

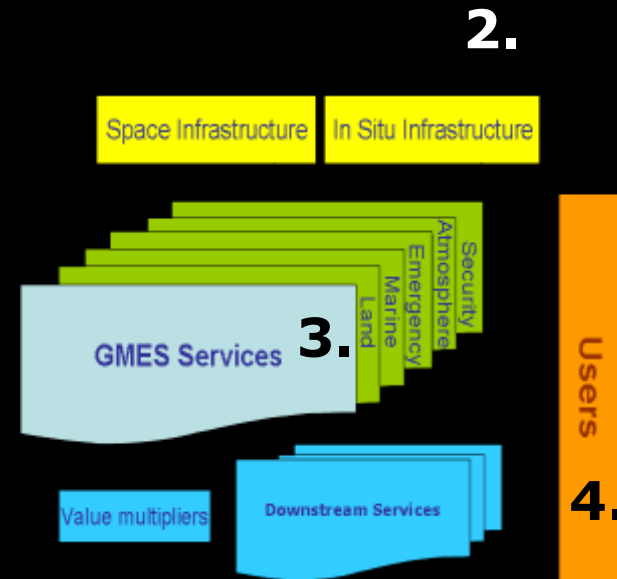
In situ coordination: Linking in situ data providers and GMES services



Henrik Steen Andersen, Project Manager, GISC project, EEA
CoastColour User Consultation Meeting
ESA, ESIRIN 16-17 November 2010

Roles of EEA in GMES

1. Follows and steers GMES implementation and governance processes
2. Coordinates the *in-situ* component (GISC project)
3. Provides/coordinates certain elements of GMES services
4. Makes use of services and federates user requirements
5. Provides environmental information



