

NEREUS – the Network of European Region Using Space Technologies



Conference Venice

22 March 2011

Overview

- Role of regional level in the context of new European Space Policy
- NEREUS in a nutshell

A new Space Policy for Europe in the context of Art. 189 of the Lisbon Treaty

Art. 189 of the Lisbon Treaty

- Space – now horizontal EU Policy
- EU and its MS are now formally committed, to conduct **an ambitious Space Policy** to the benefit of its citizens, public authorities and the community of economic stakeholders
- Legal basis and an explicit competence in Space for the EU
- Shared competence with MS

Space as a horizontal EU Policy

Space is an important driver to meet current societal challenges and is fundamental for

- Europe 2020 Strategy
- European Industrial Policy („An integrated industrial policy for the globalisation era“)
- European Research and Innovation Policy
- European SME Policy
- EU approaches to meet the challenges of Climate Change

7th Space Council Resolutions: "Global challenges: taking full benefit of European space systems"

Brussels, 25 Nov 2010

- ⇒ flagship programmes Galileo and GMES (Global Monitoring for Environment and Security) remain the priorities for the EU in space



- ⇒ With EGNOS/Galileo and GMES the Union pursues two space initiatives which are close to the citizens
- ⇒ GMES and EGNOS/Galileo offer manifold uses for regions and their citizens
- ⇒ NEREUS came along with the growing role and impact of citizens for the development of GMES

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

In a nutshell (1)

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

In a nutshell (2)

- Members: 26 European regions (Full Members) and 33 Associate Members
- Initiative by regions - Regions share the governance of the network

26 Full Members

- 1.) Abruzzo (I)
- 2.) Andalusia (Spain)
- 3.) Apulia (I)
- 4.) Aquitaine (F)
- 5.) Azores (Portugal)
- 6.) Baden-Württemberg (D)
- 7.) Basilicata (I)
- 8.) Bavaria (D)
- 9.) Brandenburg (D)
- 10.) Brittany (F)
- 11.) Brussels Capital (B)
- 12.) Castilla y Leon (Spain)
- 13.) City of Vienna (AU)
- 14.) East Midlands (UK)
- 15.) Free Hanseatic City of Bremen (D)



26 Full Members

- 16) Guyana (F)
- 17.) Hesse (D)
- 18.) Lombardy (Italy)
- 19.) Madrid (Spain)
- 20.) Mazovia (Poland)
- 21.) Mecklenburg-Vorpommern (D)
- 22.) Midi-Pyrenees (F)
- 23.) Molise (Italy)
- 24.) Piedmont (Italy)
- 25.) Veneto (Italy)
- 26.) Wallonia (B)



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!



