EO Ground Segment Evolution
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ESA/ESRIN Frascati
SIMPLIFY YOUR GEO-BUSINESS

CLUDEO teams with world-leading content and software providers to offer to you a unique geo-infrastructure as a Service bringing together data, software and processing power.

CLUDEO
Join the GEO (r)evolution!

- From GIS & EO to GEO
- From Sciences to Markets
- From on-site to the Cloud
- From FTP/DVD to web services
- From Products to Information
- From Projects to Services
- From « alone » to « together »
- From niche to mass markets
- From 99,99% to 5% of the value chain

but this alternative market, much larger, requires a new approach!
Expertise and activities relevant for future EO Ground Segments and Services (2)

- Boost the development of a whole range of innovative EO services
- Find ways to get EO connected to main stream mass market
- Mass market is looking for information as a service (INFOaaS) e.g. added-value services easy to find and consume
Expertise and activities relevant for future EO Ground Segments and Services (3)

Bridging the gap between IaaS/PaaS and INFOaaS at least for the Geospatial/Earth Observation domain based on new business models and eco-systems
New business models

New Eco-systems

Information as a Service (INFOaaS)

Providers of Geo-Data

Developers of Geo-Services

Providers of Geo-Software

Platform as a Service (PaaS)

Infrastructure as a Service (IaaS)

Step 1: Subscription Service

Users of Geo-Services

Step 4: Deliver results
Reflection on Ground Segment Evolution Reference Paper (1)
Reflection on Ground Segment Evolution Reference Paper (2)

Information as a Service (INFOaaS)

GEO Market Place Broker: a single marketplace that supports multiple merchants

APOLLO MAPPING
THE IMAGE HUNTERS

CLOUDEO STORE

AIRBUS DEFENCE & SPACE

GeoStore - enabling instant access to geo-information

EO Data-Mart

Providers of Geo-Data

Developers of Geo-Services

Providers of Geo-Software

GSCB
Ground Segment Coordination Body
Expectations and Recommendations

- Manage the Chaos:
  TEPs, PEPS-FR, CODE-DE, CollGS, etc...

And a bit of French one...
Expectations and Recommendations

• Foster the geo (r)evolution: InfoaaS Stimulus projects (W. Lengert)
Expectations and Recommendations

- Stimulate innovation and new usages of EO data: Planetary Labs Initiative
Expectations and Recommendations

• Leverage synergies with existing non-ESA initiatives:
Expectations and Recommendations

• Partner with EC and EU industry (ICT & GEO) to create alternative to US giants

Strengthening European Component of GEOSS Information System

• Global approach for sustained operation, continuity and interoperability of the GEOSS information system
• Need also to strengthen the access to Earth Observation at regional level
• To overcome the fragmentation of the European landscape of existing public and private Earth observation data infrastructures
• European data hub of the GEOSS information system should be developed
• To harvest available resources from relevant GEOSS data infrastructures in Europe and in particular from the distributed Copernicus data infrastructures.
Next meeting in Munich soon!