

NEREUS

09/01/2013

Meeting in Helsinki

NEREUS-Presentation

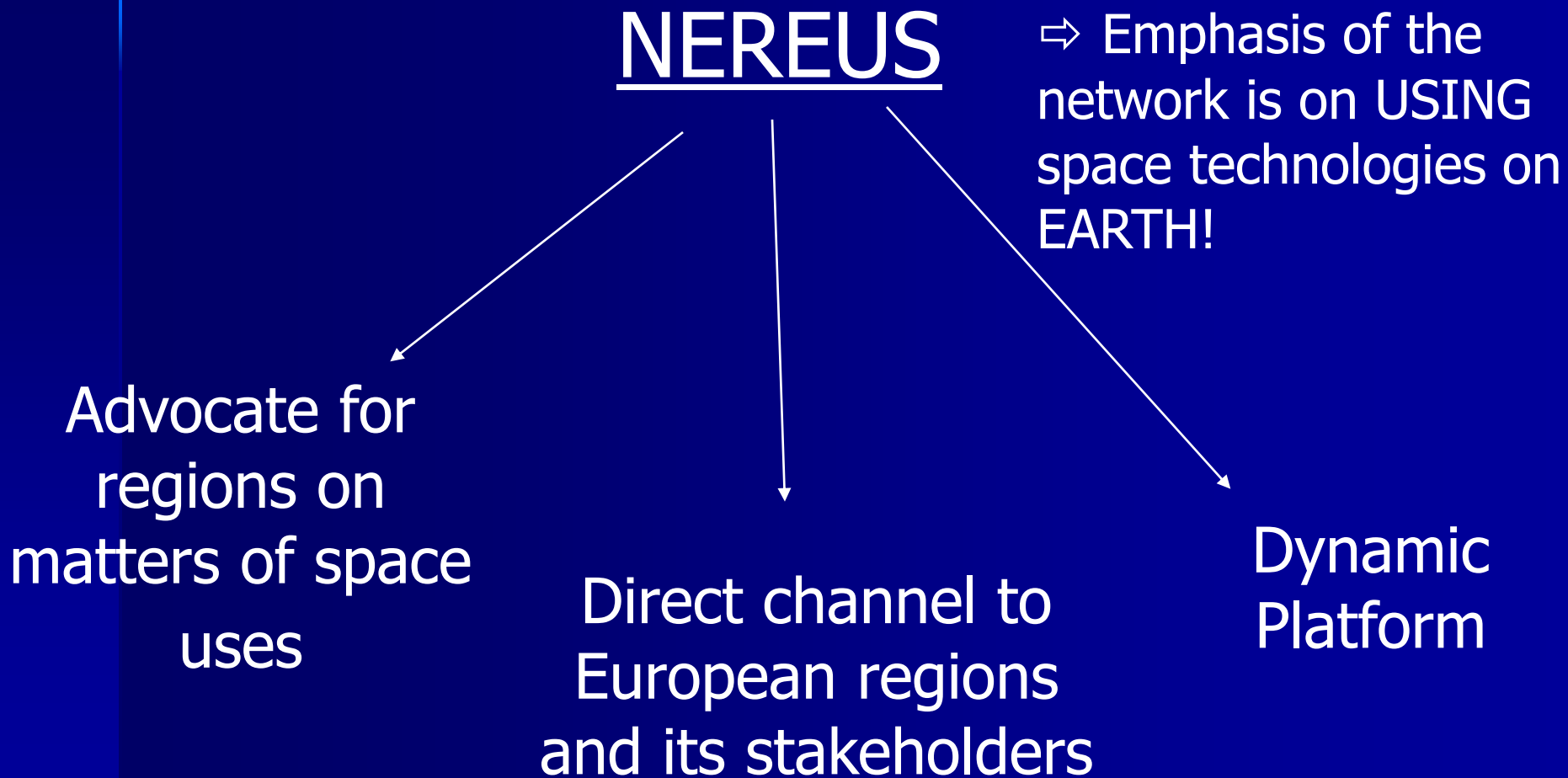
- 1) NEREUS in a nutshell
- 2) Examples of project mobilized on NEREUS-platform
- 3) Outlook 2013

