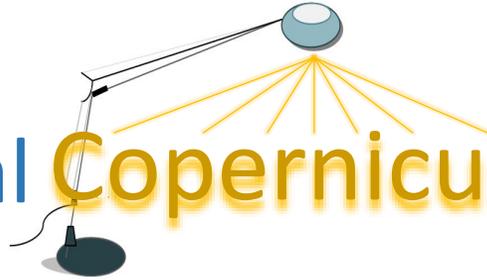


The Italian National Copernicus User Forum State of Play



Nico Bonora

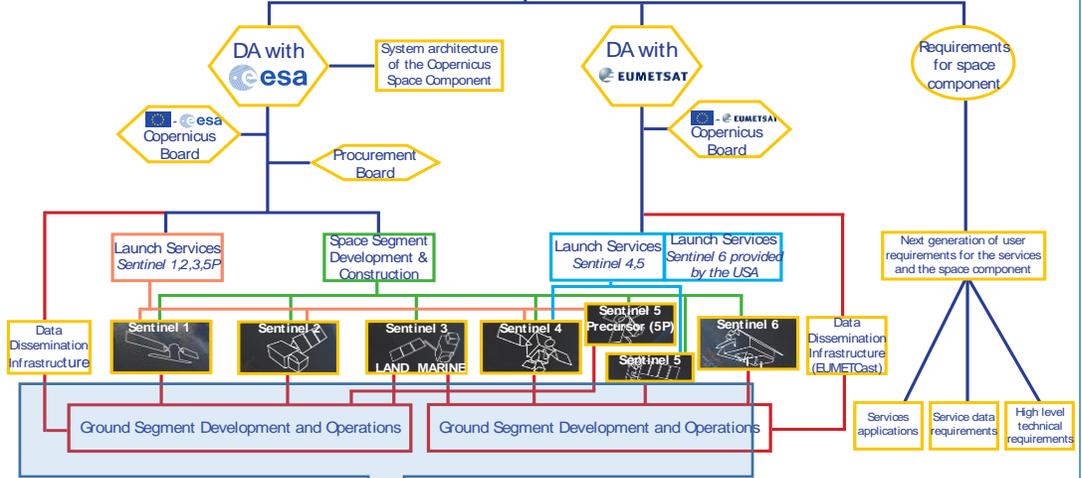
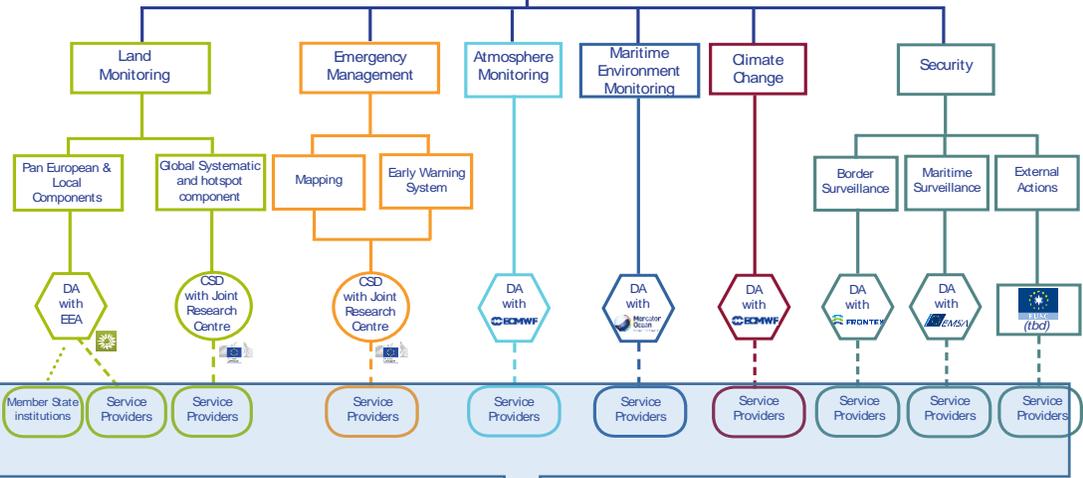
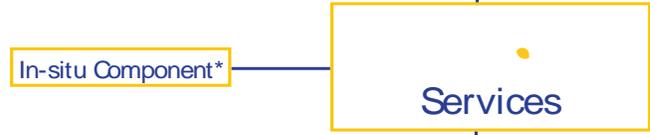
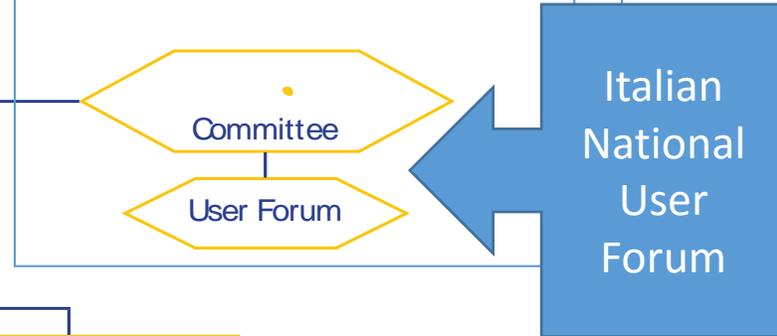
On behalf of Bernardo De Bernardinis