GMES architecture

Observation
infrastructure

Space Infrastructure

In Situ Infrastructure

GMES services

GMES Services

Security
Atmosphere
Emergency
Marine
Land

Users

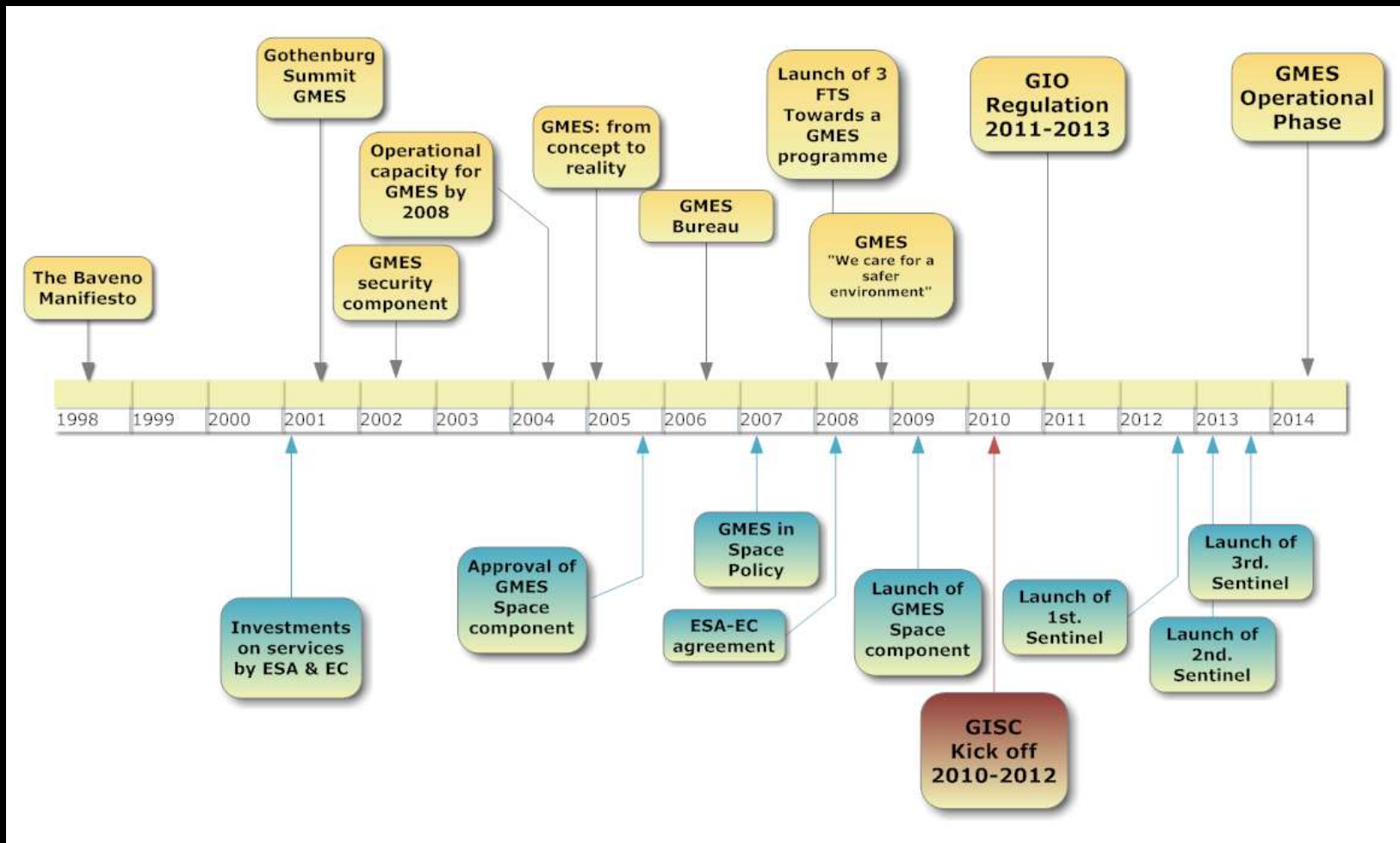
Downstream
sector

Value multipliers

Downstream Services



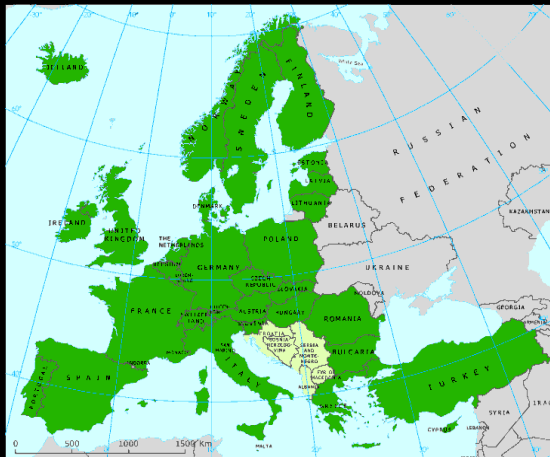
GMES Timeline



GMES In Situ Coordination Project (GISCS)



- EEA is coordinating the GMES in situ component
- Development of initial framework for sustainable provision of in situ data in support of GMES product generation



- FP7 funded - Coordination action
- Running from 2010 to 2012
- Team of 10 people with different backgrounds and expertise



The GISC approach

- **The Goal:**

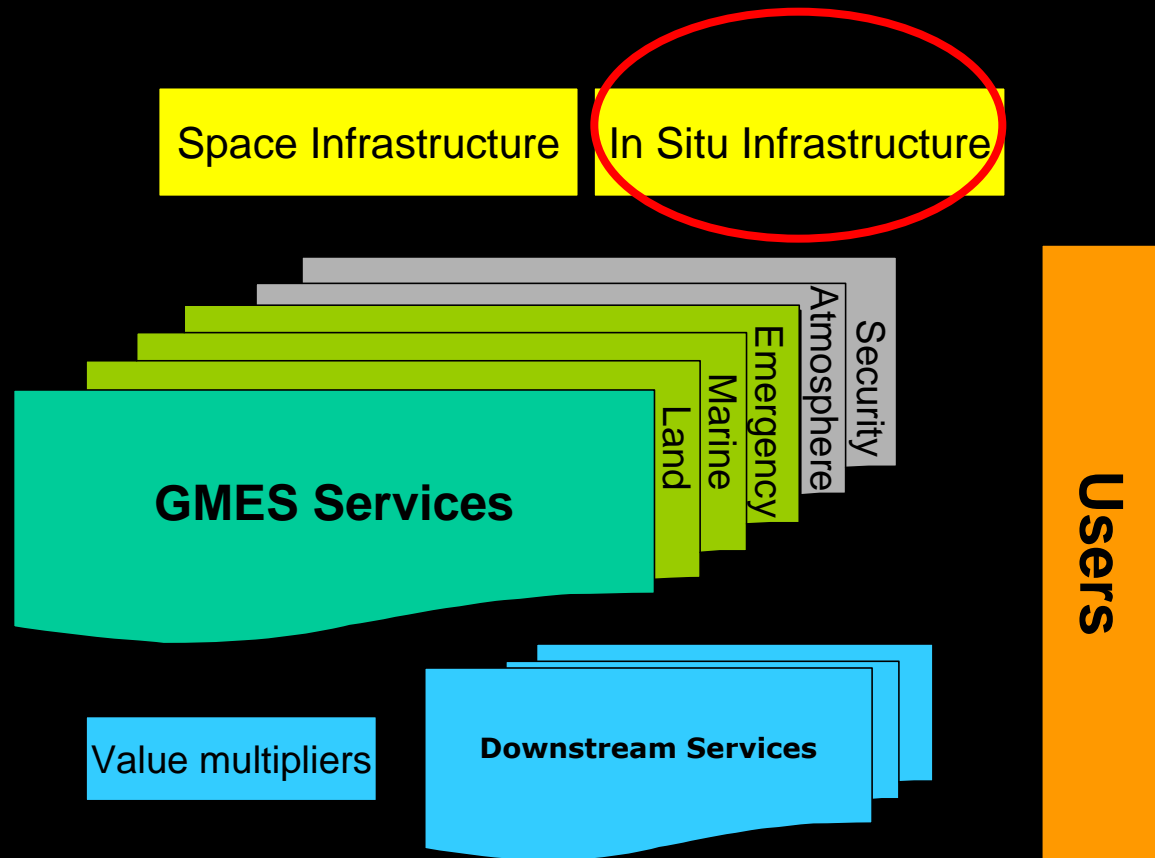
- Secure sustainable provision of in situ data to GMES services according to end user requirements

- **The Process:**

- Identify and classify the in situ data required by the GMES core services

- Compare with available data and identify gaps

- Design and implement solutions that will close gaps



The GISC approach

Ensuring availability of in situ data by:

- Making use of existing capacities
- Concluding agreements
- Using and adapting legal instruments
- Initiate procurements
- Development of in situ infrastructure
- Co-ordination of requirements and solutions
- Funding and support



The 'CoastColour' case

Access to in situ data:

- NRT vs. offline
- Essential, desirable, useful vs. end user requirements
- Research vs. operational and sustainable services
- Formats and standards
- Availability in space and time
- Timeliness
- Quality



GISC – Communication

- GISC Website
<http://gisc.ew.eea.europa.eu/>
- Project deliverables
<http://gisc.ew.eea.europa.eu/gisc-project/deliverables>

