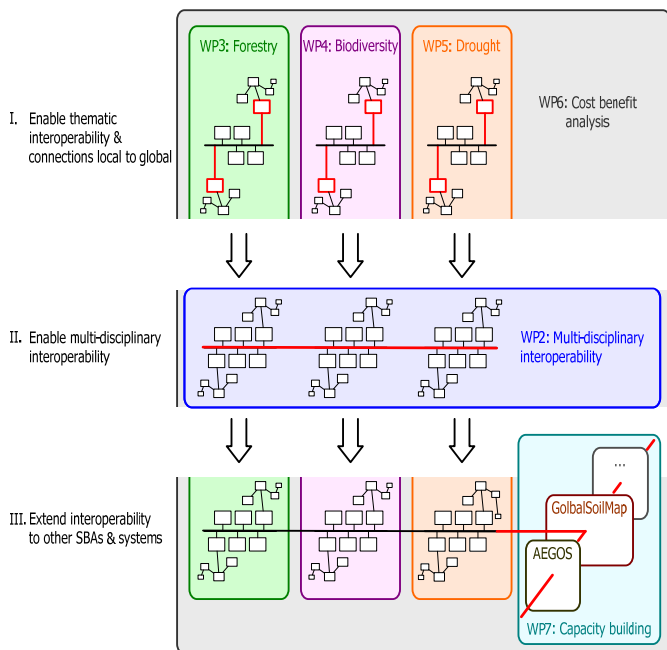


A Large Scale Integrated Project under negotiation in FP7 call
 ENV.2008.4.1.1.1: European Environment Earth Observation system supporting INSPIRE and compatible with GEOSS

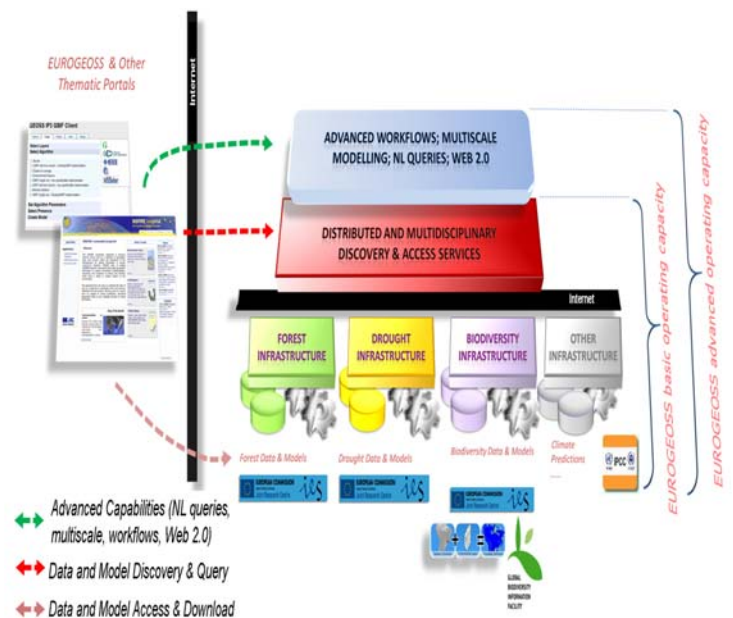
Abstract

EuroGEOSS demonstrates the added value to the scientific community and society of making existing systems and applications interoperable and used within the GEOSS and INSPIRE frameworks. The project will build an initial operating capacity for a European Environment Earth Observation System in the three strategic areas of Drought, Forestry and Biodiversity. It will then undertake the research necessary to develop this further into an advanced operating capacity that provides access not just to data but also to analytical models made understandable and useable by scientists from different disciplinary domains. This concept of inter-disciplinary interoperability requires research in advanced modeling from multi-scale heterogeneous data sources, expressing models as workflows of geo-processing components reusable by other communities, and ability to use natural language to interface with the models. The extension of INSPIRE and GEOSS components with concepts emerging in the Web 2.0 communities in respect to user interactions and resource discovery, also supports the wider engagement of the scientific community with GEOSS as a powerful means to improve the scientific understanding of the complex mechanisms driving the changes that affect our planet.

Three phase implementation



Architecture



Expected Outcomes

- Contribution to Common GEOSS Infrastructure in three application areas (biodiversity, forestry, drought), based on systems with committed institutional long term funding.
- Increased inter-disciplinary interoperability to enable better understanding, modelling and predicting of environment phenomena.
- Methodology to extend the process to other application and societal benefit areas
- Assessment of the added value of GEOSS to different stakeholder communities.

Key Features

- Selected for funding, under negotiation
- Duration : 3 years from 2009
- 23 partners from government, industry and academia from 9 EU countries + US
- Coordinated by BRGM, France and JRC
- Key role of international organisations: UN-FAO, UNEP, GBIF.

EuroGEOSS Partners