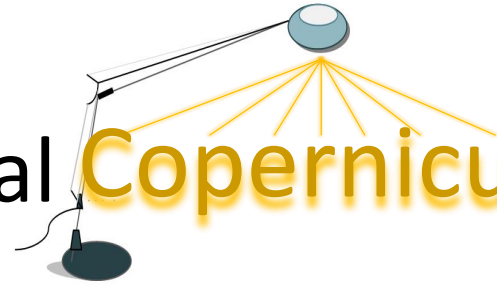


# The Italian National Copernicus User Forum State of Play



Bernardo De Bernardinis

## 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 and coordinated decisions about the ongoing and foreseen activities in the three Copernicus Bodies (Committee, User Forum and Security Board).

## 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 users' needs and requirements.

## ...and perspectives!

The medium term objective of the National User Forum is **to stimulate and produce a qualified, authoritative and coordinated national space policy in the Programme**, particularly regarding **all Core Services** offered at the European levels as well as **the Downstream Services** that can be originated from them.

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

## 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.

**All the events developed in the frame of the National User Forum,  
are characterized by a common denominator:**

***National and European obligations***

**(Water, Soil sealing and urban sprawl, Nitrate, PAC, Air Quality, etc. ... )**

# The Copernicus CGS : The National Collaborative Infrastructure ... extended !!

## The Ground Segment:

### Copernicus Missions:

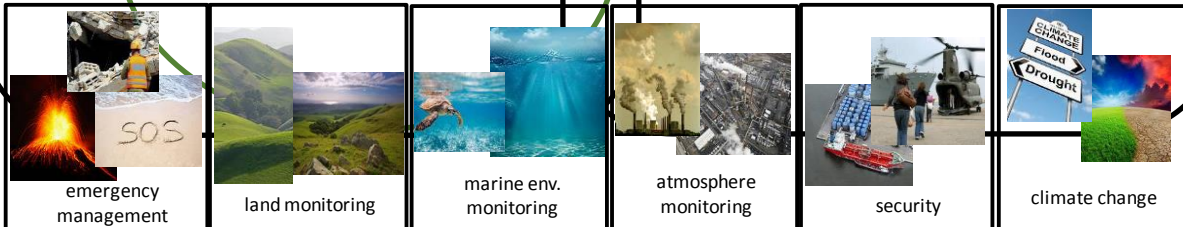
Sentinel 1, Sentinel 2, ... , Sentinel x, ...

### Contributing Missions:

CosmoSkyMed, ....

### Other Missions:

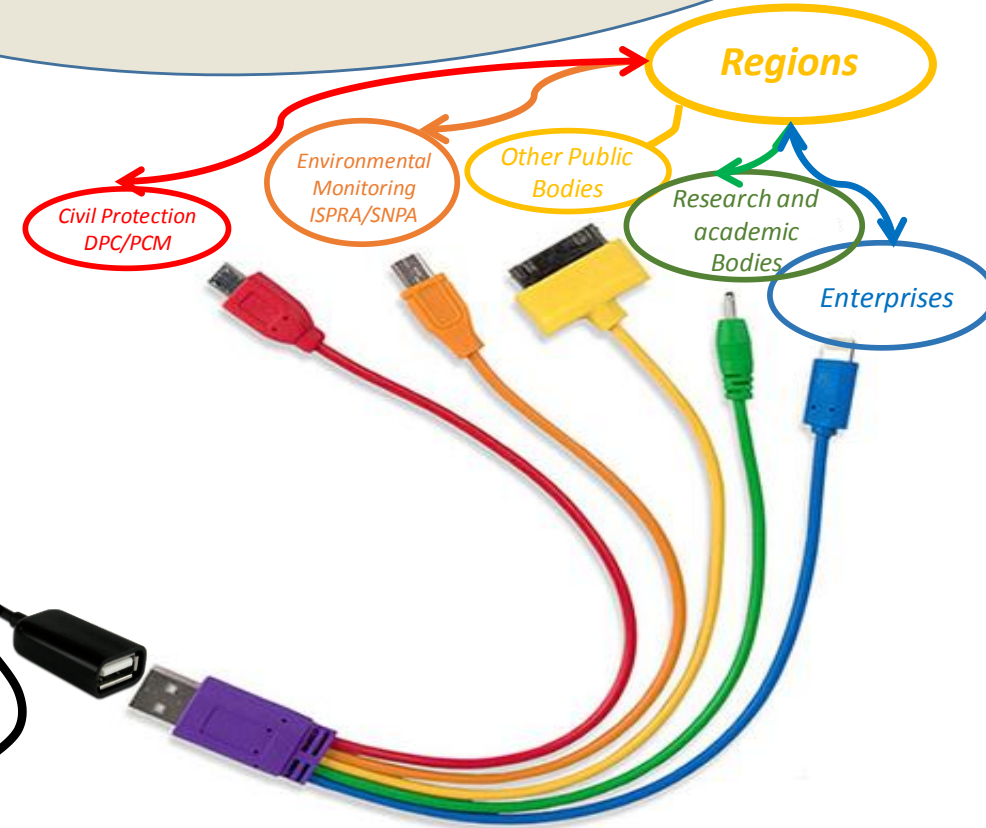
Saocom, ....



### The Basic National Services:

- i) Reference and real time archiving and "big data" management ...
- ii) First level information (Raw and processed data, ...)
- iii) Second level information (DTM, mapping of natural and human systems morphology, ...)
- iv) Third level information (land use, transformation and movement mapping, ...)
- v) ...

# National User Forum



## Coming event

### National Workshop

## From Core Services to User Uptake - Downstream Potential for SME (25/11)

Discussants:

**Enterprises Associations to present the National SME landscape**

**Ministry of Economic Development to provide elements related to the Space Economy Development**

**H2020 National Delegate to explore SME potential on EU Research Programme**

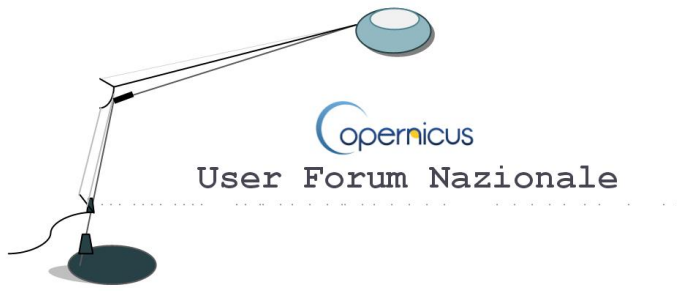
**APRE Space to explore EU extra-H2020 opportunities**

**ABI (Italian Bank Association) to explore financial scenarios**

Moderator: SpaceTech Partners (Leader in several Copernicus Framework Contract Services)

Aim of the workshop

**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.**



**Last...but not least!**

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

Addressed to National Authorities, Industry and Italian European MPs, **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.**

### **... and now publicly available: the Italian National Copernicus Products DB**

Page << < 1 > >> of 3 Records 1 to 20 of 50 20 ▾					
	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	michela.munafò@isprambiente.it