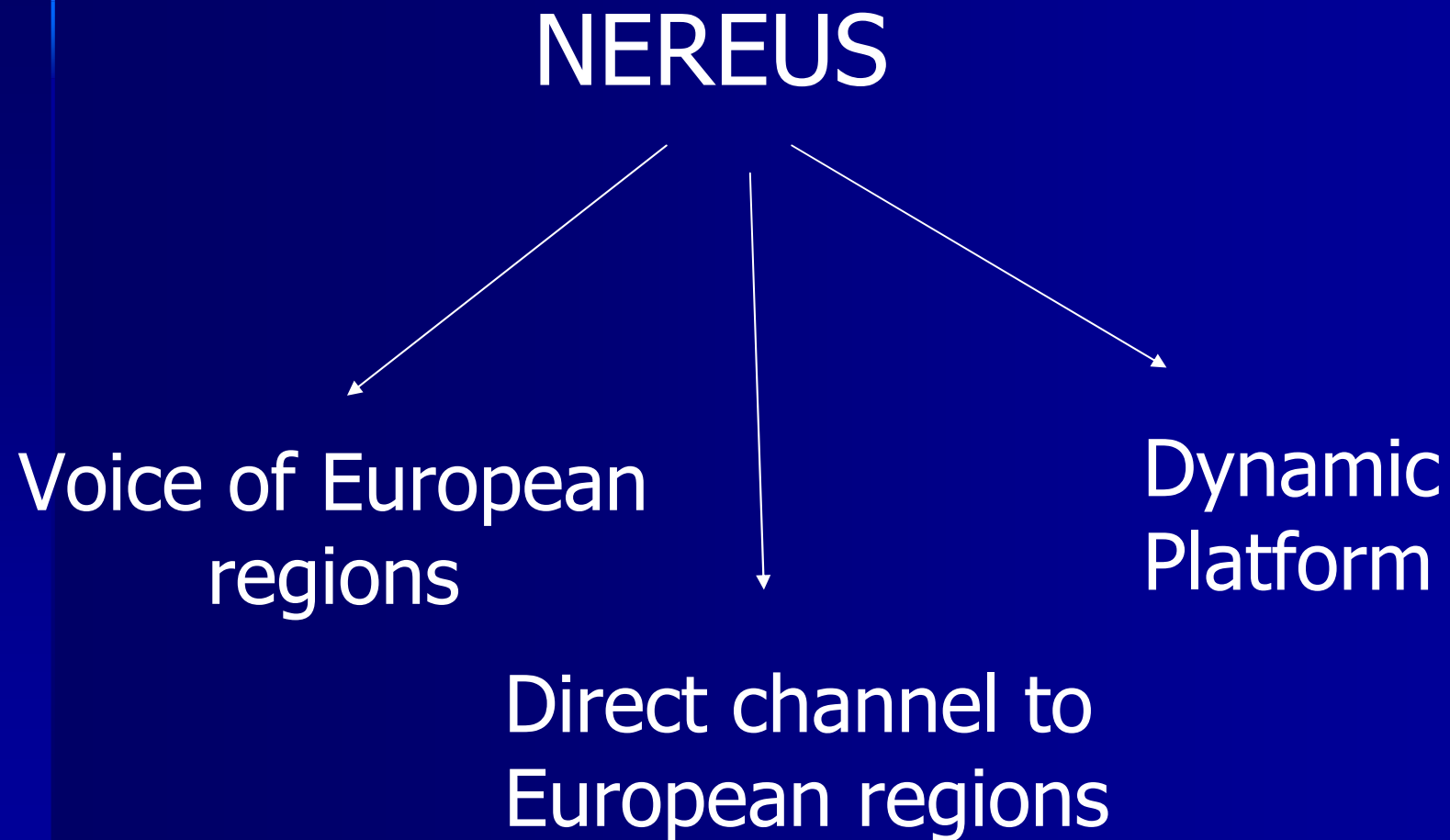
NEREUS Strategic Objectives

- 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.

