

NEREUS

Ljubljana/Slovenia

Monday, 09 December 2013

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

25 Full Members (regions) +
40 Associate Members

Abruzzo (I)	Guyana (F)
Andalusia (Spain)	Hesse (D)
Apulia (I)	Lazio (Italy)
Aquitaine (F)	Lombardy (Italy)
Azores (Portugal)	Madrid (Spain)
Baden-Württemberg (D)	Mazovia (Poland)
Basilicata (I)	Midi-Pyrenees (F)
Bavaria (D)	Molise (Italy)
Brandenburg (D)	Piedmont (Italy)
Brittany (F)	South Holland (NL)
Brussels Capital (B)	Veneto (Italy)
East Midlands (UK)	Wallonia (B)
Free Hanseatic City of Bremen (D)	



In a nutshell

- Emphasis of the network is on **USING** space technologies on **EARTH!**
 - EO/(GMES) Copernicus
 - Global Satellite Navigation (GNSS) – Galileo EGNOS
 - Telecommunication
 - Technologies from Space Exploration

NEREUS is about **USING**

- Today we are constantly using space based services - There are more than 30.000 space based applications and services available
- NEREUS is about
 - making these space uses more transparent (e.g. video, publications of regional best practices),
 - outreach to regions and administrative level to explain added value to regions, their citizens and companies
 - bring users together and
 - stimulate regional actors to explore the use of space services
 - stimulate the development of regional applications

What do we offer to regions? (1)

NEREUS



What do we offer to regions? (2)

- Advocacy for regional concerns: Common platform for regions to develop common positions and making sure that EU-space programs meet the needs of regional stakeholder (via Joint Position Papers and Liaising and Dialogue with European Institutions and policy level):

NEREUS-Position Paper on the EC-proposal of a Copernicus Regulation post 2014 (Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL establishing the Copernicus Programme and repealing Regulation (EU) No 911/2010)

What do we offer to regions? (3)

- Mobilising convincing EU-funded projects and activities
- Promoting member's space activities and projects (NEREUS-website, events, publications, dissemination of project results)
- Information and knowledge exchange
- Networking and building strong partnerships

Why regions?

Regions in their institutional role:

- large end-user group
 - thus key market for Copernicus data and services
 - Regions need Copernicus data to comply with current EU-environmental legislation, to implement wide range of EU-Directives e.g. EU-Air Quality Directives, Ground Water Directive, INSPIRE etc.
- ⇒ EUROPE lacks a full overview for the implementation of which Directives Copernicus data might be helpful!!!

Regions as a fertile ground to develop Copernicus applications

- Regions are the closest level to the European citizen
- Regions host different institutional player and different economic and business communities (non-space sector and space sector)
- Regions support and host innovation stimulating structures (such as business parks, clusters, networks, etc.)

Core mission NEREUS

Spreading use of space technologies at regional level

Stimulating the development of space applications

Awareness raising/Promotion for potential of space and its benefits for regions and their citizen

History

March 2006: Conference “the role of Europe’s regions in GMES”

April 2006: Graz conference “A Market for GMES in Europe and its regions”

