



Euro-Med GNSS Project Overview

Galileo Joint Undertaking

Euro-Med GNSS Project



Presentation Outline

- Introduction***
- Project objectives***
- Project activities***
- Interaction with other activities***



Context

- *The Vth Euro-Mediterranean Conference of Ministers for Foreign Affairs (Valencia 2002) adopted an Action Plan stressing:*
 - *“the need to boost co-operation on satellite navigation, by means of considering concrete introduction for the benefit of different application sectors”*
- *European GNSS strategy foresees the early introduction of GNSS services with EGNOS*
- *Great number of applications are envisaged both in transport and non-transport sectors*



EUROMED GNSS PROJECT

- *Infrastructure development, training and demonstration project for the benefit of the Mediterranean Partners*
- *Implemented over a 3 -year period*
- *Funded by the MEDA Regional Transport Programme*



The Euro-Med GNSS Project: Objectives (1/2)

- *Raise the awareness of local decision makers, service providers and product manufacturers on the potential of EGNOS and GALILEO for the region*
- *Establish elements for Mediterranean GNSS policy in order to encourage a common approach to radio navigation, positioning and timing means across all potential sectors of utilisation*
- *Identify the benefits of EGNOS and GALILEO vis-à-vis the specific needs of the region*



The Euro-Med GNSS Project: Objectives (2/2)

- *Increase safety of related operations in the region*
- *Enhance performance and promote integration of Euro-Mediterranean navigation systems in different modes*
- *Promote interoperability of navigation, positioning and timing systems in adjacent regions*
- *Foster the emergence of national MEDA projects regarding the development of GALILEO services, initially through EGNOS*



Euro-Med GNSS Project Major Activities

- *The Euro-mediterranean GNSS project shall address the following major activities:*
 - *Activity A: GNSS Regional Plan*
 - *Activity B: Training and Awareness*
 - *Activity C: GNSS Service Demonstration*
 - *Activity D: GNSS Signal In Space Provision*



Expected Results (1/2)

- *The extension of the Trans-European navigation and positioning network to the region, by validating EGNOS service extension capabilities in the region*
- *Identification of the priority markets in the region*
- *Assess the financial sustainability of service provision schemes*
- *Recommendations and plan for the optimal GALILEO service provision in the region*



Expected Results (2/2)

- *Regional plan including the identification of regulatory measures to be proposed to national administrations*
- *Identification of potential service providers*
- *Adequate involvement of MEDA Partners in the application, demonstration and validation activities*
- *Customised training plan for the benefit of the region*



Procurement Approach

- ***Activities A, partly B and C (Regional Plan, Training and Awareness and GNSS Service Demonstration)***
 - *Through the dedicated GJU call “Euro-Med GNSS Project – Demonstration and Training”*
 - *All activities are open to the participation of EU25 MS and MEDA partners*

- ***Activity D (GNSS Signal in Space Provision) and partly activity B (Vocational Training)***
 - *To be implemented by the European Space Agency on a basis of an agreement with the GJU*
 - *All activities are open to the participation of EU25 MS, ESA MS and MEDA partners*



GNSS Signal-In-Space Provision

Objectives(1/2)

- *Assessment of available and planned GNSS coverage in the area*
- *Identification of regional upgrade requirements for an adequate implementation of the demonstration programme*
- *Definition, design, and development of the additional infrastructure needed for an early provision of the GNSS signal in space in the defined service area, with the required level of performance*
- *Support and interface for the definition and execution of the demonstrations*



GNSS Signal-In-Space Provision

Objectives (2/2)

- *Activity shall be based on upgrades of the EGNOS infrastructure*
- *The extension of the EGNOS services in the Mediterranean region will be dealt with in accordance with the European GNSS Strategy and Euro-Med partnership regional objectives*
- *According to the defined targets regarding the EGNOS integration into GALILEO, such activities shall ease the introduction of the full GALILEO services*