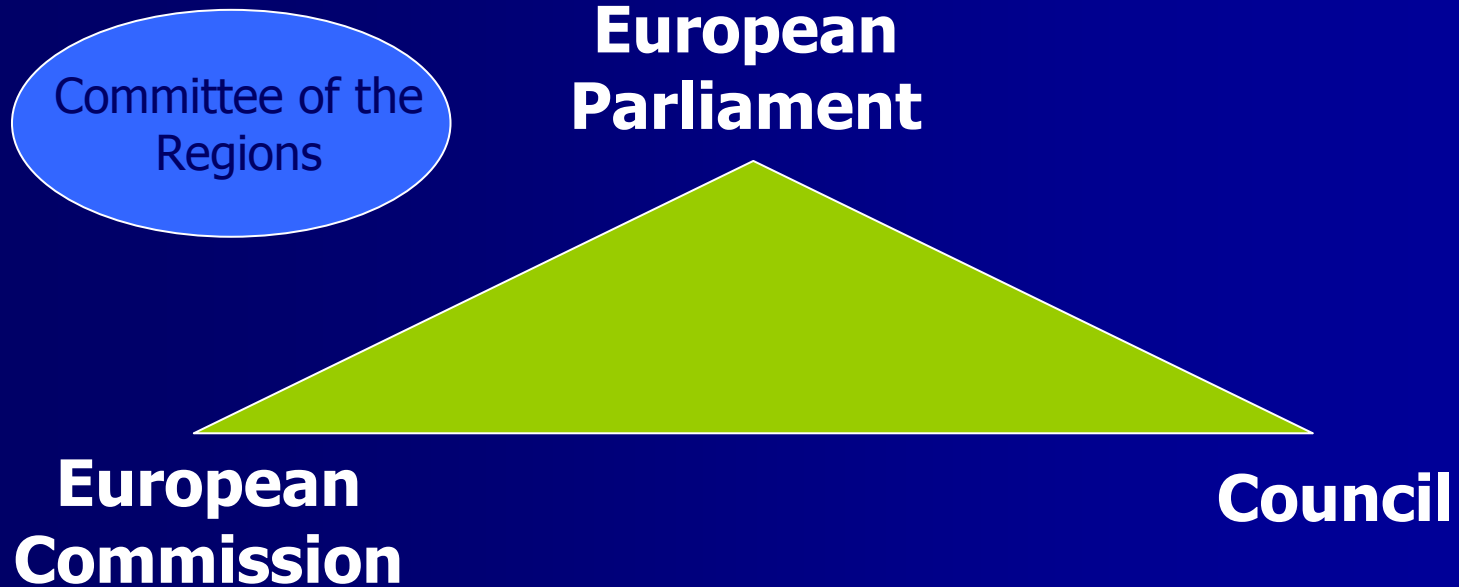
NEREUS Objectives

- Spread the use of space applications for the benefits of regions and European citizens;
- Enhance the involvement of regions and their citizens in European space activities
- Help constructing the space market: identifying user-communities and connecting end-users
- Identify and articulate user-needs
- Spreading the understanding of space
- Exploring funding opportunities for regional space applications

Main Elements



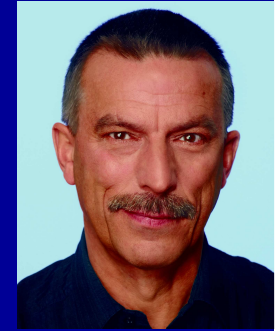
Dialogue with European Institutions



Dialogue with European Institutions

Political Dialogue (1)

- European Parliament Debate with MEP on proposed GIO-Regulation, 17 Nov 2009



NEREUS-GMES-Event



- 01 December 2010, 14.00 – 20.00h
NEREUS-Event under Belgian Presidency:
Debate with Regional and European
Representatives on “The future of GMES after
2014 from a regional perspective”
Key note speaker:
MEP Vittorio Prodi, Italy
(President of the
Sky and Space Intergroup)



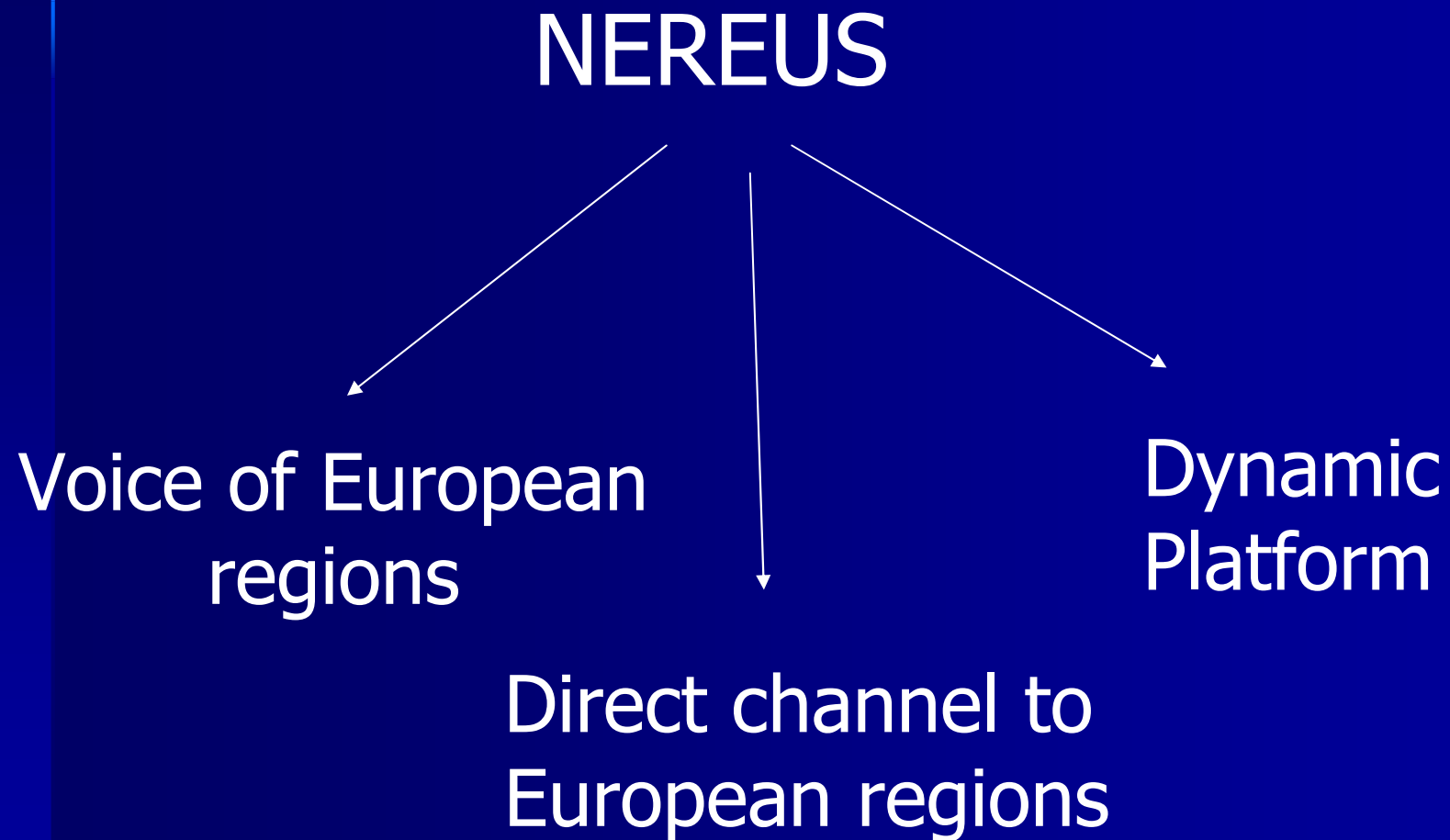
Exhibition in the European Parliament (1)