25 Full Members (regions) + 38 Associate Members

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



Main Elements



In a nutshell

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

NEREUS 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 Rationale

- Space technologies play a key role in supporting the economic growth, industrial competitiveness, scientific research and innovation and a sustainable development of the European Regions
- The NEREUS-network was created with the aim to close the existing gap between the space technologies end-users and institutional actors of European Space policies at regional level

Space Uses

- Today we are constantly using space based services - There are more than 30.000 applications and services deriving from space exploitation
- EO/GMES and Galileo/EGNOS offer manifold uses at regional level (NEREUS-publications)
- Cross sectorial-uses of space services/cross fertilisation between space sector and other industry sectors is essential

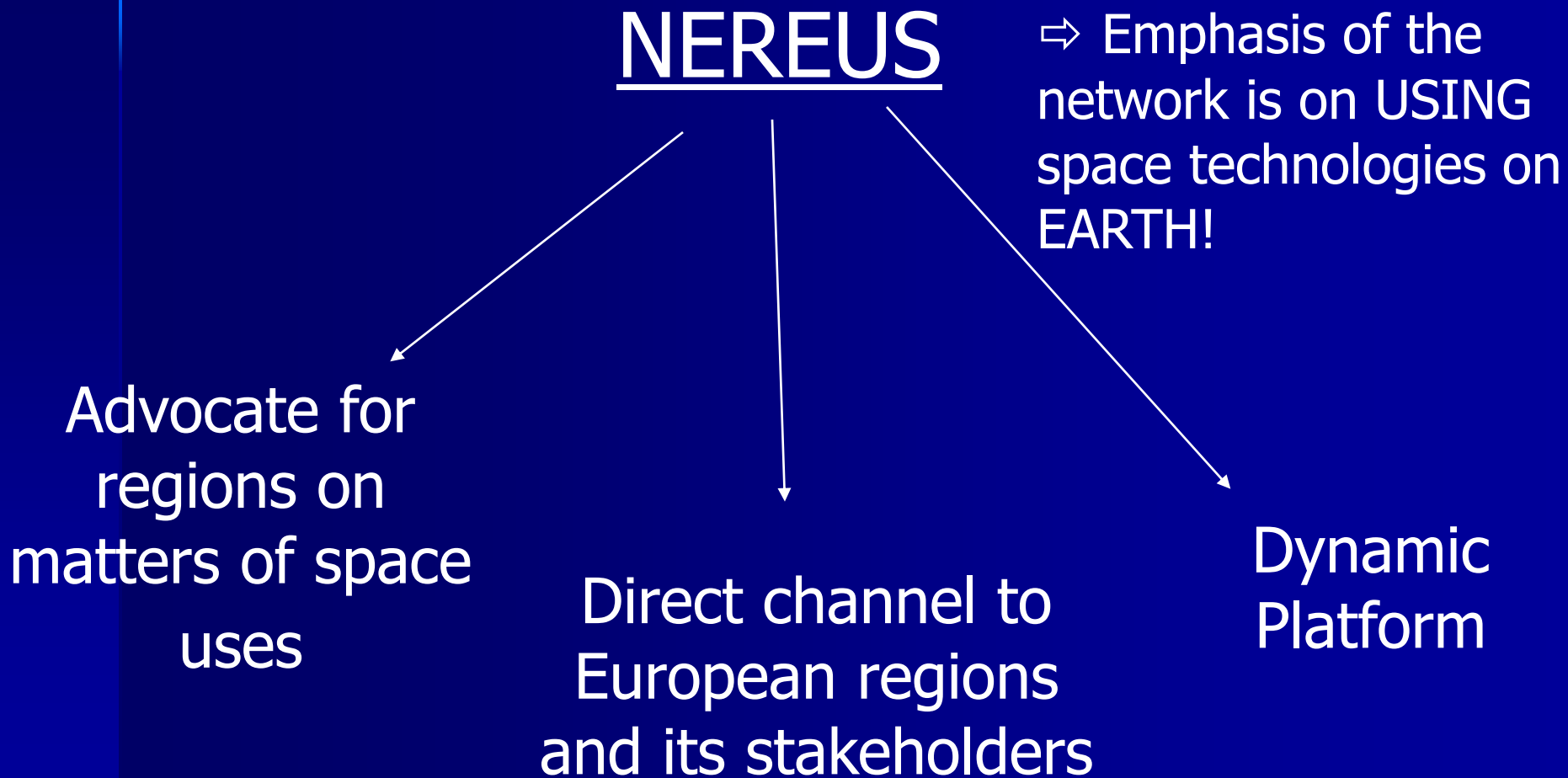
Core mission NEREUS

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

Main Elements



NEREUS Strategic Objectives

- An advocate for the regions in matters of space policy
- A key source of information on space matters in Europe for its members
- A direct channel to the regional community – its citizens, enterprises, actors, researchers, networks etc.

