

GMES

Data and Information Policy

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European Commission
Enterprise and Industry

Objective of the presentation

- what is GMES – political context and rationale
- data policy for pre-operational services (2009 – 2013)
- data policy for an operational GMES architecture (from 2014)
- transition: GMES initial operational services (2011 – 2013)

What is GMES?

Political context

- GMES is a political initiative that is co-financed by the EU, Member States and intergovernmental organisations (ESA)
- EU coordinates the initiative
- EU contributes financially, through
 - funds from the framework programmes
 - GMES initial operations (2011 – 2013)
 - GMES operations (from 2014)

Objectives and principles (I)

- enable sustainable provision of Earth observation services
- contribute to the sustainability of the underlying infrastructure
- foster innovation in the downstream sector

Objectives and principles (II)

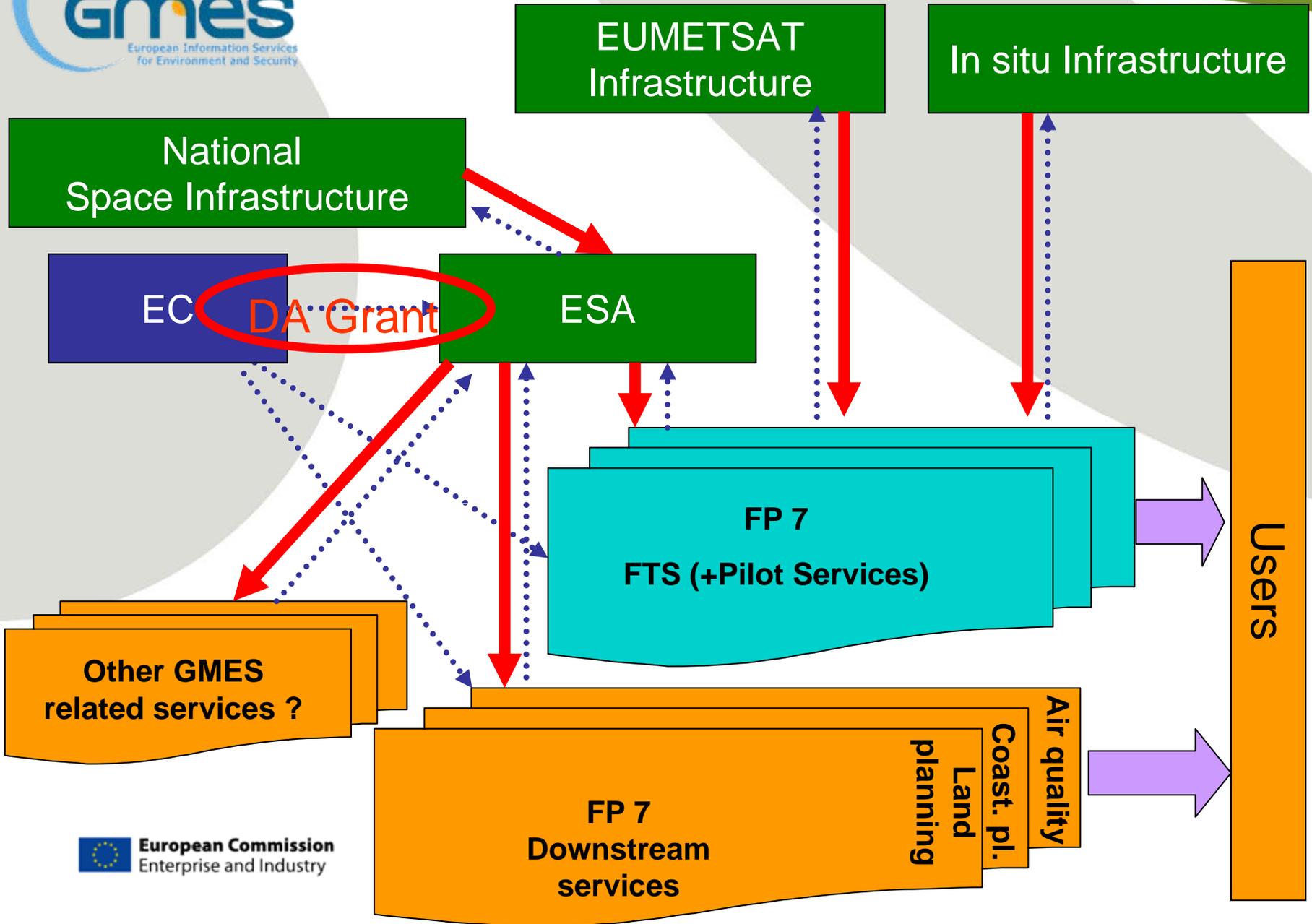
- no duplication of existing capacities!
- technical tasks delegated to
 - ESA, for the space component;
 - EEA, for in situ component
 - EC and EU agencies, for the service component
- full and open access (restrictions may apply)
- for the moment, no regulatory intervention is planned

- Data: input from Observation infrastructure:
 - Data from Observation infrastructure (co-)owned by the Community, i.e. for the moment the Sentinel missions (the “GMES data”)
 - Other Data from space or in situ infrastructure not (co-) owned by the Community
- Information: produced by GMES Services and downstream service providers:
 - Information produced by the GMES Services (“GMES Information”)
 - Information produced by the Downstream Services

Terminology (II)

- Data and Information Policy can be defined autonomously only for Data and Information owned by EC and/or ESA
- For other Data and Information, the implementation of overarching objectives depends on the negotiation with data owners and ultimately, the available funds

Data and information policy for pre-operational services (2009 – 2013)