Idea:

- Space exhibition in the European Parliament in autumn 2011: **7-11 November 2011** under patronage of MEP Remek and in close collaboration with Sky and Space Group
- Festive Opening ceremony with representatives of Sky and Space Group and representatives of European institutions on **8 Nov 2011 at 6pm**



Main Elements

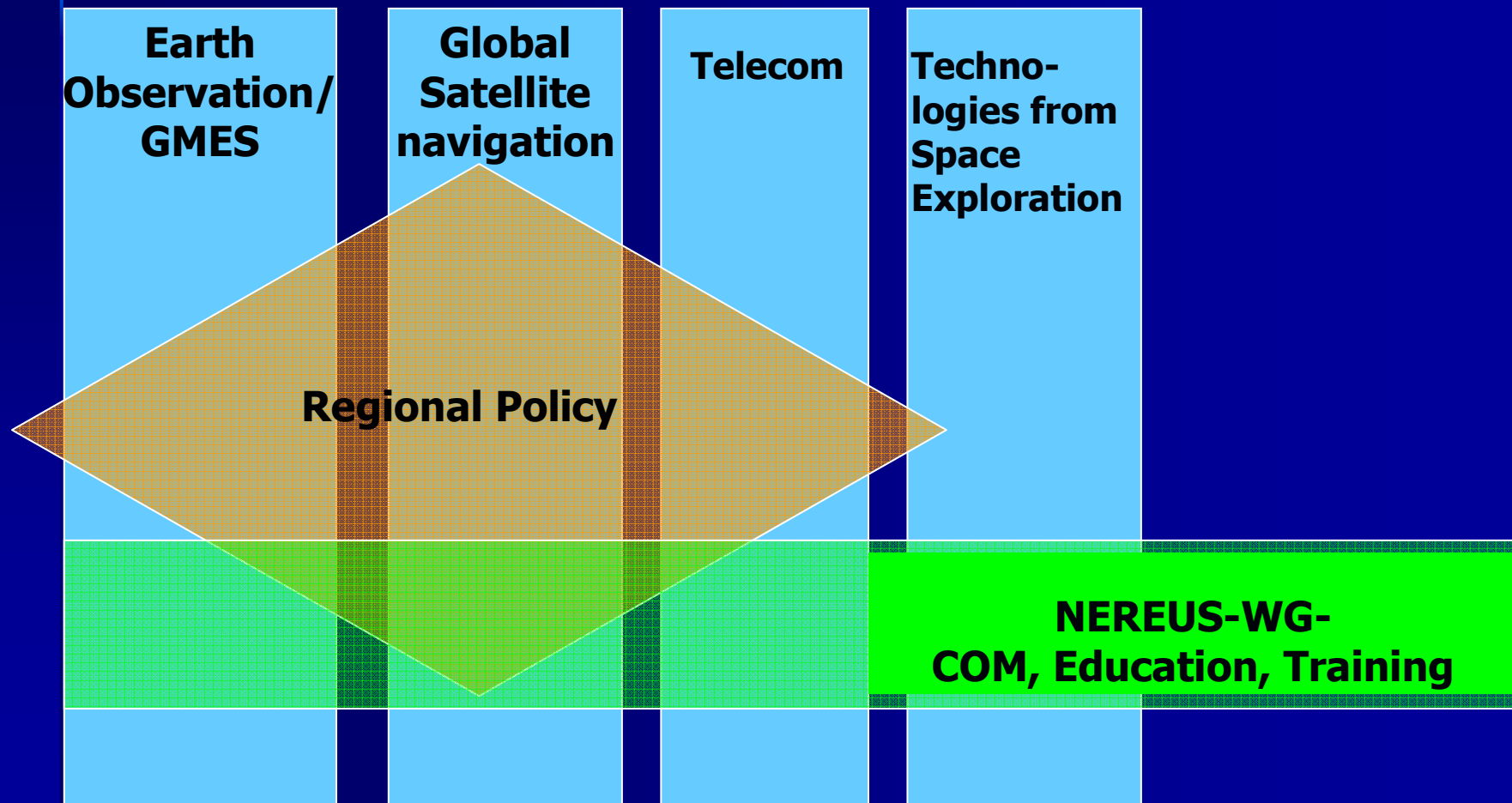


NEREUS-Plattform

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

Core areas of collaboration



EO/GMES-Working group



- Produced a promotional brochure of „25 GMES-Uses“ in NEREUS-member regions
- Concrete GMES-applications at regional level in different domains: land, maritime, atmosphere and civil emergencies
- Pan-European collaboration: 17 regions contributed to the collection



25 Uses of GMES in the NEREUS Regions

Prepared by the NEREUS Earth Observation / GMES Working Group

DORIS_Net-Project

- **DORIS: Downstream Observatory organised by Regions active In Space**
- Bremen (CEON) mobilised project proposal for FP7-Space/GMES-call in 2009
- Support Action - "Fostering downstream activities and links with regions"
- Project proposal was selected by European Commission and will start beginning 2011
- 13 NEREUS-partners involved in project activities
- NEREUS officially supports project

GNSS-Working Group

Chair of WG: Pierpaolo Campostini, CORILA (Veneto)

Core Activities:

- Collection and Exchange of Information
- Mapping opportunities within the existing European Programs
- Mobilising and supporting projects:
- Highlighting regional dimension of GNSS-policies and programs

GNSS-Working Group