National User Forum Coordinator and National Delegate to the Copernicus User Forum

The context

Il programma Copernicus è coordinato e gestito dalla Commissione Europea. Lo sviluppo delle infrastrutture di osservazione viene effettuata sotto l'egida dell'Agenzia spaziale Europea (ESA) per la componente spaziale e dell'Agenzia Europea dell'Ambiente (EEA) e gli Stati membri per la componente in situ.

Presenza italiana:
Copernicus Committe: MIUR, ASI, ISPRA
Copernicus User Forum: ISPRA, ASI



National Collaborative Ground Segment Extended and Distributed

The Italian National Copernicus User Forum

When?

The **Italian National Copernicus User Forum** has been formally constituted in December 2014 in the frame of a ***Inter-ministerial Working Group meeting***. The working Group aims to define the main national lines and orientation to maximize the national returns in terms of operational services offered by the Copernicus Programme.

Why?

In the frame of the Working Group was identified the **need to share information about the ongoing and foreseen activities in the three Copernicus Bodies** (Committee, User Forum and Security Board) **and to coordinate the national user communities**.

The first step toward the National User Forum...

The event launching the National User Forum was the **Copernicus National Workshop** (27 June 2014). The event had the aim to define the National and European state of-the-art of the Copernicus Programme as a whole, with focus on the user needs.

...and objectives!

The objective of the National User Forum is **to stimulate a qualified, authoritative and coordinated national requirement at all Service levels** offered by the Programme.

The National User Forum is composed by Representatives of Public and Research Institutions, Industries and Enterprises.

The Forum Representatives: Institutional, Commercial and Scientific Research

- Responsabile presso la Presidenza del Consiglio dei Ministri per il coordinamento delle strategie e delle politiche spaziali nazionali
- Delegato Nazionale nel Forum europeo degli Utenti Copernicus
- Delegato Nazionale nel Comitato europeo di Copernicus e Co-Rappresentanti Nazionali nel Comitato e User Forum europeo di Copernicus
- Responsabili per gli aspetti di sicurezza dei Servizi Copernicus
- Rappresentanza nazionale in ESA
- Rappresentanza nazionale in EUMETSAT, ECMWF, WMO
- Rappresentanza nazionale in EEA per Servizi e Programmi Copernicus
- Rappresentanza nazionale per INSPIRE
- Rappresentanza nazionale per l'ASI
- Rappresentanza nazionale degli Enti Pubblici di Ricerca, anche non vigilati dal MIUR
- Membri nazionali di organismi di gestione dei Servizi di Copernicus già operativi e partecipanti nazionali alle attività di transizione per l'implementazione e avvio di nuovi Servizi di Copernicus
- Rappresentanze di Tavoli nazionali di coordinamento di materie anche relative ai Servizi Copernicus ed a conseguenti e/o connessi servizi a valle (Downstream Services)
- Rappresentanza Utenti istituzionali
- Rappresentanza Utenti dell'impresa e dell'Industria
- Rappresentanza Women in Aerospace

How does the national forum work?