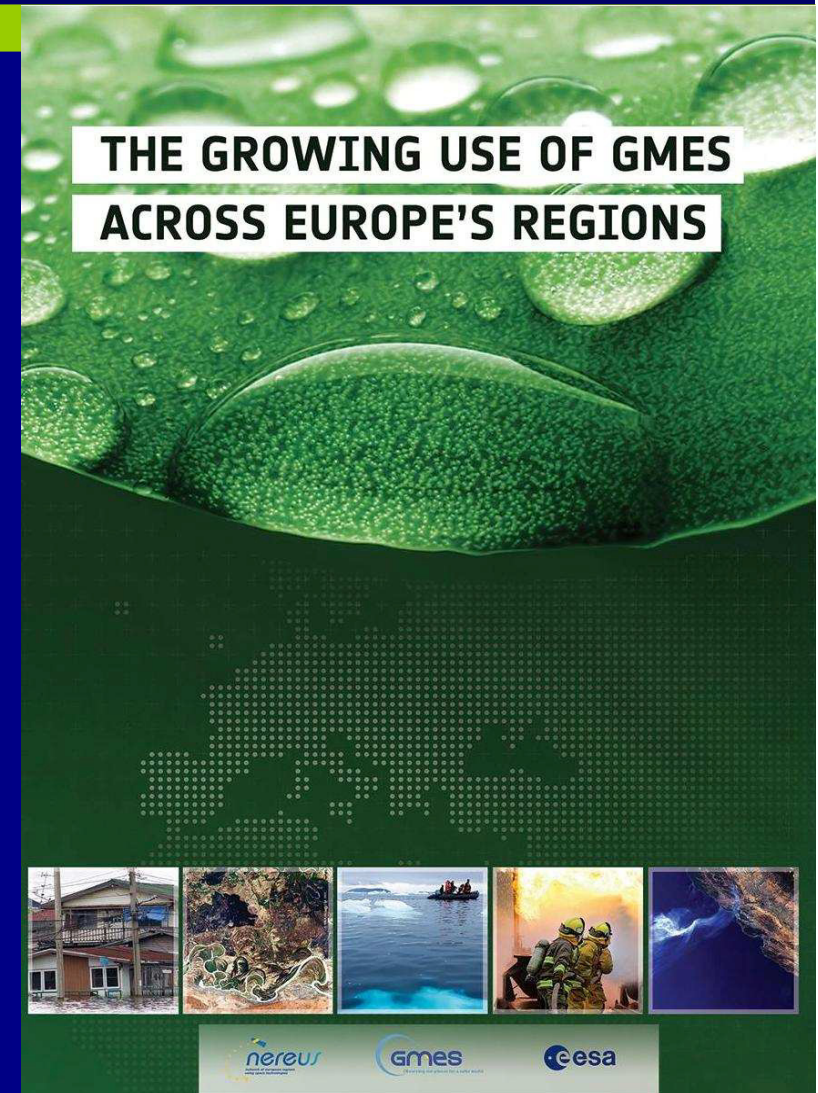
December 2007: Signature of Political Charta by 23 European regions

April 2008: Founding NEREUS a.i.s.b.l.

February 2009: Establishment of permanent NEREUS-secretariat in Brussels

NEREUS/ESA-collaboration (1)

- Joint NEREUS/ESA publication
 - Through a call for articles project team gathered 67 regional GMES-uses from 47 different regions covering 17 Members States
 - Reference book for policy makers to understand the social and economic benefits of Copernicus uses in Europe



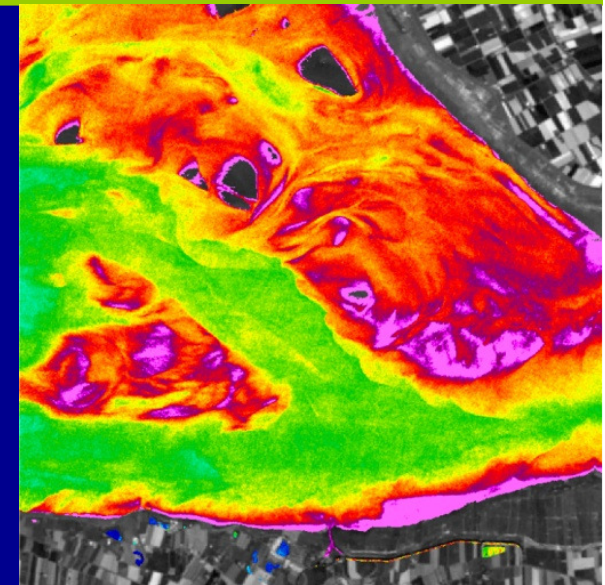
NEREUS/ESA-collaboration (2)

- Objectives had been to demonstrate to a non-technical audience the added value of Copernicus uses by portraying cases where Copernicus contributed to better informed decision making, better deployment of available resources, cost- and energy savings, more precision etc
- Benefits for the citizen key criteria
- In which areas are Copernicus uses relevant for regions?