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

Examples:

- Position Papers – e.g. two NEREUS-position papers with the respect to the future funding of Europe's space programs, in particular GMES
- NEREUS input to report by MEP Marian Jean Marinescu Proposal for a regulation on the implementation and exploitation of European satellite navigation systems (vote scheduled for 19/12/12)

Added value of regions

Regions unite in their territory actors of innovation triangle (industry, SME, academia, research organisations)

Regions host 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.)

Regions as regional/local level close to the citizen

Channel to and from regions

- ⇒ Sharing experiences and accessing situation at regional level:
- In 2012 Mini-study report: *"Smart Specialization in Space:
The economic potential of space technology and downstream services for Europe's regions"*
- Study of the Italian regions *"Territorial satellite technologies: the NEREUS network's Italian experiences"*
- NEREUS/ESA initiative « Growing the use of GMES »

Promotion of regional space activities

With the objective to spread a wider awareness and understanding of space services NEREUS produces tools that showcase regional space activities

- ⇒ NEREUS-Publications
- ⇒ NEREUS-Video
- ⇒ NEREUS-exhibition
- ⇒ Currently: Joint NEREUS/ESA-GMES-publication

EO/GMES

67 regional GMES-uses
from 47 different regions
covering 17 Members
States

Reference book for policy
makers to understand the
social and economic
benefits derived from the
use of GMES in Europe

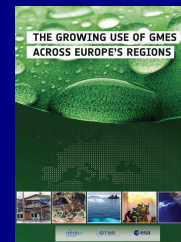


THE GROWING USE OF GMES ACROSS EUROPE'S REGIONS



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

- 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, end-user representatives, Prof. Wells
- 114 registered participants
- Covered on ESA-website and more info on NEREUS-website



NEREUS-Platform

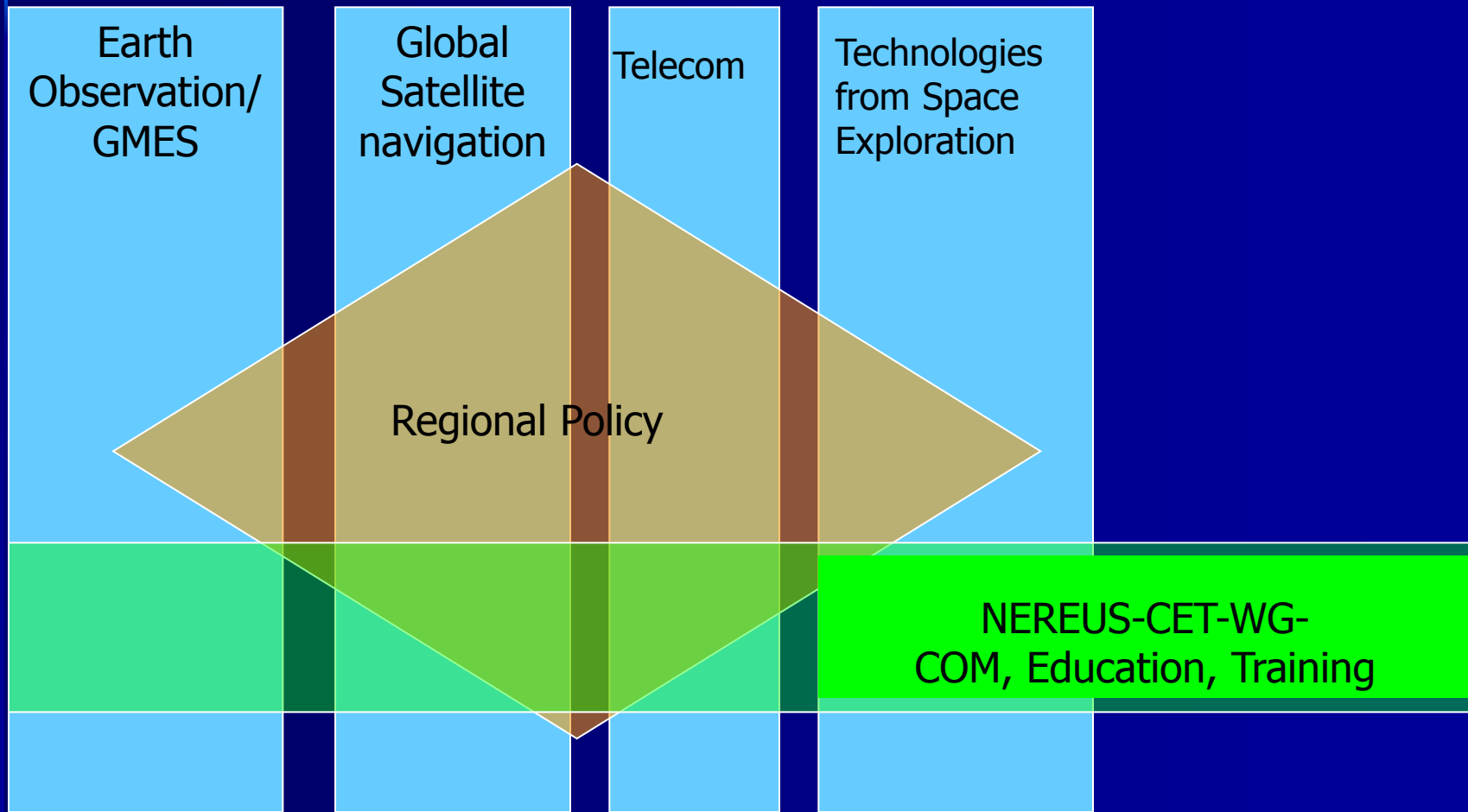
For its members NEREUS wants to provide a platform for:

- Information and knowledge exchange
- Sharing experiences
- Networking and building strong partnerships
- Mobilising convincing projects and activities

Platform for interregional cooperation

- NEREUS offers platform to pool inter-regionally resources and competences to be fitter for large scale European activities
- NEREUS supports its members when mobilizing projects
- NEREUS supports partner search of potentially interested consortia
- NEREUS informs about EU-funding programs and calls
- NEREUS promotes projects of its partners
- NEREUS disseminates project results of its partners

Core Areas of Cooperation



Dynamic Platform to mobilize projects

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

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

ERASMUS-Project Proposal (1)

- 12 day masters level summer school to train students from partner institutes in the principles of Earth observation with applications to land, atmospheric and ocean monitoring

ERASMUS-Project Proposal (2)

- Co-ordinating Institute: University of Leicester, UK
- Partner Institutes: 1) Universidade dos Açores, Portugal. 2) Escuela Técnica Superior de Ingeniería de Sevilla, Spain. 3) Università degli Studi della Basilicata, Italy. 4) Politecnico di Milano, Italy. 5) Université de Rennes 1, France. 6) Université Rennes 2, France. 7) Institute Telecom Bretagne, France. 8) Université de Bretagne Occidentale, France

ERASMUS-Project -Objectives

- Increase student awareness and exposure to Earth observation research and industry, including practical experience of specialist software and tools for the analysis of satellite data
- Encourage interdisciplinary and collaborative approaches to solving Earth observation problems in different market and social sectors.

Outlook 2013 (1)

NEREUS strives to stimulate the development of space applications and to enhance dialogue/exchange among different actors of Value chain and potential end-user e.g.

→ Planned thematic WSs on

- a) Space Uses & Civil Emergencies,
- b) Space Uses for Maritime Purposes and
- c) Space Uses and & Agriculture

Outlook 2013 (2)

- Awareness raising towards different societal target groups
- NEREUS-exhibition (poster presentations, video and publications) moves across member regions – We wish to grow the NEREUS-exhibition with objects explaining/demonstrating space uses and interactive material (see call)
 - http://www.nereus-regions.eu/sites/all/events/SpaceExhib2012/Space%20Exhib._2012_call.pdf
- Develop further relevant promotion/info-tools

INVITATION

We are an open network and invite all European Regions to explore the potential the use of space technologies might have for them!
Come and join!



Thank you for your
attention