Thematic Workshops organized by the National User Forum

Agriculture – From satellite information to in-situ data (9 December 2014)

Organized in the frame of a Memorandum of Understanding between ISPRA and the Ministry of Agriculture (MIPAAF), the workshop aimed to stress the integration of different data source to improve tools and methods to better support EU Directives implementation.

User Workshop MACC-III/CAMS (11 May 2015)

Organized by ISPRA and Emilia Romagna EPA in collaboration with DLR and ECMWF, the MACC/CAMS User Workshop had the aim to inform the Italian Community about the available products, to encourage downstreams activities and to bring the national requirements to CAMS developer. The Workshop attracted more than 80 participants from across Europe.

National seminar on Copernicus Services and Ground Segment (9-10 June 2015)

The event aimed to update the National User Forum on the Programme development, with focus on potential and critical issues related to Services and CGS. Financial possibilities in the frame of Copernicus tenders were explored as well as the return of investments within the Space Economy framework.

National Workshop “The Operational Hydrology Services in the frame of the National System for Environmental Protection (9-10 July 2015)

The Workshop had the objective to inform Public Institutions and Research bodies about the undertaken activities in order to guarantee the development of a National Hydrologic Service, harmonised at Country level and WMO compliant.

...and thematic Workshops contaminated by the National User Forum

Copernicus for the environment and safety: from research to operational services (19 September 2014)

The event, coordinated by the EC in collaboration with MIUR (Ministry of Education, University and Research), ASI and ISPRA, aimed to highlight the experience of Institutions and Industries focusing on their needs for the development and improvement of Copernicus services, synergistically with the private and the research sector.

Water contamination by Nitrate (28 January 2015)

The workshop aimed to define an isotopic model application covering the Po River catchment basin.

Research, polluted sites and National System for Environmental Protection (29-30 Jan 2015)

The workshop aimed to identify commons on which to develop a partnership, even confronting stakeholders belonging, or not, to the system itself, to improve the management and promote the solution of the problems of polluted sites.

Environment and cultural heritage (3 March 2015)

The presence in Italy of a substantial part of the historical-artistic heritage world must make the Country particularly sensitive to the development of strategies in the field of preventive conservation and sustainable exploitation.

Urban challenges: climate change and environmental quality (31 March 2015)

ISPRA and Sapienza University organized a congress aimed to address the ability to assess the environmental quality of the Italian cities in relation to broad environmental mitigation and adaptation to climate change.

Recovering land - Policies, Actions and Measures for Sustainable Land Use (6 May 2015)

ISPRA presented the first "Italian map" on national land use, a new high resolution mapping that defines the artificial covering of the whole peninsula based on Copernicus Products.

Soil event at EXPO 2015 (20 October 2015)

Key note: the impacts of climate change and subsequent extreme weather hazards on land and soils: how to manage, prevent or mitigate them? The intervention aimed to link soils and climate change, highlighting how Copernicus will increasingly support environmental monitoring, also as contribution to international policies in the context of Climate Change negotiations.

National Workshop

From Core Services to User Uptake - Downstream Potential for SME (11/15)

Provide elements on the state of involvement, perspectives and position of SME, Start-up and Spin-off in the frame of Copernicus downstream Services, upstream processes and in the European Space Sector outside the Copernicus boundaries.

Seminars on Copernicus Security Services

(Feb. 2016 – Coast Guard – Port Authority)

(Mar. 2016 – PCM – CSSs FP identification)

June 2016 – Environmental Control – Carabinieri – NOE

June 2016 National Group on Coastal Environment Research

(Oct. 2016 Ministry of Infrastructures and transports)

(dec 2016 – Defence Staff (SMD) – CSSs Seminar)

(Jan 2017 -Cultural Heritage - Mibact)

Next – **Copernicus Relays**

Eventi 2017:

Climate Services (27/02 – EC, ECMWF)

Copernicus Workshop on Cultural Heritage (Bruxelles, 24/4)

Copernicus Relays and the relationships with the National Copernicus User Forum

The Network of Copernicus Relays is a concept and process whereby the Commission will work closely with different stakeholders / multipliers in view of fostering the use of Copernicus data and information Copernicus Participating Country.