NEREUS/ESA-collaboration (3)

Using Copernicus data for environmental purposes (Water, Air, Land quality etc.) and Crisis Management were identified as areas of significant importance to regions:

- Crisis Management - 9 articles: Forest Fires; Flood Management, Earth Quakes: Copernicus data contributes to supporting the rescue service responding to various natural and manmade disasters; identifying risks to buildings and bridges from subsidence, oil spills, rapid response to forest fires.)



Suspended matter content of the river Elbe. The dynamic and varying concentration can be highlighted

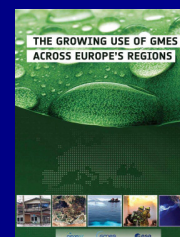
NEREUS/ESA-collaboration (4)

Using Copernicus data to monitor

- Water Quality was identified as an important area (5 articles: Andalusia, Bavaria, Flanders/Wallonia/Bxl-Capital, Brittany, Balaton Lake)
- The Balaton Limnological Institute used satellite imagery and highlighted in its article that Sentinel data will support the initiative by providing high-resolution data
- Air Pollution from traffic and industry/Air Quality is of high relevance for many regions (4 articles: East Midlands, Lombardy/Emilia-Romagna, Tuscany)
- Agriculture/Forestry
- Managing coastlines

Voice of European regions - Advocate of Regions for matters of space uses

- NEREUS invited **end-user representatives** to join a Parliament Debate and festive launch event of NEREUS/ESA-GMES-publication on 10/10/2012
- Among the invited speakers ESA-Director Volker Liebig, MEP Glante, Prodi, A. Patriciello, Head of EC-GMES-Bureau Schulte-Braucks, Prof. Wells
- 114 registered participants
- Covered on ESA-website and more info on NEREUS-website



