

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

FOREST OWNERS CONSULTING CENTER, SIA
Cesis, Latvia (SME)



COSMOS FP7 Space Information Day
19th July 2011, Riga, Latvia

Draft Call Topics that we are interested in*

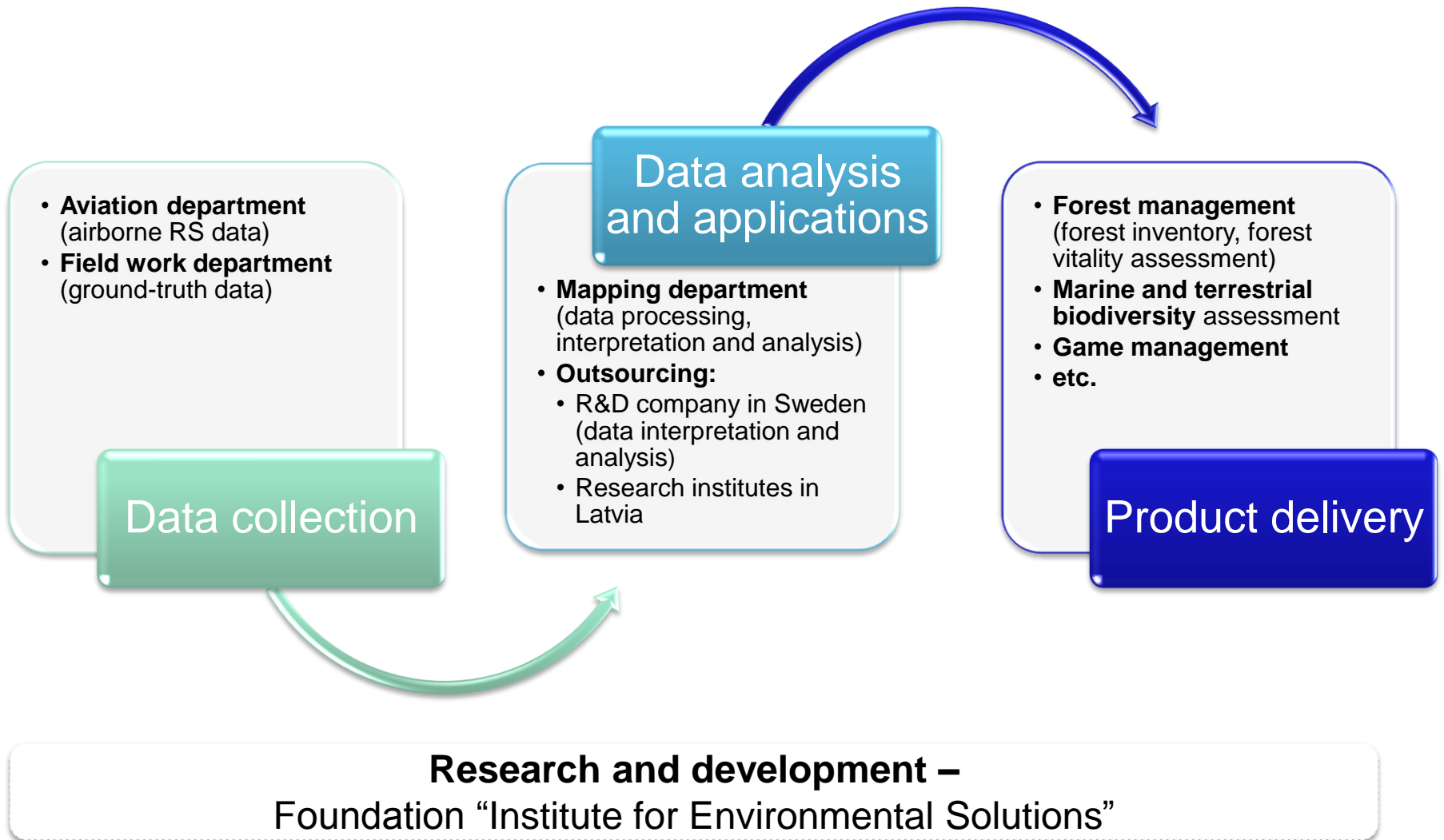
- ***Support to the coordinated provision of observation data***
 - Research and development for In-situ component
 - Climate Change – GMES service coordination – Coordination of Earth observation data validation for re-analysis
 - GMES Climate Change – Data archiving and exchange
 - Consolidation of user requirements for GMES

Brief facts about FOCC



- Established in 1996
- Latvian company
- 20 employees
- Sectors of business activity:
 - Acquisition, analysis and presentation of airborne remote sensing data for forestry and nature management purpose
 - Special aviation works (rabies vaccine drop, environment observation flights, etc.)
 - Forest management related consultancy (FSC certification, forest inventory, etc.)
- Technological base:
 - 3 aircrafts (1 – twin engine; 2– single engine) and own airfield
 - Airborne remote sensing instruments (LiDAR, hyperspectral and thermal sensors, high resolution RGB camera)
- Biggest customers:
 - Large forest owners and management companies in Latvia and Scandinavian countries; state and municipal institutions/companies

Organisational structure of FOCC



Experience with Framework 7

- Framework 7 projects: none
- Other EU-funded projects:
 - **ERDF**: Assessment of forest vitality using airborne LiDAR and hyperspectral data
 - **LIFE+**: Assessment of marine biodiversity using thermal and high resolution RGB images (sea bird counting and species identification), marine habitat identification and conservation status
 - **LIFE+**: Elaboration of habitat suitability model for Corncrake
 - **ERDF**: Weed identification and biomass assessment for production of bio-butanol using LiDAR and hyperspectral data



Key competencies and strategic resources of FOCC

- Expert-level knowledge on forest management
- Airborne remote sensing
 - Data collection and data pre-processing
 - Data processing and analysis
- Capability to provide airborne remote sensing data collected with different combinations of remote sensing instruments (e.g. LiDAR + hyperspectral; hyperspectral + thermal +RGB, etc.)
- Cooperation network with research institutes and NGOs in Latvia and abroad



Intended Role in a Consortium

- Project partner responsible for a concrete task
- Collection, analysis and interpretation of airborne remote sensing data and ground truth data to be compared / integrated with satellite imagery
- Analysis of end user needs
- Focus - environmental research

Contact details

➤ Contact person:

Mrs. Inese Suija – Markova

E-mail: inese.suija@videsinstituts.lv

Institute for Environmental Solutions and
Forest Owners Consulting Center

“Lidlauks”, Priekuļi parish,

Priekuļi local municipality, LV-4101, Latvia

Tel. +371 64127951, Fax: +371 64127955

➤ Relevant links:

➤ www.videsinstituts.lv

➤ www.mikc.lv (currently under reconstruction)