



GMES Fast Track Service Land

Architecture and Infrastructure for the Pre-operational Network Services - Scope and Objective of the Workshop -

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geoland



European Commission Fast Track Service Land within the GMES initiative in FP-7





- **Architecture and Infrastructure for the Pre-operational Network Services**

- **Joint geoland2, g-Mosaic, GIGAS workshop**
- **with participation of invited experts from**
 - EEA (SEIS, in-situ data services) and
 - ESA (GSC-DA and HMA)

- **for harmonization of architecture, services, and applicable standards**

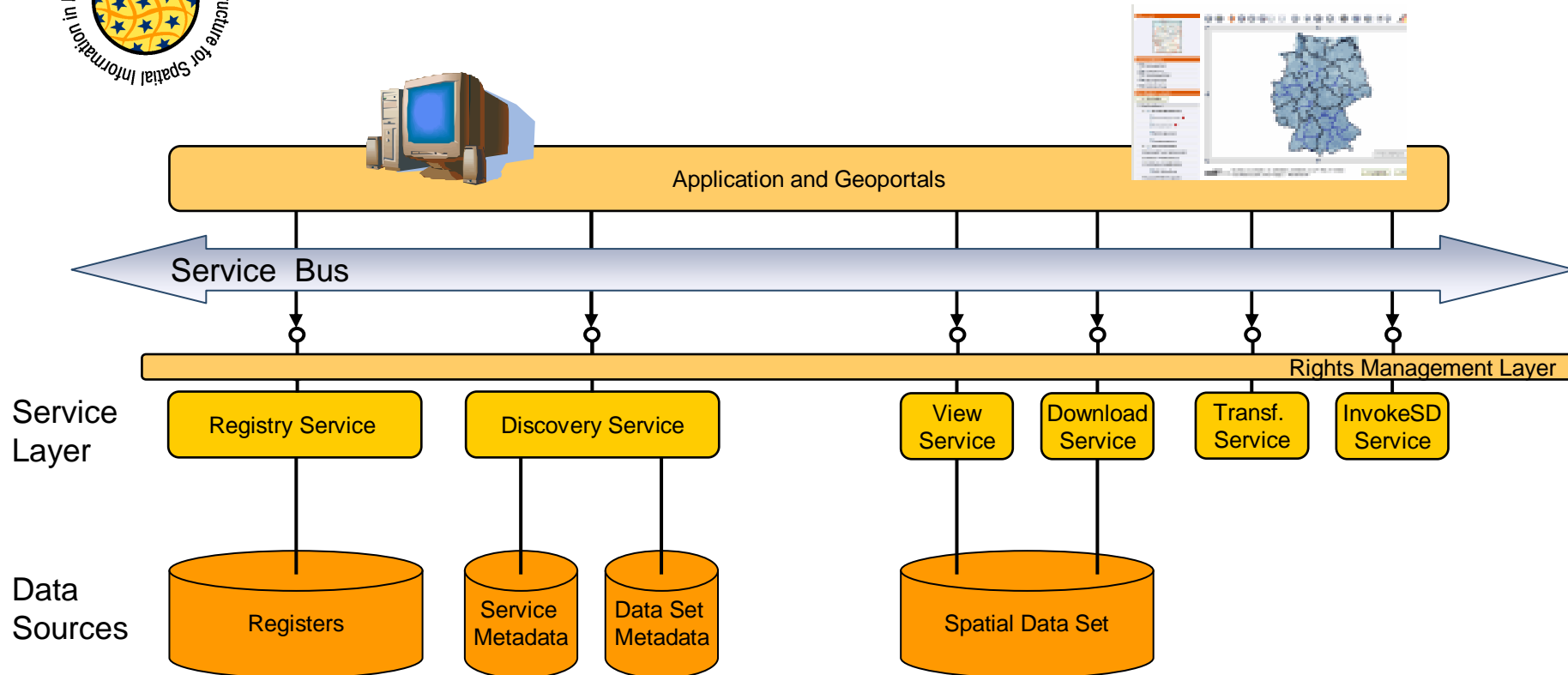


■ Tour de table

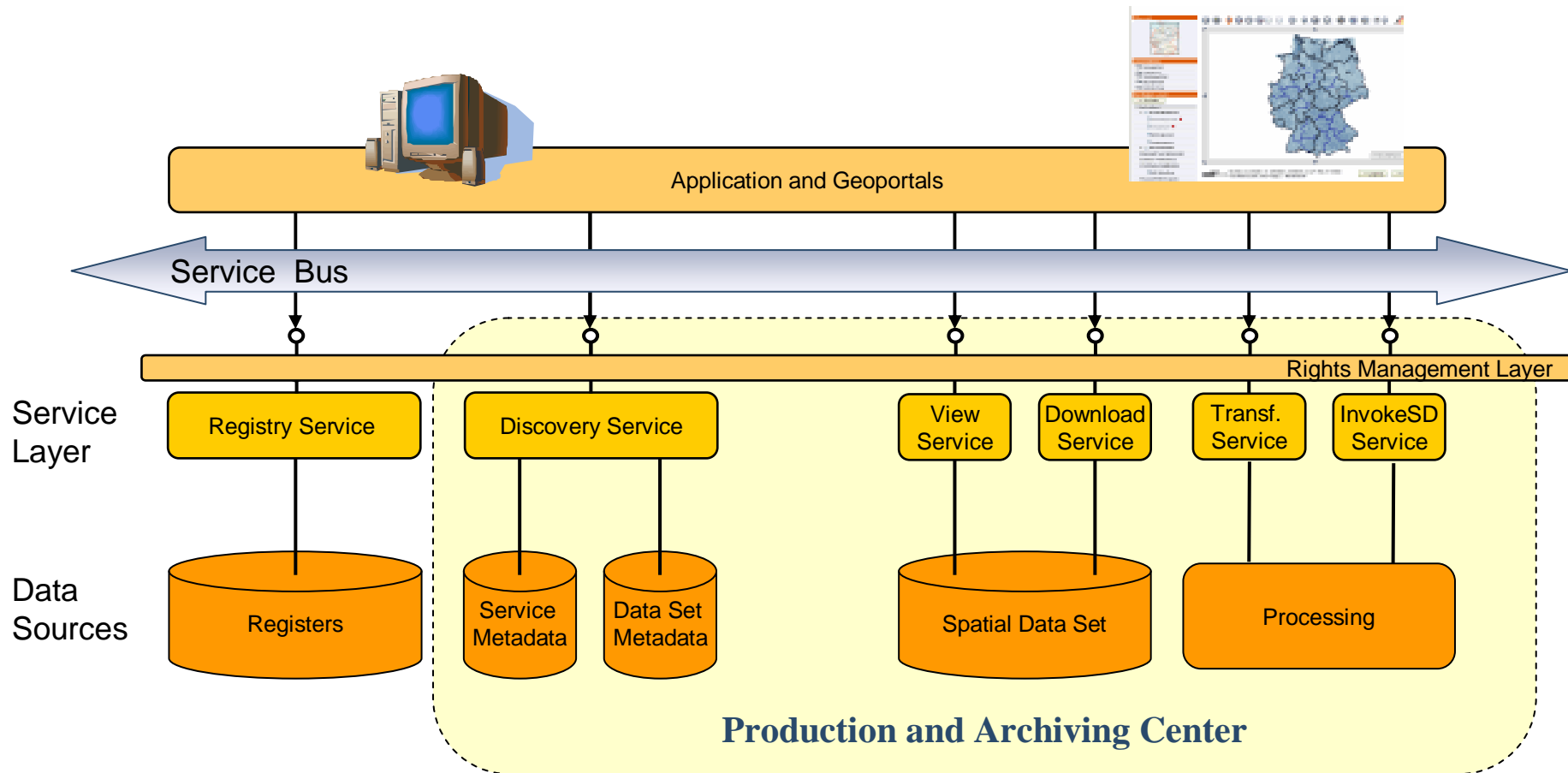
- Jiri KVAPIL, CENIA, Czech Environmental Agency, SDI, Water
- Stephan MEISSL, EOX
- Armand CAUCHY, Infoterra France
- Pietro Alessandro BRIVIO , CNR-IREA, Global Component
- Gedas Vaitkus, AGI
- Etienne Bartolome, JRC, NARMA
- Yves COENE, Spacebel, SDI g2, GIGAS, HMA
- Walter SIMONAZZI, ETC/LUSI, LUDC Prototype within SEIS
- Erwin GOOR, VITO, SDI
- Gerhard TRIEBNIG, EOX
- Pier Giorgio MARCHETTI, ESA/ESRIN, GIGAS
- Andrea BIANCHALANA, ESA/ESRIN, GIGAS
- Alessandra TASSA, ESA, GSCDA, Data Portfolio
- Jolyon MARTIN, ESA/ESRIN, HMA, Interoperability for GMES etc
- Maria GORZYNSKA, SRC, SATChMo
- Sergio PROIETTI, Telespazio, G-Mosaic Project Manager
- Filippo DAFFINA, Telespazio
- Marek OSINSKI, GUS Poland, Statistics Office Poland,
- Andreas LITTKOF, ETC/LUSI



