

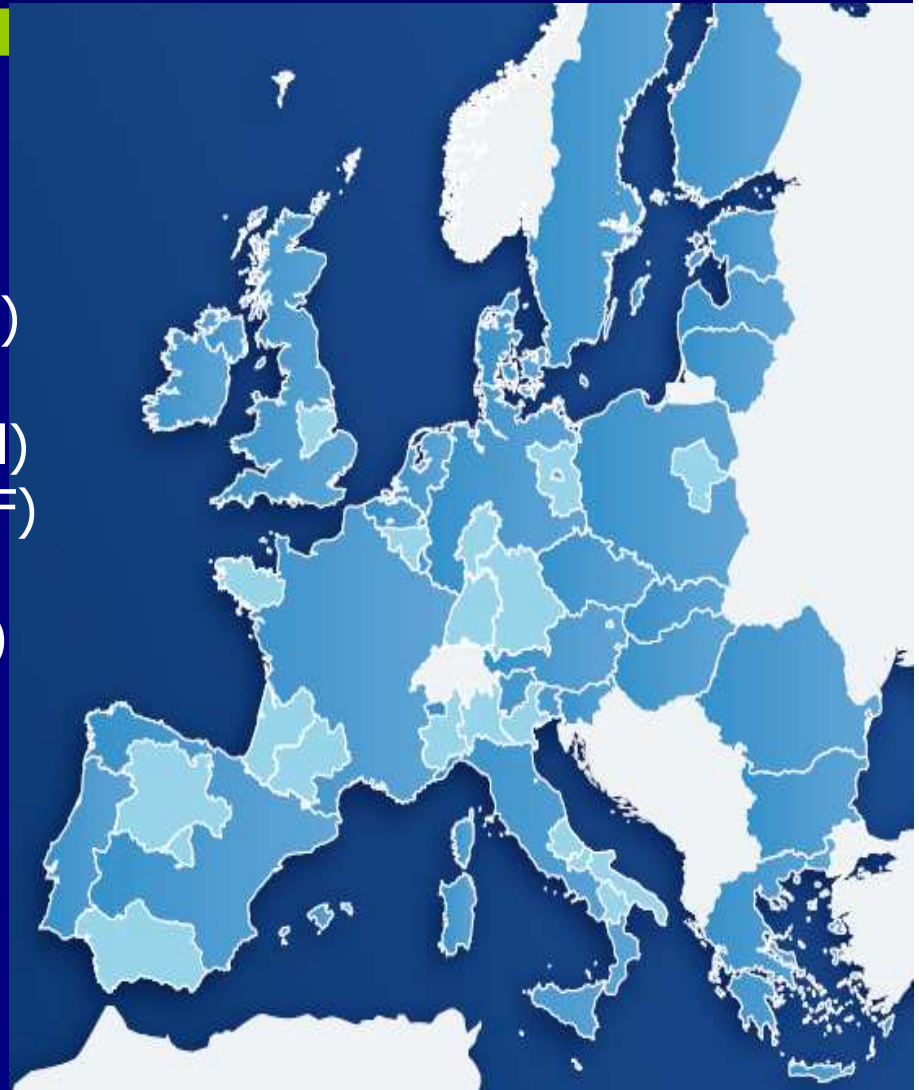
# NEREUS

EGU-Conference  
Monday, 08/04/2013

# 24 Full Members (regions) + 40 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)  
East Midlands (UK)  
Free Hanseatic City of  
Bremen (D)

Guyana (F)  
Hesse (D)  
Lazio (Italy)  
Lombardy (Italy)  
Madrid (Spain)  
Mazovia (Poland)  
Midi-Pyrenees (F)  
Molise (Italy)  
Piedmont (Italy)  
Veneto (Italy)  
Wallonia (B)



# 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

# Main Elements

## NEREUS

⇒ Emphasis of the network is on USING space technologies on EARTH!