The Relays are to be recognised by users as dedicated representatives and permanent interlocutors on Copernicus, acting as principal helpdesks/information points on the Programme. The Relays will act as multipliers, developing initiatives to reach two different sets of objectives:

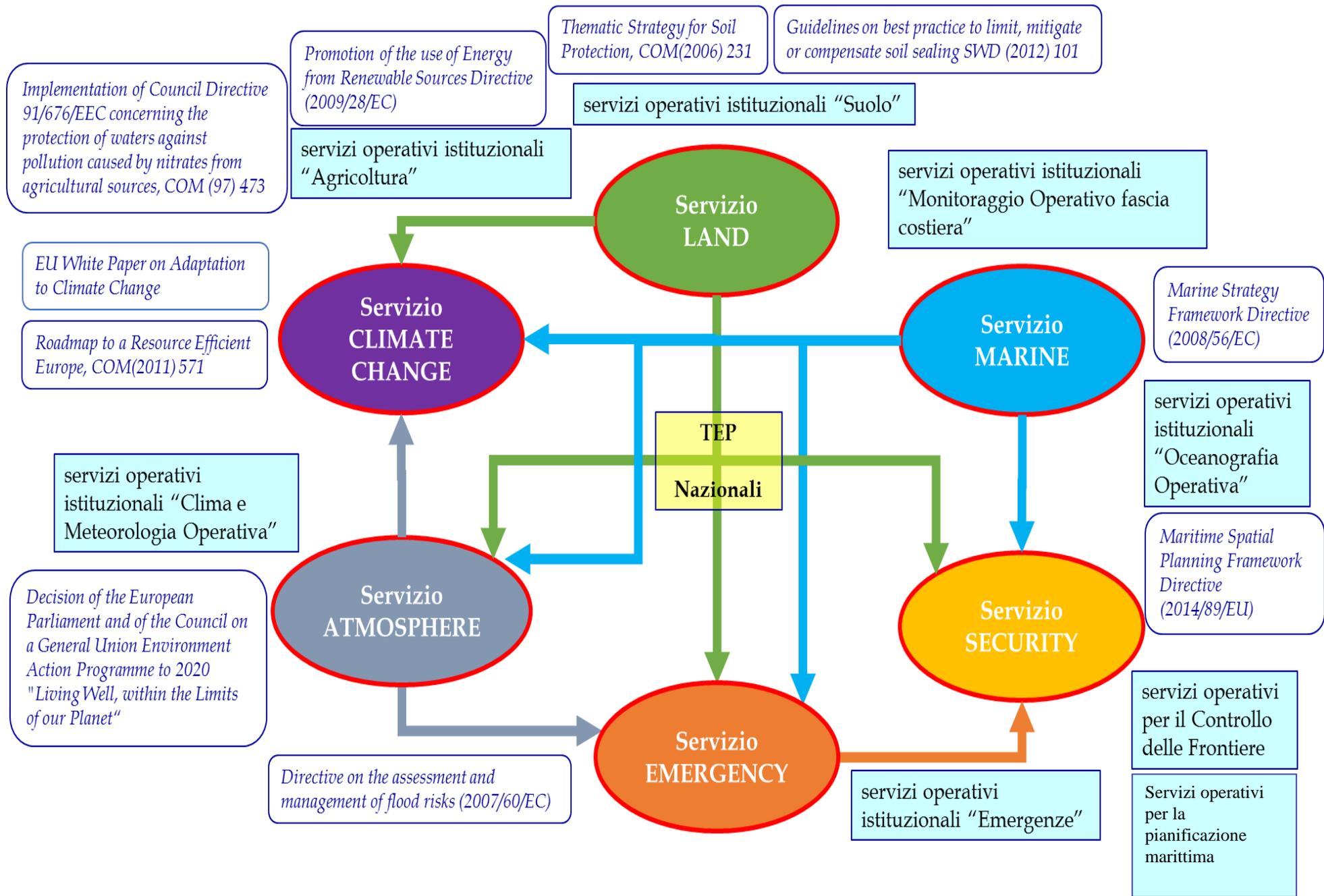
1. To promote Copernicus as a sustainable source of free, open and reliable information to meet the **needs of local public services**.