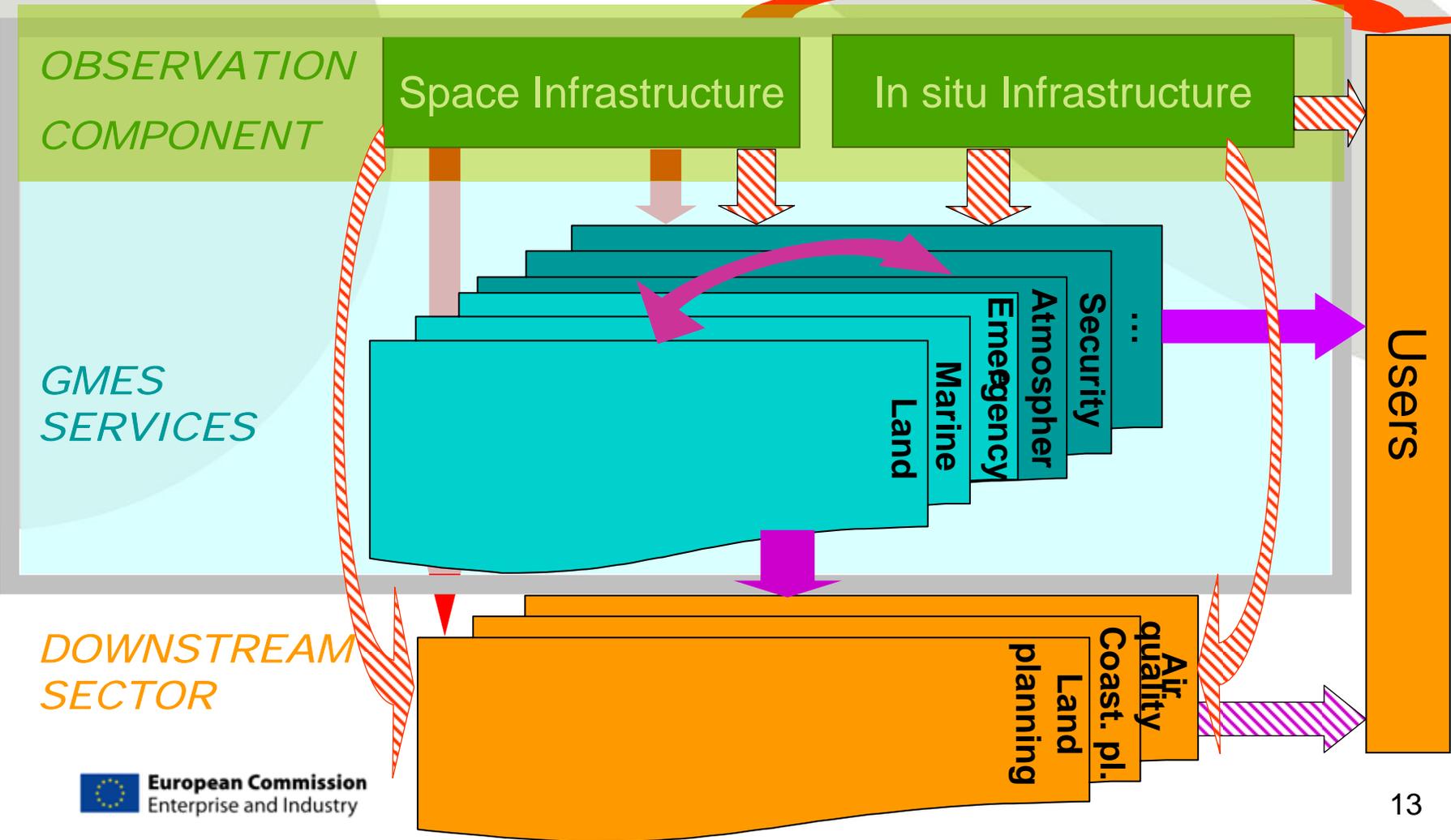


Centralised access to space data through ESA

- data access grant 2008 – 2010
- data access under the delegation agreement 2010 – 2013
- In situ data directly procured by service consortia:
 - EEA has a coordination tasks;
 - Data policies of in situ data owners apply
- Information policy for FP 7 service projects in line with standard FP 7 rules
- No specific rules concerning data security

Data and information policy for an operational GMES architecture (from 2014)

Data flows in an operational architecture



- Two step approach:
 - Overarching Objectives of GMES Data and Information Policy;
 - Implementation of these objectives for the different components

- to promote the widest possible use and sharing of GMES data, and other data (to the extent permitted by data owners)
- GMES data, and other data (to the extent permitted by data owners) should be fully and openly accessible
- to contribute to the sustainability of the infrastructure
- to strengthen markets for downstream services in Europe
- to ensure adequate protection of GMES data and information
- to support European public policies through GMES data and information

Restrictions

- based on applicable national, European or international law concerning security (GMES data security expert group), privacy, IPR; and
- based on and respecting data policies of providers of data needed for service provision

- For GMES Services, detailed implementation depends on:
 - governance scheme (distributed or centralised)
 - type of data needed
 - condition of access for such data
- The data policy approach for the GMES Space Component will have to reflect the characteristics of:
 - ESA is coordinator for implementation of space component
 - the Sentinel missions - Data policy to be elaborated by ESA and the EC
 - other missions - conditions of access to be negotiated with data providers
- For *in-situ* observation infrastructure,
 - arrangements on access conditions to be concluded with data owners,
 - In situ observation infrastructure and contributions of MS to be coordinated at European level (e.g. by the EEA).

Transition: GMES initial operational services (2011 – 2013)

GMES Initial Operations

- Commission is currently preparing a proposal
- Details of data and information policy to be determined in line with approach for fully operational architecture
- Complementarity with research activities