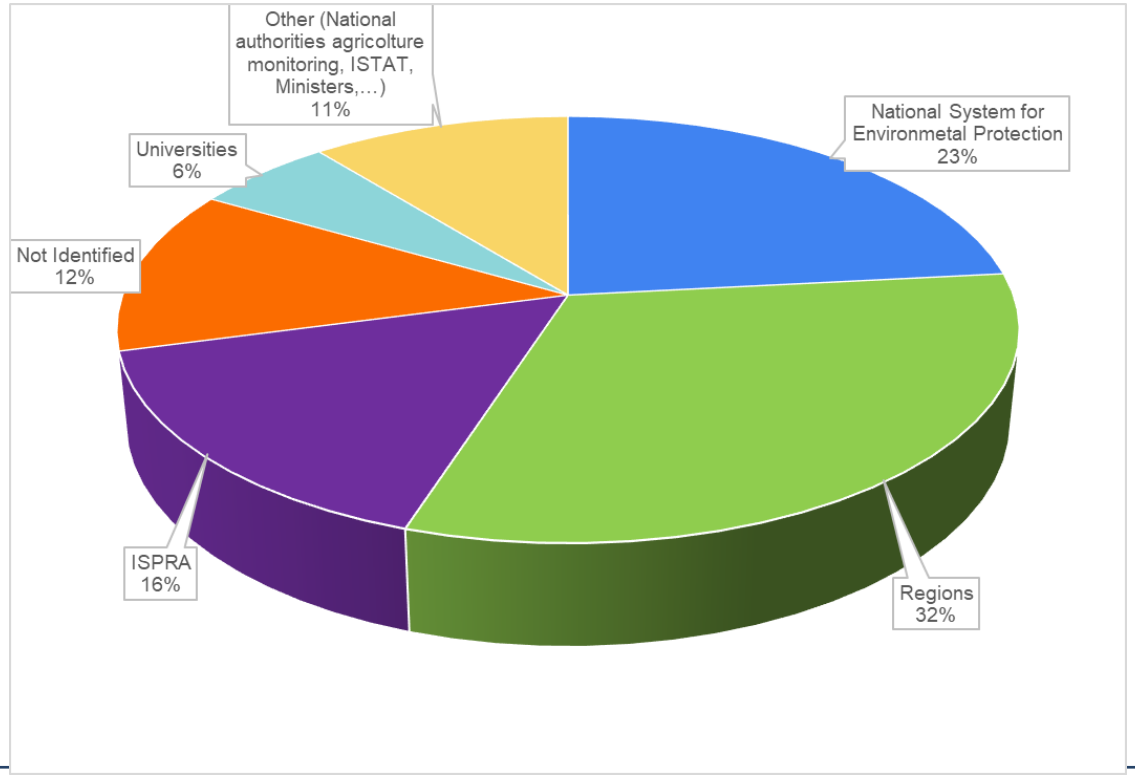
Report Ambientali SNPA n. 46/2025 – ISBN: 978-88-448-1279-0