Interaction with the GALILEO Euro-Med Co-operation Office

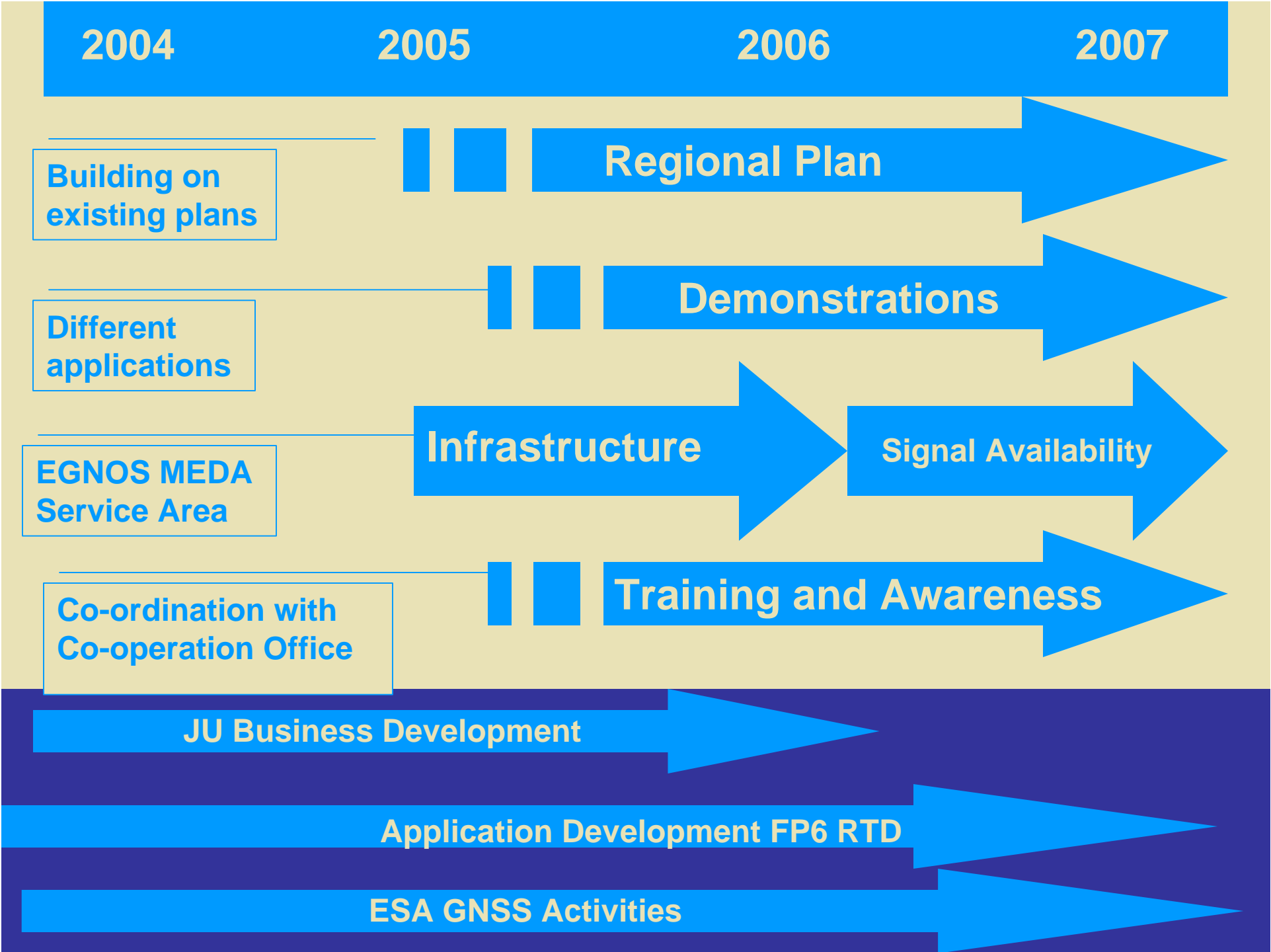
- *The activities performed by the Euro-Med GNSS project shall be co-ordinated with those of the GALILEO EURO-MED Co-operation Office targeting resource optimisation*
- *The Office shall constitute a reference point for the promotion of GALILEO services and applications in the region by*
 - *promoting the use of GNSS technology in the greater Mediterranean region*
 - *implementing education and awareness activities*
 - *facilitating interaction between GNSS actors in the region*
 - *assuring information flow within the region and with other regions*
- *Additional in-kind contribution by European and MEDA Partners as well as the participation of local actors shall be strongly encouraged*



Interaction with the 6th Framework Programme

- *The 6th Framework Programme for Research and Development (2002-2006) constitutes an additional platform in support to the training and demonstration activities launched in the region*
- *Support assured and optimised through the GALILEO activities*
 - *1st call: ProDDAGE*
 - *2nd call: Area 3 Innovation and International Initiatives*
- *International co-operation and mobility activities of the 6th Framework Programme can contribute*





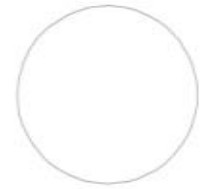


Conclusions

- *Training and demonstration activities are expected to benefit the greater Euro-mediterranean area*
- *Partnerships among MEDA and European partners will be supported*
- *Co-ordination between the EUROMED GNSS project and Office*
- *Co-ordination with FP6 activities*
- *Part of the overall European Commission strategy for GNSS training and demonstration activities for different regions worldwide*



Additional Information



*http://europa.eu.int/comm/dgs/energy_transport/galileo
(EURO-MED GNSS site)*

<http://www.esa.int/navigation/>

http://europa.eu.int/comm/external_relations/euromed/index.htm

<http://www.galileo.ju.com/>