



## NEREUS – PEGASE WORKSHOP

*"Regional approaches to the European Global Navigation Satellite System (GNSS) programme"*

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# The NEREUS GNSS Position Paper



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# The key role of regional authorities

- **Regions deal with a number of issues linked to space activities**
  - territorial planning
  - environment control and protection
  - management of water basins and coastal zone
  - health and civil protection
  - fishing and agriculture
  - mobility and transportation
  - research, innovation and productive activities
- **Regions is able to involve different stakeholders**
  - Industry (with particular emphasis on SMEs)
  - Local Public Authorities (Regional Administration, Municipalities)
  - Research world (Academia, Research centres)
  - People (Individuals with work and leisure activities mainly concentrated at Regional level)

1. Collect users' requirements and support the development of new space based services

1. Enhance the awareness of potential advantage of space based services

# NEREUS – WORKING GROUPS

- WG on Earth Observation/GMES
- WG on Global Navigation Satellite Systems (in particular Galileo – Egnos)
- WG on Telecommunication
- WG on Education, Training, Communication
- Task Force Interreg IVc WG

## Activities of the Working Group:

- 1.Mapping activities
- 2.Dialogue with the European offices
- 3.Increase awareness of regional administration and citizens
- 4.Promote partnership and cooperation



# Working Group Membership

The GNSS Working Group membership is formed by members coming from regional and local authorities, industries, SMEs, universities and research organisations.

The participating regions have a different level of involvement in the implementation of space programs. There are regions with a clear "space vocation", regions interested mainly as space services end-users. These allow the comparison of a wide range of experiences and a really integrated approach and it is a key element for structuring and developing a real market of GNSS services.

**Germany:** Baden-Württemberg, Bavaria, Bremen, Hessen, Mecklenburg-Vorpommern

**Belgium:** Wallonne

**Spain:** Madrid

**France:** Aquitaine, Midi-Pyrénées,

**Italy:** Abruzzo, Basilicata, Piemonte, Veneto

**Poland:** Mazovia

**Portugal:** Açores

**United Kingdom:** East Midlands



# Objectives and tasks of the WG

## 4 LEVELS OF COOPERATION:

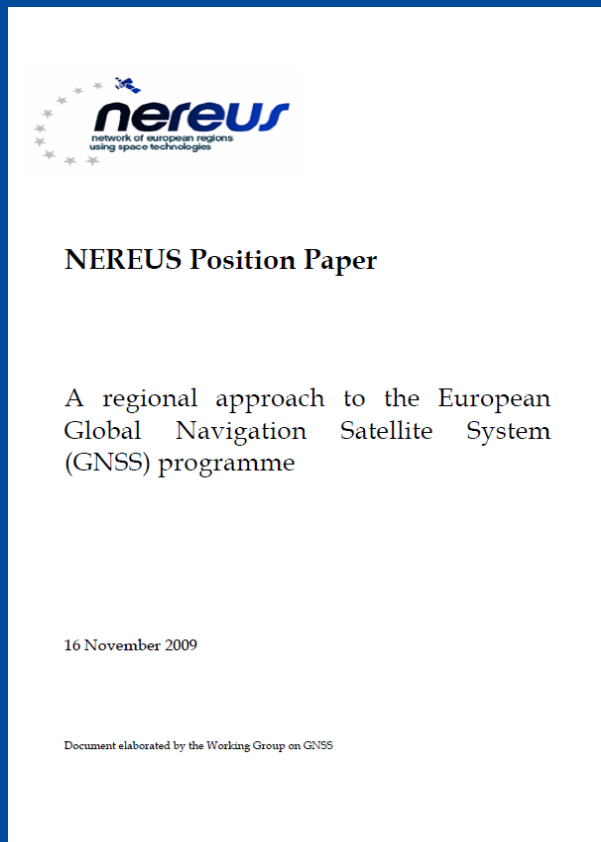
- 1. Collection and Exchange of Information:**  
review existing regional activities and priorities, collect information about regional players and capabilities. The results should be a detailed inventory and mapping of capabilities, needs and interests of European regional territories.
- 2. Mapping opportunities within the existing European Programs:**  
collect information about the EU programs of relevance for end-user applications of GNSS systems, with reference to regional expertise and priorities. Identify relevant call and opportunities for local authorities and regional players
- 3. Mobilising and supporting projects:**  
to promote partnerships and support projects for the open calls related to GALILEO. The aim is to show from the beginning the potential of the Network for industries and research organizations located in the territory of the participating regions. This is also a way to advertise the network at European and national level.
- 4. Political influence:**  
to voice regional interests and priorities into the elaboration and development of EU documents, legislation, programmes and activities.