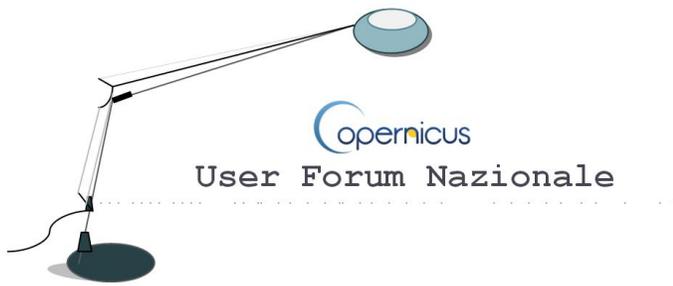
2. To promote Copernicus as sustainable source of full, free, open, and reliable data for the **development of environmental services with high commercial potential by local entrepreneurs**.

- Relays should ensure complementarity with ongoing and future initiatives undertaken by existing national activities.
- The Relays will be considered as operational actors in coordination with the National User Forum and the Relays Network providing support to the coordination of Copernicus-related activities in their area of influence.
- Relays shall work closely with the representatives of the Copernicus Participating Countries in the Copernicus political fora (Copernicus European User Forum and Committee).
- Relays should primarily focus on activities developed at local and regional levels.
- Copernicus Relays, in cooperation with Participating Countries Representatives, may support the promotion of uptake opportunities that may arise at national level and could help further stimulate the Network.

All the events developed in the frame of (or contaminated by) the National User Forum, are characterized by a common denominator

National and European obligations
(Nitrate, Water, Air Quality, Soilsealing...)





Last...but not least!

L'e-informa: The Italian National Copernicus User Forum Newsletter

Addressed to National Authorities, Industry and Italian MEP, the newsletter aims to shed light on the opportunities offered by the Copernicus Programme in terms of societal services as well as to support obligations in the frame of environmental monitoring.

Publicly available: the National Copernicus Products DB

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|--|-------------------|--|--|---|----------------------------------|
| | Prodotto | Tipologia di prodotto | Servizio Copernicus/CGS | Responsabile della risorsa | e-mail |
| | | Descrizione delle applicazioni del prodotto | Descrizione delle funzioni del prodotto | Punto di contatto | Telefono |
| 🔍 | NINFA-E | Modello | CAMS - Servizio Monitoraggio dell'Atmosfera | Centro Tematico Regionale Qualità dell'Aria ARPA Emilia Romagna- SIMC (Servizio Idro-Meteo-Clima) | mdeserti@arpa.emr.it |
| | | <i>previsione quotidiana di qualità dell'aria per informazione al pubblico e gestione provvedimenti sul breve periodo. Valutazione annuale della qualità dell'aria a fini normativi (Dir 96/62 CE e D.Lvo 155 2010).</i> | <i>previsione e valutazione quotidiana qualità dell'aria sul Nord Italia ed Emilia-Romagna</i> | Marco Deserti | (+39) 051525915 |
| 🔍 | Corine Land Cover | Dataset | CLMS - Servizio Monitoraggio del Territorio | Istituto Superiore per la Protezione e per la Ricerca Ambientale | valter.sambucini@isprambiente.it |
| | | <i>Copertura del suolo vettoriale in 44 classi su 3 livelli tematici (MMU 25 ha).</i> | <i>Copertura del suolo vettoriale in 44 classi su 3 livelli tematici (MMU 25 ha).</i> | Valter Sambucini | (+39) 650072074 |
| | Consumo di suolo | Dataset | CLMS - Servizio Monitoraggio del Territorio | Istituto Superiore per la Protezione e per la Ricerca Ambientale | michele.munafò@isprambiente.it |



Thanks!

Bernardo De Bernardinis

Delegato nazionale al Copernicus User Forum

Coordinatore del Forum Nazionale degli Utenti Copernicus

Grazie per l'attenzione

B. De Bernardinis

Delegato nazionale al Copernicus User Forum

Coordinatore del Forum Nazionale degli Utenti Copernicus