

A satellite in orbit around Earth, with several colorful orbital paths (blue, yellow, red, green) shown. The Earth is depicted with a grid of latitude and longitude lines. The background is dark blue.

Copernicus for Local and Regional Authorities

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Copernicus

NEREUS stands for „Network of European Regions Using Space Technologies“



25 Full Members
(Regions)
40 Associate Members

Regional Authorities
Regional Administrations
Potential End users



PLATFORM





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OUTLINE

- Local and Regional Authorities (LRA) in Europe
- Value of Interregional collaboration for Copernicus Deployment



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Local and Regional Authorities in EU

One definition of LRAs at European level...

.....yet many variations in different Member States of the Union.....



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LRAs in Greece



13 Regions and 325 Municipalities

1. Attica
2. Central Greece
3. Central Macedonia
4. Crete
5. Eastern Macedonia and Thrace
6. Epirus
7. Ionian Islands
8. North Aegean
9. Peloponnese
10. South Aegean
11. Thessaly
12. Western Greece
13. Western Macedonia



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Copernicus & LRA-competences

Competences of Regions in Greece:

- ⇒ **Planning/Programming and regional development including investment;**
- ⇒ **Agriculture/livestock and fisheries;**
- ⇒ **Natural resources, energy and industry;**
 - Employment, trade and tourism;
 - **Transport** and communications;
- ⇒ Public works, **urbanism, spatial planning, environment;**
- ⇒ **Health;**
 - Education, culture and sport, and
- ⇒ **Civil protection** - logistics

⇒ Copernicus provides to most competences vital information!



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Copernicus & LRA-competences

Copernicus provides information for

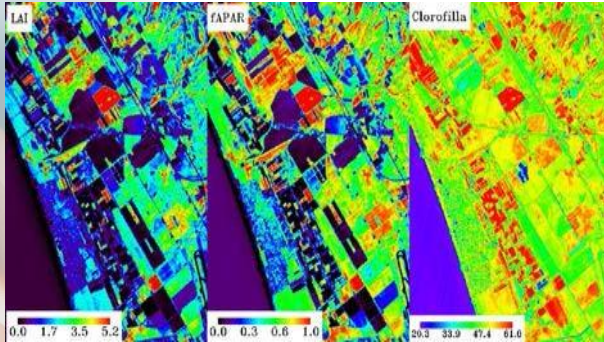
- Measuring
- Monitoring
- Analysing
- Forecasting/Planning



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Value of Interregional Collaborations

⇒ **Interregional Collaborations** can be effective to bring the process from



from satellite imagery



for public administrations

**and motivate more administrations
to actually use it even better**



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Situation in public administrations

Although Copernicus entered stage of operability and SENTINEL-data is free and open available –

- ⇒ Use and understanding of the system is very diverse across Europe
- ⇒ Very different levels of maturity when it comes to using Copernicus data
- ⇒ Different interests, profiles and framework conditions



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Commonalities of European Regions - 1

- Territorial challenges and natural assets, mountains, lakes, rivers, and coasts have no borders (Mediterranean Sea, Alps, Pyrenees, Danube, River Rhein, etc.)
- EU-regions manage joint territorial tasks (flood, snow, preservation flora & fauna) and need to broaden and improve Copernicus-uses
- Eu-regions have to implement EU-Directives and EU-environmental legislation



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Commonalities of European Regions - 2

- Regional administrations face similar challenges when it comes to Copernicus-deployment
 - ⇒ Building of political will (mandate)
 - ⇒ Establishing and raising awareness and understanding of benefits and added value of the system, capacity building, education, training, collecting convincing indicators
 - ⇒ Definition of profile and needs for Copernicus uses (Copernicus is global **but definition of needs is regional/local**)
 - ⇒ Assuring adequate technical infrastructure
 - ⇒ Designing smart financing models



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Why Interregional Collaborations? - 1

- Experiences on NEREUS-platform (gained in projects, conferences, seminars, workshops, publications) showed that **interregional collaborations** are a vital tool to broaden and improve Copernicus uses:
 - ⇒ critical mass,
 - ⇒ knowledge and experience sharing,
 - ⇒ pooling of resources, avoid duplication of efforts
 - ⇒ collective problem-solving
 - ⇒ collective experiencing benefits and added value



- Groups of regions face similar territorial challenges and have common interests with respect to Copernicus-uses e.g.:
 - South European regions: Forest fire
 - Maritime regions: Evolution of coasts, jelly fish monitoring
 - Riparian regions: Flood management

WHAT CAN SENTINELS DO FOR REGIONS?

A TRIP FROM MOUNTAINS TO VALLEYS
Copernicus satellites as "sentinels"
of environmental and economic challenges

20 October 2015
from 09.30 to 17.30

Palazzo Lombardia, Milan

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O uso de dados Sentinel para apoio na gestão e ordenamento do território terrestre e marinho
The use of Sentinel data for supporting land and marine spatial planning and management

Especificidades de pequenas ilhas oceánicas
Specificities of small oceanic islands

28 Setembro
September 2015

Laboratório Regional de Engenharia Civil
Ponta Delgada, São Miguel - Açores



**THE GROWING USE OF GMES
ACROSS EUROPE'S REGIONS**



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Value of Interregional Collaborations

- ⇒ Copernicus is a common good
- ⇒ Let's make it a collective experience reaping the benefits for Europe's citizen and territories



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Thank you for your attention

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