# NEREUS Position Paper

## "A regional approach to the European Global Navigation Satellite System (GNSS) programme"

*Document elaborated by the WG and approved by the NEREUS Management Board on 17 November 2009*



Main goals of the Position Paper:

1. To inform relevant European authorities about the priorities and the requirements of regional and local public authorities.
2. To promote the awareness and debate inside the regions about the possibilities (present and future) of GNSS services and applications



# NEREUS Position Paper

**“A regional approach to the European Global Navigation Satellite System (GNSS) programme”**

## Three key priorities:

1. Reduction of uncertainties
2. Capabilities development and support
3. Improved communication



# Priority 1: Reduction of uncertainties

Many regions have invested in local GALILEO linked activities including test beds and SME clustering activities. Much enthusiasm has been generated.

The overall impression in the regions is that GALILEO - as one of the prominent European space projects - is going to be recognised and appreciated less quickly than it will be announced, with a serious risk of being seen as ineffectual, at least in the short term.

## **Recommended actions:**

To recover and restore the confidence of industry and user organisations, NEREUS suggests that binding commitments should be made very soon on GALILEO. Furthermore, the EU may wish to discuss with the regions the effects of any possible changes to the original program.





# Priority 2: Capabilities development and support

GALILEO will facilitate new capabilities for developing enhanced satellite navigation based services and applications for both existing services and for new services and applications for markets. The development of these services is inter- and multi-disciplinary. Current development support often focuses on GNSS innovation rather than utility for end users.

A more application oriented approach is required

## Recommended actions:

- opening discussion with the relevant European bodies (GSA, ESA, EU) on the link between R&D and the operational phase as the key aspect for improving the involvement of regional and local authorities in the projects;
- increasing the coordination between the R&D Framework Programme and the European Regional Policy Funds;
- start a dialogue between regions and the EC representatives of the different R&D Framework Programmes themes about implementing regional, demand led, applications.



# Priority 3:

## Improved communication

Communication with local citizens, businesses and end users as well as national and European policy makers is of major importance for the further development of GNSS services. NEREUS can contribute in two key areas:

- to promote ongoing activities in the area of GNSS services at European level.
- to provide other communication channels to potential users and businesses that the EU (ESA, European Commission, GSA etc) does not reach and particularly to those businesses and end users not involved in space.

### **Recommended actions:**

- building strong partnerships with regions as they can help to provide access to different target groups as well as ordinary citizens;
- elaborate joint communication and information material which meets also regional needs;
- organize specific workshops/seminars for regional decision makers in order to raise awareness of the GNSS opportunities at local levels;
- promote a science-driven approach in considering innovative solutions to societal needs;
- to foster higher education related opportunities in GNSS.



# Collection of regional experiences in the field of GNSS

- GNSS promotion centres, living labs,
- special regional procurement schemes,
- demonstration areas,
- masters competition,
- technology survey and mappings,
- centres of excellence,
- incubators, technological platforms
- technology transfer programmes, testing and simulation tools,
- specific calls for tenders,
- investors forum to raise the private funding needed by SMEs,
- projects funded at European, national or regional level.



# Conclusions of Position Paper

1. A durable involvement of SMEs, in particular supporting industrial districts and clusters, as well as science & industry aggregations
2. A science-driven approach in considering innovative solutions to societal needs and a fostering of higher-education related opportunities
3. A renewed consideration and a consistent support of the actual user needs, providing public funds for applications of high social value where the market is not sufficient to finance real developments.
4. A more targeted and comprehensive medium of communication, raising awareness of the opportunities at the local levels



# NEREUS and the PEGASE project

- Regional GNSS Advisory Board Meeting
- Mapping Activities
- NEREUS Position Paper on GNSS and the PEGASE Guidelines for coordination with /exploitation of regional initiatives



# NEREUS WG initiatives

- GNSS-Workshop - 24 March 2010 a Brussels
- Cooperation with PEGASE project (Galileo FP7 1st call)
- NEREUS-GNSS-Position Paper
- Mapping of regional GNSS-experiences
- EP-Hearing "Mid-term review of the European satellite navigation programmes: assessment, future challenges and financing perspectives", 22 March 2010
- Galileo Application Days – 3-5 March 2010
- EP-Breakfast with Kangaroo-Group, 25 March 2010
- **Symposium, 16 April 2010 in Grenada/Andalusia**
- Toulouse Space Show 2010, 8-10 June 2010: GNSS-Round Table Discussion and Presentation of selected GNSS-Papers on the occasion of the NEREUS-Workshop