- **Achievement of common understanding of:**
 - geoland network services architecture
 - geoland interfaces to surrounding services
 - Roles and responsibilities for implementation and integration
 - Integration plan

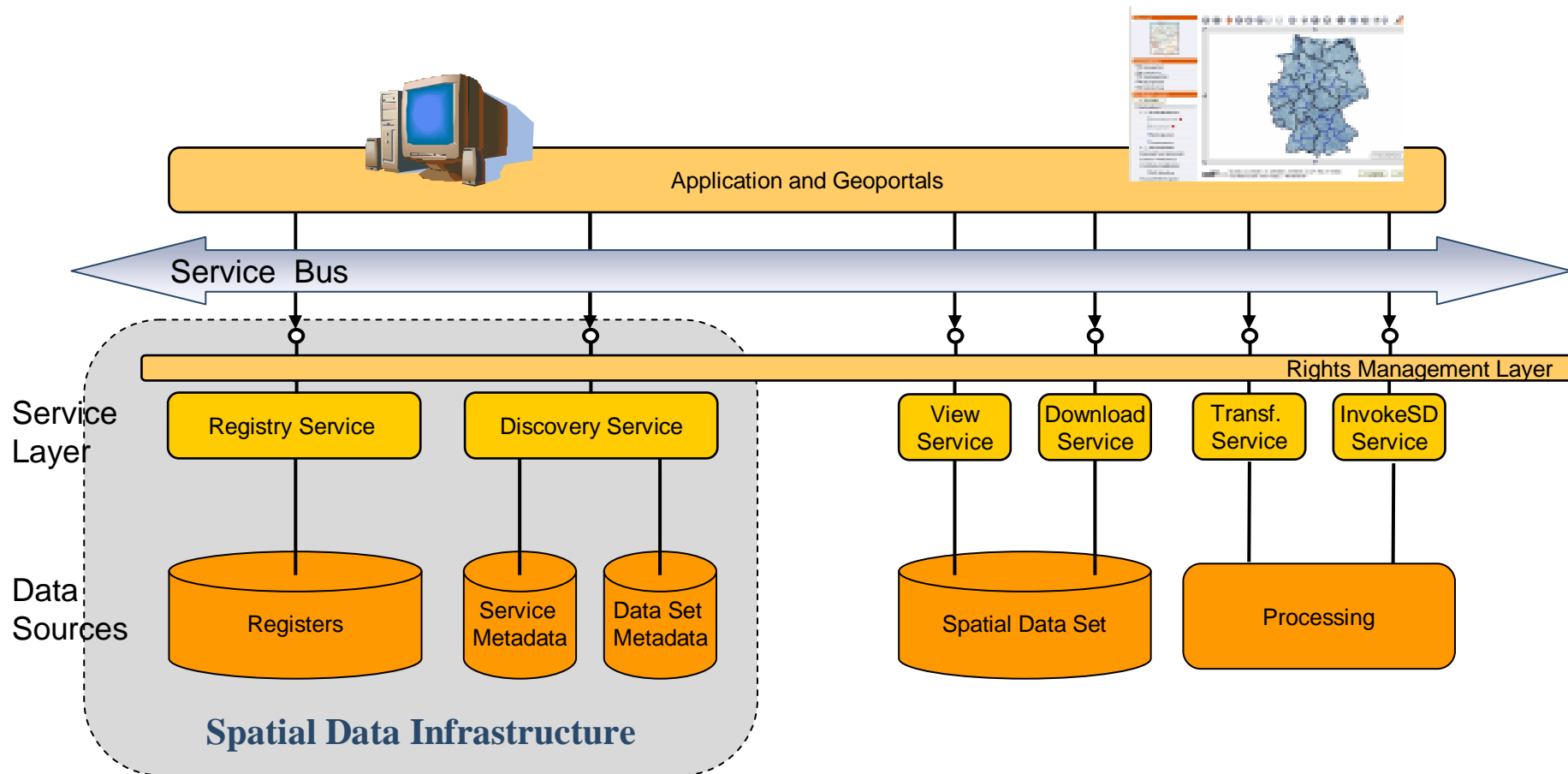


Ref.: INSPIRE Network Services Architecture,
D3_5_INSPIRE_NS_Architecture_v3-0.pdf, 19.07.2008



