



“Sprint to Plenary” Support & GEOSS Data CORE

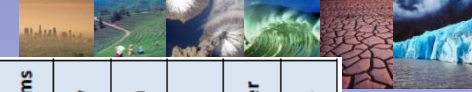
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Steps towards Plenary 2011 (1/2)



- 15th GEO ADC (INPE, Brazil, March 2011) decided to enhance significantly the GCI.
 - Demo at next GEO Plenary: **Sprint to Plenary - StP**
- Some specific features to be implemented:
 - Involve the User Community
 - Evolve from EO data discovery to **access to multiple types of EO data** (satellite, in-situ, various formats & protocols e.g. HMA, CWIC,...)
 - **Simplify registration** of GEOSS resources
 - Add **information** on **data quality** and **data access conditions**

Steps towards Plenary 2011 (2/2)



- Initial focus on about 20 Critical EO Observational Parameters and associated datasets
 - Data-CORE** and **other datasets**

Observation Parameter	Agriculture	Climate	Disasters	Ecosystems	Energy	Health	Water	Weather	# SBAs
Surface Air Temperature	X	X	X	X	X	X	X	X	8
Precipitation	X	X	X	X	X	X	X	X	8
Soil Moisture	X	X	X	X	X	X	X	X	8
Surface Humidity	X		X	X	X	X	X	X	7
Surface Wind Speed	X		X	X	X	X	X	X	7
Surface Atmospheric Pressure	X	X	X	X			X	X	6
Surface Wind Direction	X		X	X		X	X	X	6
Land Cover	X	X		X	X	X	X		6
Upper Level Humidity	X	X	X	X				X	5
Urbanization	X			X	X	X	X		5
Snow Cover Extent		X	X	X			X	X	5
Elevation			X	X	X	X	X		5
Land Surface Temperature	X		X		X		X	X	5
Leaf Area Index	X			X		X	X	X	5
Normalized Difference Vegetation Index (NDVI)	X			X	X	X	X		5
Vegetation Cover	X			X		X	X	X	5
Vegetation Type	X			X		X	X	X	5
Sea Surface Temperature (SST)		X	X	X		X		X	5

- Reuse of relevant existing projects (e.g. EC FP7).
 - Cost and time optimization.
 - 2 potential candidates for integration into GCI:

GENESI and **EuroGEOSS**



StP Status (1/3)

Accomplished since 2010 Plenary

- **Definition of high-level user scenarii** for Plenary demo with 2 types of users: Scientist knowledgeable about EO, and Local authority not familiar with EO
- **Improvement of data discovery:** systematic query of the NASA Global Master Change Directory (*GCMD / IDN – WGISS*) by the GCI
- **Data access:** redesign of GCI Architecture to integrate selected features of GENESI and EuroGEOSS to support the demo scenarii
- Implementation of **additional GCI upgrades** e.g.
 - *Data Sharing Action Plan (Data CORE flag)*
 - *Improved GEO Web Portal ergonomic) (started in May but still on-going)*



StP: a temporary solution to consolidate the current GCI



StP Status (2/3)

- Future remaining activities and milestones:

- **Complete GCI upgrade**

- mainly GEO Web Portal
- integration of EuroGEOSS Broker and GENESI
- CWIC :
 - **Data search** will be working to USGS Landsat, NASA ECHO, and INPE.
 - **Data Access** will be working to USGS Landsat and NASA ECHO.

- **Preparation of videos as per User Scenarii**

StP Status (3/3)



- Main Issues

- Coordination of various actors involved requires significant amount of energy and time, mainly because of limited resources



- Messy situation in the identification of Data-CORE data sets (*3 independent lists in circulation !!*) and **very low registration by Data Providers including space agencies**



Near-Future Plan

- Contribution to 2011 Events (*e.g.*, GEO-VIII, COP-17): **demo of improved GCI at GEO Plenary in Turkey**
- Additional Expected Achievements by the end of 2011: **kick-off GEOWOW** (EC FP7 project) **aiming at improving GCI access to data.**
- Information on any decisions that need to be made at CEOS Plenary: **space agencies to register their candidates Data Core datasets**
 - Open CEOS action but very little done: **could a central body (e.g. SEO) do it for all CEOS Agencies if relevant information is provided by those Data Providers ?**



Thank you ...

Questions ???