GNSS Publication: "Satellite Navigation applications in The NEREUS Regions" with 23 illustrative examples of GNSS uses of member regions

CET – Working Group (1)

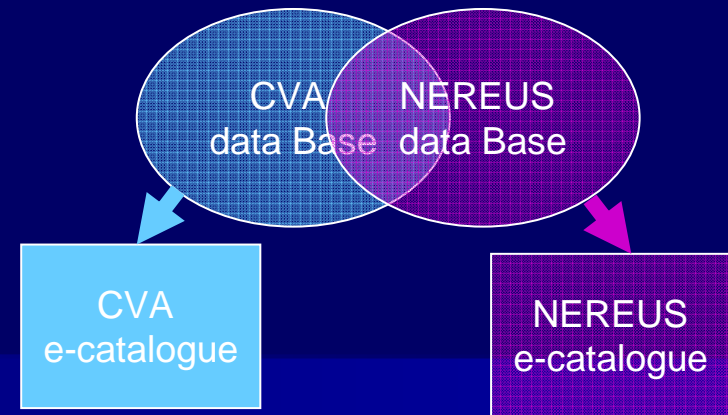
CET: Communication, Education and Training

- Co-chaired by Martina Hilger, Bremen and Malecka Saleman, CNES
- Started with mapping activities of University Learning Resources in the field of space technologies in the NEREUS regions
- Collects best-practices of space education

CET – Working Group (2)

- CET-Working Group: Proposal by Working Group to create web-based database: **e-catalogue for education formation and training in NEREUS Regions**
- Proposed data base builds on existing material of Arianne Cities
- user-friendly and more efficient
- Tool increases visibility of network
- Example of a tangible outcomes

e-catalogue for education formation and training



- Midi/P and CNES propose to set up initial database, NEREUS in charge of annual maintenance
- Take benefits of existing data base
 - ~155 courses in CVA cities of NEREUS
 - Schedule: start development in January, operational in September
 - All regions are invited to send information on study and training courses in their region



High-level WS on Danube Strategy & Space Technologies

- Date: 16 June 2011
- Venue: Hosted by CoR
- Confirmed Speakers:
 - Gerhard Stahl, Secretary General CoR
 - Michel Praet, Member of Cabinet Van Rompuy
 - Johann Friedrich Colzman, Member of Cabinet, Vice-Pres. Tajani
 - Hungarian EU-Presidency
 - High-level industry representatives (EADS/Astrium, Infoterra)

For more information on NEREUS, please
visit our website:

<http://www.nereus-regions.eu/>