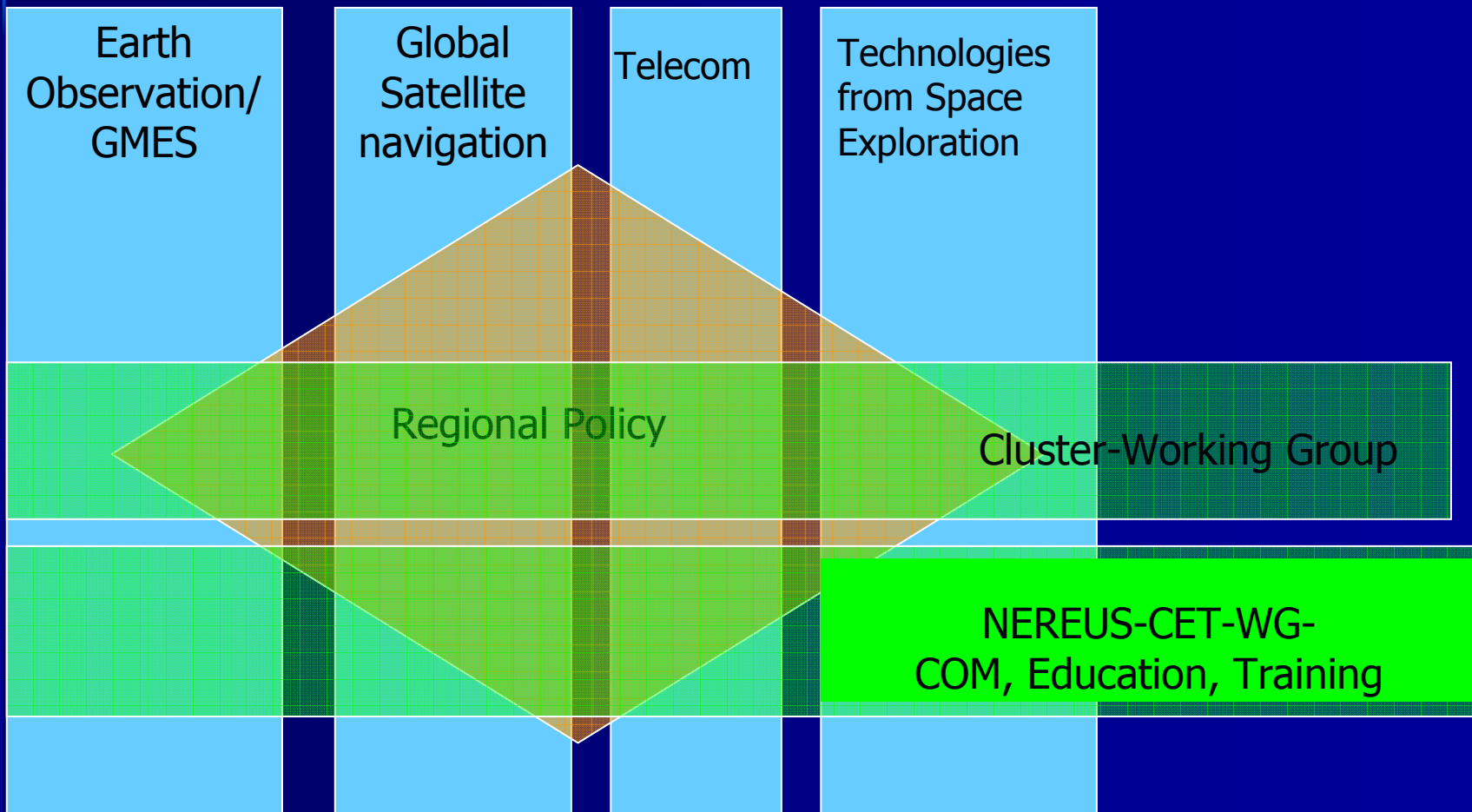
Lessons learnt

- Numerous examples are already available to demonstrate that Copernicus is an important tool to contribute to better informed decision making, more effective deployment of resources and long term planning and decision making
- Space community and service provider need to communicate more effectively with non-specialist audience, more focused on solutions, benefits etc.
- Potential end-user better defined and approached
- Dialogue/interaction between LRA and service-provider needs to be enhanced
- More knowledge and information about needs of LRA's is needed

Follow-up initiative (1)

- Improving Copernicus take-up among Local and Regional Authorities via dedicated thematic workshops: Launching a dialogue between local and regional authorities (LRA) to learn more about their specific needs but also the obstacles for deployment of Copernicus Services
 - Online Consultation of Local and Regional Authorities (LRA) via NEREUS-website about their key interest areas/topics
- ⇒ **PLEASE SUPPORT US and mobilize your LRAs to participate in this consultation!!!!**

Core Areas of Cooperation



Dynamic Platform to mobilize projects

- Joint NEREUS/ESA-initiative
- DORIS_NET and its network of RCO's (13 NEREUS-partners)
- THE ISSUE (5 NEREUS-Partners)
- ERASMUS
- BRESAT and SABER initiatives:
Thematic Networks on Broadband
- 2013: Madame Curie, SME-initiatives

THE ISSUE

- THE ISSUE: Traffic- Health-Environment- Intelligent Solutions Sustaining Urban Economies –
- Funded within the EC Regions of Knowledge project of the EU FP-7-program
- Consortium comprises research clusters from 5 NEREUS-regions (East Midlands, Molise, Mazovia, Midi-Pyrenees and Aquitaine Regions)
- Creation of a vibrant partnership of regional research clusters to bring together and coordinate already-existing and projected RTD programmes relevant to “THE” both within the clusters and more widely in the broader European research community

Thank you for your attention
<http://www.nereus-regions.eu/>