Advocate for regions on matters of space uses

Direct channel to European regions and its stakeholders

Dynamic Platform

# 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

# 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

# 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

# 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.



# Promotion of regional space activities

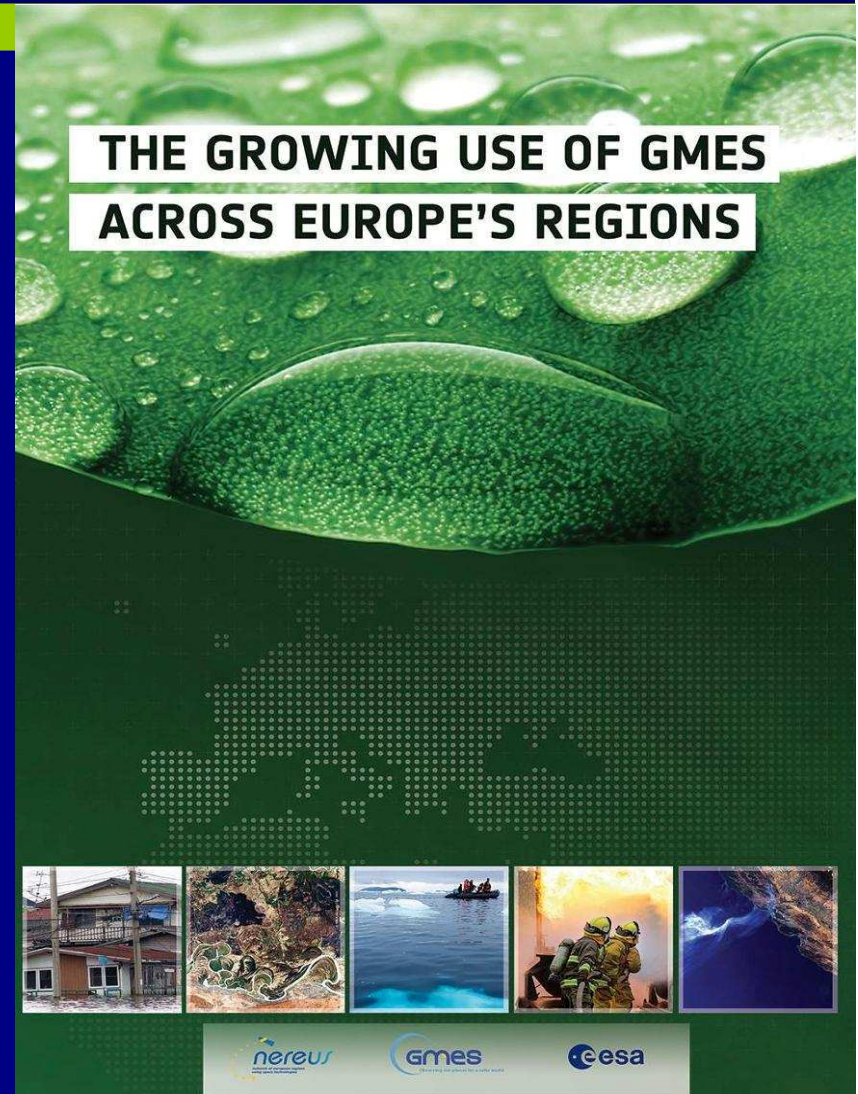
With the objective to spread a wider awareness and understanding of space services NEREUS produces tools that showcase regional space activities

- ⇒ NEREUS-Publications
- ⇒ NEREUS-Video
- ⇒ NEREUS-Exhibition

# EO/(GMES) Copernicus

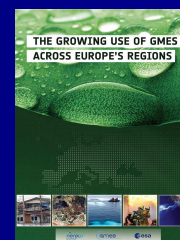
67 regional GMES-uses  
from 47 different regions  
covering 17 Members  
States

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



# 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-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

# 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

## Education and Training (2)

- CET-Working Group
- E-catalogue
- ERASMUS-Project

# Education and Training - general

- Young network community (students, graduates and young professionals) are at the core of the network
  - Well educated and trained workforce vital to exploit Europe's space systems
  - Many study and work opportunities connected to space
  - Space is a fascinating field to study