National Events CLMS NCP

1° National meeting

Date: 5th March 2025

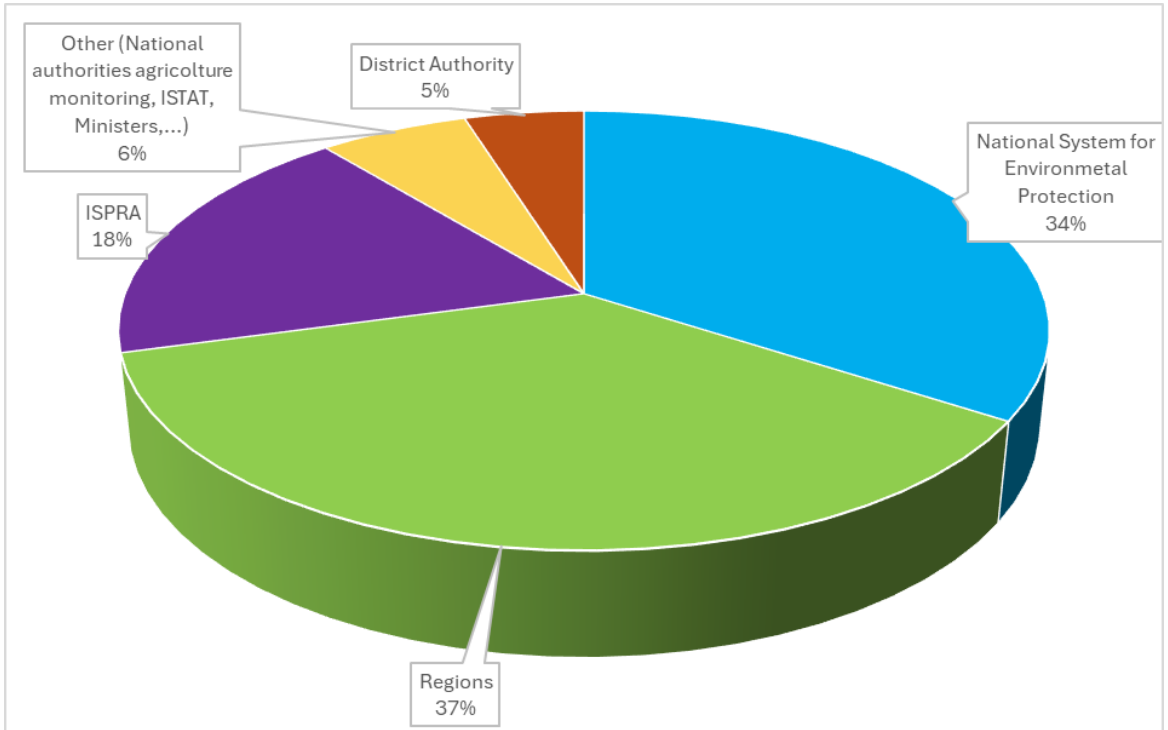
Participants: > 100



1° Training session Copernicus Vegetated Land Cover Characteristics

Date: 19th November 2025

Participants: 80



NCP: thinking of Phase II

ISPRA and SNPA employ drones for land cover mapping and monitoring of habitats, river morphology, landslides and floods, snow and glaciers, coastal environments and their dynamics, pollutant spills, as well as for inspections of industrial plants and waste landfills

The integration of drone-based acquisitions with satellite imagery and CLMS products aims to enhance both the spatial and thematic resolution, thereby enabling more accurate and detailed land cover mapping and classification at national and local scales.

Training Event Agenda – 27 February 2026 | 10:00 – 13:00 CET

Bio-Geophysical Variables at Pan-European Level

10:00 Welcome
Claudia Alsager (EEA)

10:05 Italian and Spanish Main Interests and Requirements
Ines Marinosci, Antonella Tornato (ISPRA)
Samuel Parada Bustelo (CNIG/IGN)

10:15 EEA Products Presentation
High Resolution Vegetation Phenology and Productivity (HR-VPP), 10 m (pan-European)
Luca Battistella (EEA)
Water, Snow and Ice Products
Lorenzo Solari (EEA)
State of play and progress of the EU-Hydro upgrade, the pan-European reference dataset for hydrography
José Miguel Rubio Iglesias (EEA)

11:15 Break

11:30 Italian and Spanish User Use Cases
Vegetation Indices: NDVI and PPI - Vaia Storm in Italy
Luca Congedo (ISPRA)

Vegetation Phenology and Productivity Parameters (SoS, EoS): application in ar agricultural area of the Po Plain (Italy)
Luca Congedo (ISPRA)

Surface Soil Moisture (autumn 2024 – summer 2024, Italy)
Luca Congedo (ISPRA)

A Multi-Scale Urban Heat Island Digital Twin for Monitoring, Simulation and Mitigation Using Satellite Earth Observation
Diego Gonzalez-Aguilera (University of Salamanca)

Surface water drainage model at national/transboundary scale: integration of Copernicus DEM, national hydrographic network from WFD and EU-Hydro dataset - Italy
Robertino Tropeano (ISPRA)

Geographical Reference Information on Hydrography in Spain
Marta Carranza (IGN)

12:30 Questions and Conclusion
Ines Marinosci, Antonella Tornato (ISPRA)

THANK YOU!

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