

**Short presentation of an expertise profile for the
5th call Space in FP7**

Institute of Aerial Geodesy

SME

Lithuania



**COSMOS Matchmaking Event
18th March 2011, Sofia, Bulgaria**

Draft Call Topics that we are interested in*

Space-based applications at the service of European Society (GMES)

- ***Pre-operational validation of GMES services and products***
 - GMES Security – Support to EU External Actions
 - Preparing take-up of GMES Sentinel data
- ***Support to the coordinated provision of observation data***
 - Climate Change – GMES service coordination

Institute of Aerial Geodesy (AGI)

➤ Short history AGI

- Institute of Aerial Geodesy (AGI) is a Lithuanian State-owned SME with >50 years experience in photogrammetry, cartography, GIS data production and – recently – remote sensing. AGI Applied Research Center (ARC) is responsible for development and implementation of innovative solutions into the production work-flow, as well as participation in EC-funded RTD projects and coordination of their implementation at AGI level.

➤ **Geoland 2 – Towards Operational GMES Land Monitoring Core Service (2009-2011)**

- EC FP7 Programme (SPACE)
- Project objective – develop and test the most advanced geo-information technologies for operational production, dissemination and application of various land cover thematic data on pan-European scale to cover major information needs of European/national institutions and general public

Competencies

➤ List of competencies on the basis of the recent work programme Space

- Development and implementation of Spatial Data Infrastructure (SDI) technological solutions (AGI SDI Server - <http://www.agi.it/sdi-iso>),
- Development and testing of methods for VHR land cover data production and quality control
- VHR/HR land cover data production by using object-based satellite image classification and completely automated data processing solutions
- Modeling of hydrology networks (basins) by using HR land cover data

➤ Reference projects

- **Geoland 2** - Towards Operational GMES Land Monitoring Core Service (2009-2011) (*FP7*)
- **HLANDATA** - Creation of value-added services based on Harmonized Land Use and Land Cover Datasets (2010-2012) (*ICT Policy Support Programme*)
- **GSGRDA** – Implementation of an Initial GMES Service for Geospatial Data Access (2010-2011) (*EC (DG ENT) open tender for GMES data production*)

Intended Role in a Consortium

➤ Partner

- Technology provider (development/integration of data processing algorithms);
- Service provider (QC, SDI, demonstration/production);
- ...

Contact and further information (if any)

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