# Young network community

NEREUS' promotes the interest in space related study and career choices

NEREUS wishes students, graduates and young professionals to exploit the potential of space

NEREUS offers universities, research institutions and organisations focused on education and training a European platform to exchange, build strong partnerships and cooperate inter-regionally (NEREUS-Working Group CET – Communication, Education and Training)



# CET-Working Group

- exchanging knowledge and information on space related education and training activities, capabilities and potentials
- Currently strong focus on university related education and training
- More info:  
<http://www.nereus-regions.eu/education-training-communication>

# CET-WG-Co-chairs

- Ms. Martina Hilger, Policy Adviser for Research and Technology (Representation of the Free Hanseatic City of Bremen to the EU)
- Prof. Michel Bousquet, Director of postgraduate programmes in Aerospace Communications and Navigation at ISAE (Institut Supérieur de l'Aéronautique et de l'Espace, Toulouse).

# NEREUS e-catalogue:

- A European Tool for promoting the Space Education and Training facilities and programmes in European Regions
- Inventory of currently 180 space related education and training courses in NEREUS regions and Associate Membership
- 86 organisations contributed to the data base

[http://www.nereus-regions.eu/NEREUS\\_e-catalogue](http://www.nereus-regions.eu/NEREUS_e-catalogue)

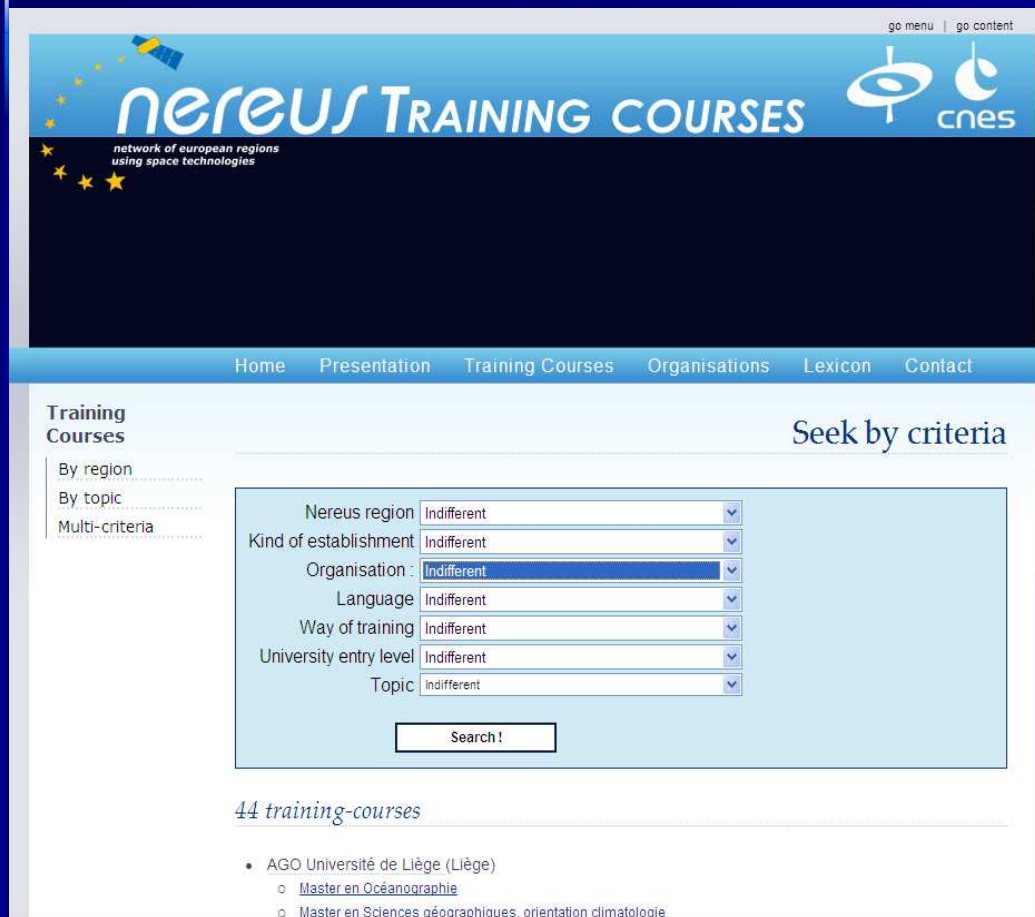
# NEREUS e-catalogue: Search

- Search by NEREUS-region
- Search by Space Topic
- Multi-criteria search

# Search by Space Topic

<http://www.nereus-space-training.eu/en/training-courses/topics/list.htm>

# Multi-criteria search



The screenshot displays the Nereus Training Courses website. At the top, there is a header with the logo "nereus TRAINING COURSES" and the CNES logo. Below the header is a navigation menu with links: Home, Presentation, Training Courses, Organisations, Lexicon, and Contact. The main content area is titled "Training Courses" and "Seek by criteria". It features a search form with several dropdown menus for filtering results:

- Nereus region: Indifferent
- Kind of establishment: Indifferent
- Organisation: Indifferent
- Language: Indifferent
- Way of training: Indifferent
- University entry level: Indifferent
- Topic: Indifferent

A "Search!" button is located below the dropdown menus. Below the search form, it indicates "44 training-courses" and lists the following results:

- AGO Université de Liège (Liège)
  - [Master en Océanographie](#)
  - [Master en Sciences géographiques, orientation climatologie](#)

<http://www.nereus-space-training.eu/en/training-courses/topics/list.htm>

# History (1)

Operational since 2011

Cooperation CNES, ISSAT and NEREUS

CNES sponsored the development of data base and e-catalogue website

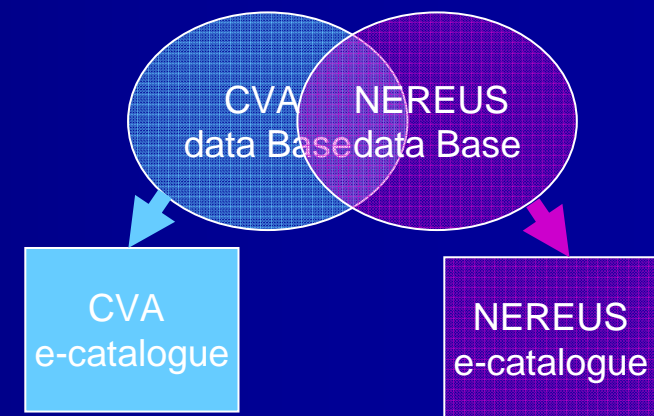
ISSAT technical realisation of initiative and technical responsible for website

NEREUS finances maintenance and complements database with information of its members

## History (2)

E-catalogue builds on data of CVA:

CVA cities: Augsburg (Bavaria); Barcelona; Bordeaux (Aquitaine); Bremen (Free Hanseatic City Of Bremen); Charleroi; Colleferro; Evry/Courcouronnes; Kourou and Guyane cities (guyana); Lampoldshausen (Baden-Württemberg); Les Mureaux; Liege (Walloon Region); Madrid (Region of Madrid); Mulhouse; Ottobrunn/Taufkirchen (Bavaria); Salon de Provence; Toulouse (Midi-Pyrenees); Vernon; Zurich





# 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

- 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

# Outlook 2013 -

- EO/Copernicus: Follow-up initiative to joint ESA/NEREUS-publication
- Telecom: Following activities of SABER- and BRESAT-Thematic Networks
- SME-Cluster Group: Next Meeting 29/01, 18.30h
- CET: Growing e-catalogue, stimulating interregional collaborations between universities of member regions, thematic WS
- Explo: Network of Exploratoria, thematic WS

Thank you for your  
attention