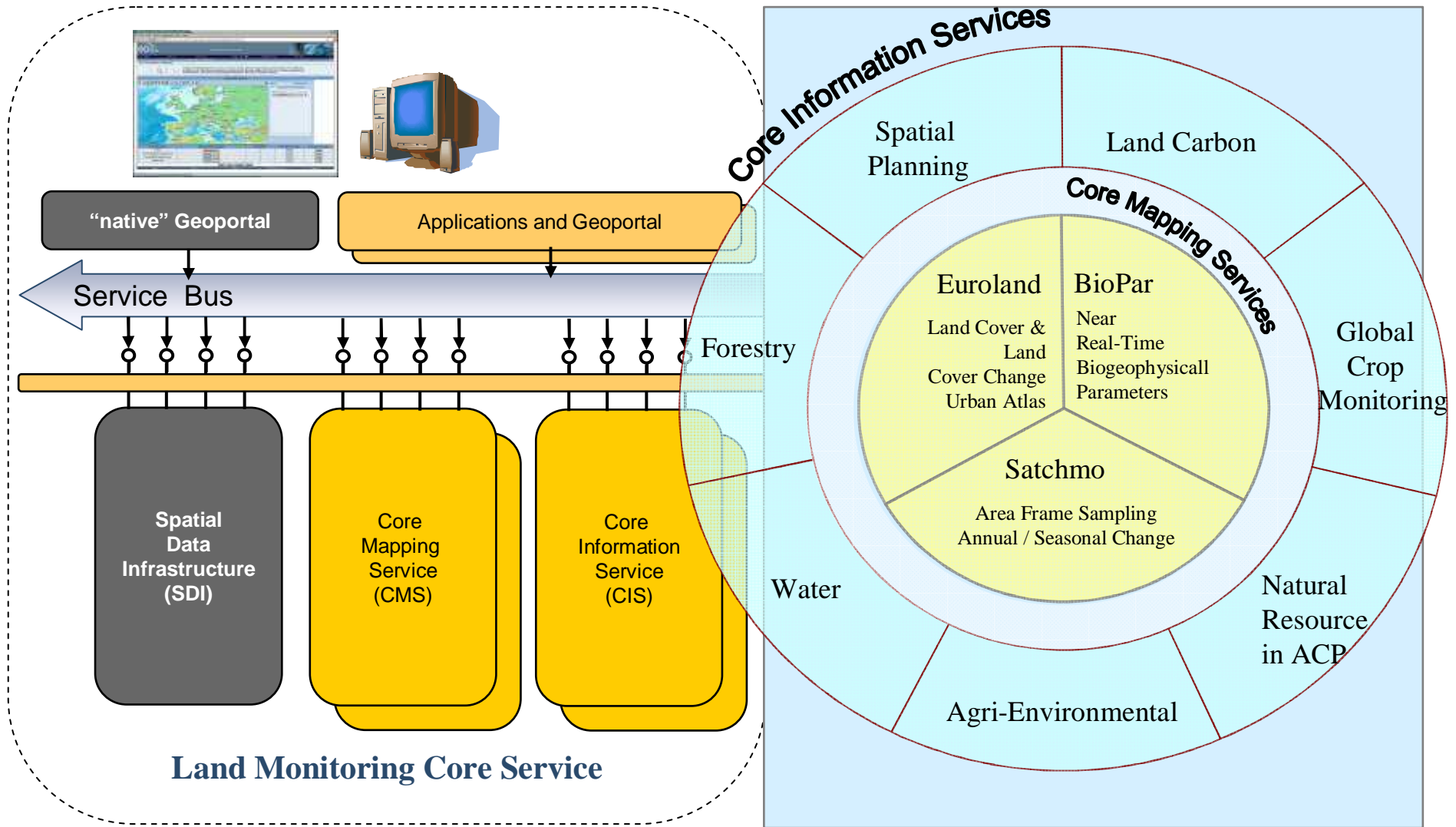


Abstract Model: Spatial Data Infrastructure



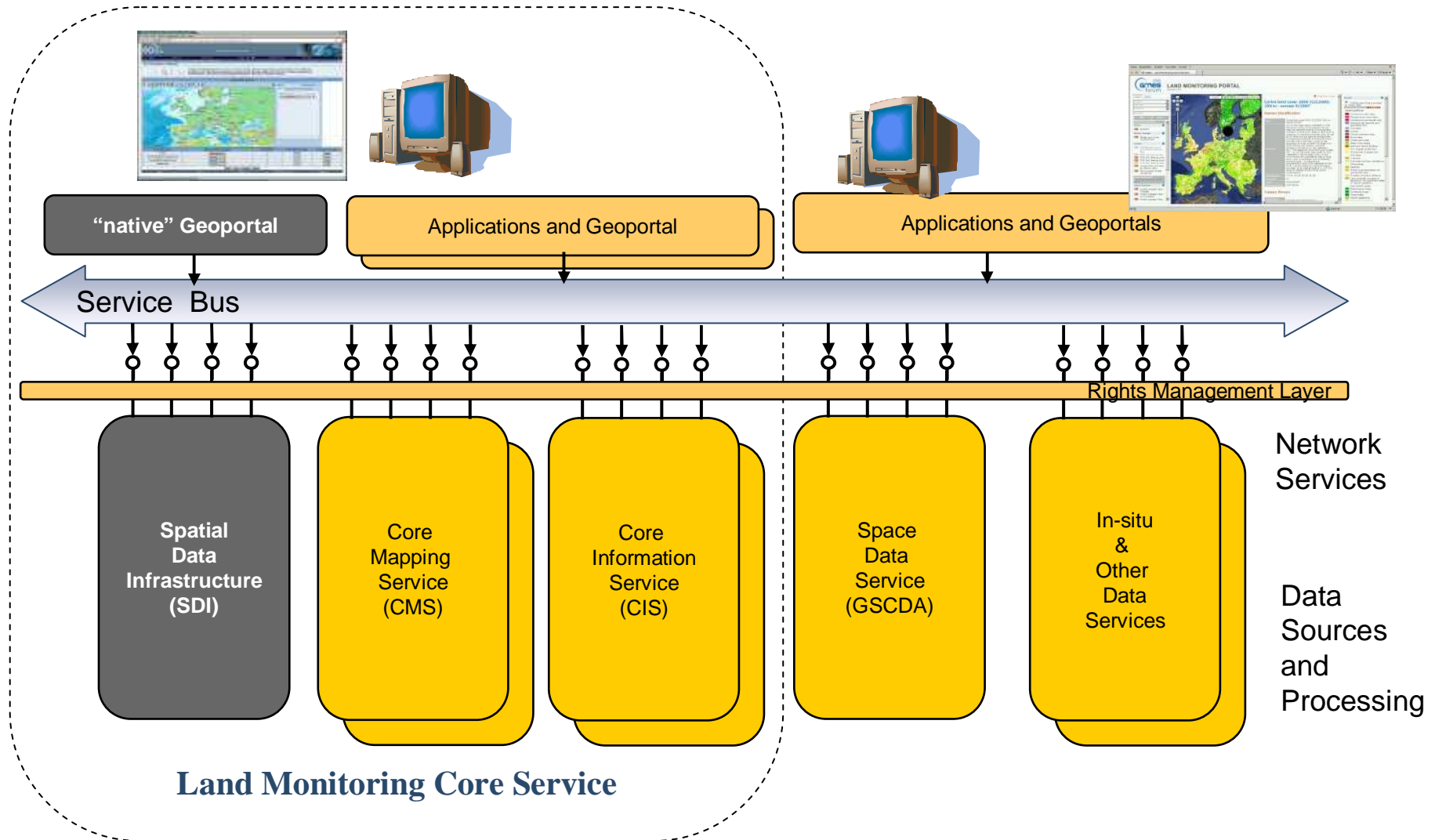


Overall LMCS Service Model



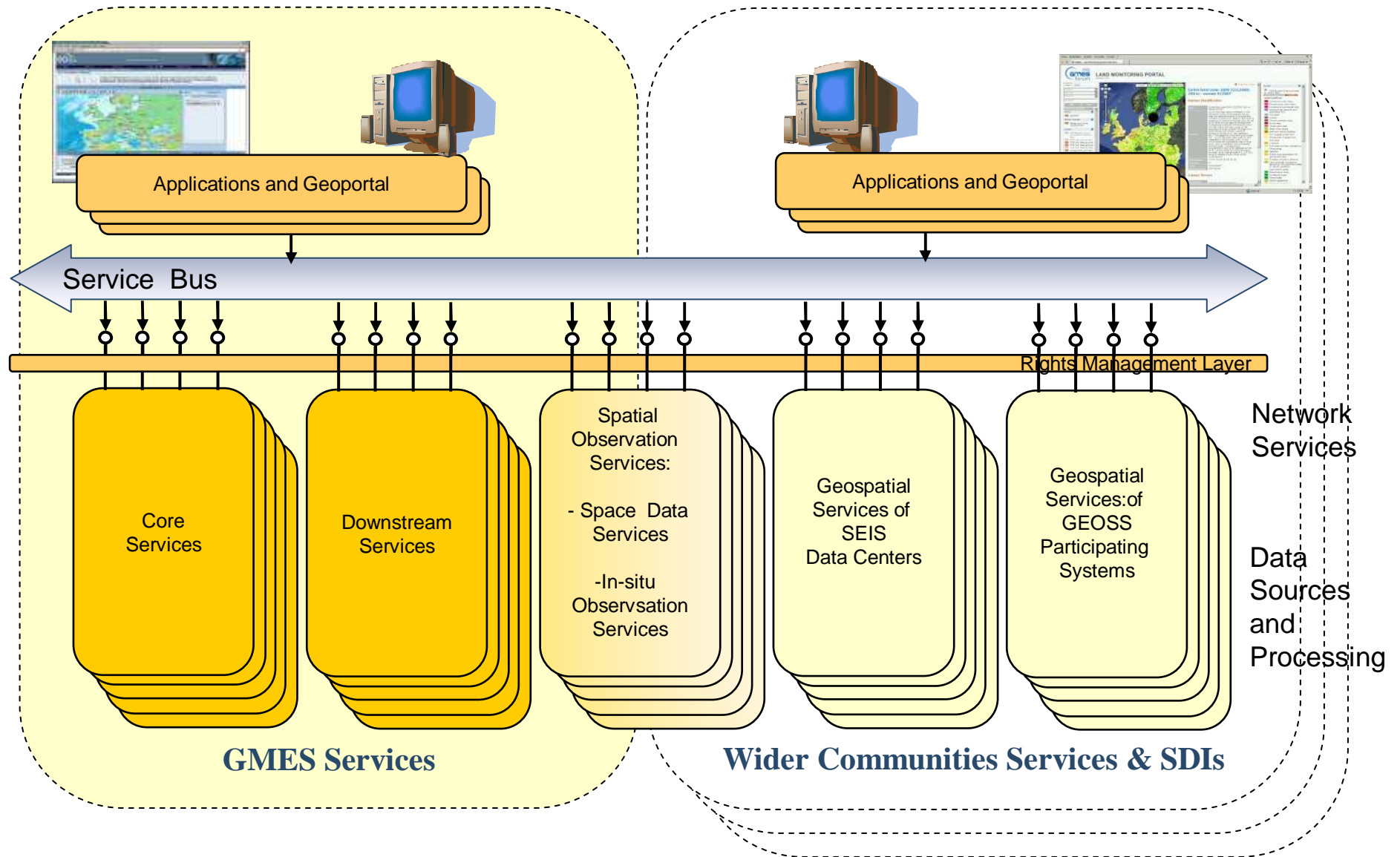


Overall LMCS Service Model





Overall LMCS Service Model





- **The geoland2 CMS and CSIs have to be actively involved in the SDI approach to:**
 - geoportal(s),
 - utilization of OGC Web Services (OWS),
 - network service orchestration,
 - OWS security
 - and related management (sharing of implementation and operation responsibilities).

- **Corresponding relationships need to be maintained “at working level” between SDI and CMS and CIS;**

- **The workshop shall be a follow-on of the respective geoland 2 internal discussion (Mol kick-off; Dahlem Forum), future plans shall be harmonized**



- **geoland2, g-Mosaic, and GIGAS have been requested by reviewers to harmonize their approaches**
 - GIGAS consolidated view on architecture, standards, etc. (“shaping” of geoland2 and g-Mosaic)
- **a corresponding persistent working relationship shall be established among these projects;**
- **the workshop shall identify details of this relationship (e.g. re-use of certain services in the geoland2, g-Mosaic)**



- **geoland2 has a need to access:**
 - EO space infrastructures and
 - in-situ data infrastructures

- **There are the needs to establish and maintain relationships at level of technical interfaces and operational procedures with technical officers at**
 - ESA,
 - EEA and
 - in-situ/GIS/socio-economic data providers

- **(Contractual arrangements are important but outside the scope of the workshop)**

- **SDI is the responsible Task in geoland2 to implement and to a degree also operate these interfaces (a corresponding need exists also in g-Mosaic)**



Overall LMCS Service Model

