

Working Group on Information Systems and Services

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Overview of 2008 WGISS Meetings

- **WGISS-25/Subgroups Sanya, Feb 25-29**

- LSI Study Team met immediately prior to WGISS
- Began LSI Interest Group, with LSI Portal Project
- Joint Sessions, WGCV and ACC



- **WGISS-26/Subgroups Boulder, Sept 21-25**

- LSI Portal Demo Session and Interest Group
- ACC Activities Maturing
- Introduction to Precipitation Constellation: NASA/JAXA
- Joint Session, GEO ADC
- Introduction of WGISS and GEO ADC, UIC, CBC, C4, AIP

Focus: LSI Portal

- **DA-07-03: Action_5:** Provide a demonstration of prototype of an LSI Constellation Portal (Lead, Lyndon Oleson)

Status: Portal Project Progress Since Feb, 2008

- Comprise Team
- Construct Initial Build: Draft Prototype sent to LSI Study Team August 21 for comment and feedback.
- 2nd Iteration to LSI Study Team focused content

Next Steps:

- Obtain Comment from LSI Study Team on 2nd Iteration
- Boulder WGISS-26 Demo and Detailed Planning Session
- Plan and schedule for further enhancements to features, contents for incorporation in updates in the coming year
- Best looking and functioning Portal for Plenary
- Strong Candidate for GEO Plenary Demo
 - Coordinating with LSI Study Team and GEO Sec

WGISS 2008 Category 1 Actions

Two Climate actions GEO Task CL-06-02

- **Action_13:** Conduct ACC/Climate Workshop for plans to construct CDRs for atmospheric ECVs (Contributing, Martha Maiden)
Status: "Workshop on Long Term Data Sets and Climate Modeling" planned by CEOS, and SPARC. Invitation letter sent Aug 6, signed by NASA (Hilsenrath/Maiden) and ESA (Zehner/Langen).
Next Steps: Workshop October 15-17 at GISS/NYC (will constitute 3rd ACC Meeting), and outcomes captured.
- **Action_14:** WGISS demonstrate access to visualization of long-term trends of CDRs of ECVs (Lead, Lola Olsen)
Status: Draft URL for Climate Diagnostics Portal sent to Dr. Mitch Goldberg Aug 29 for comment and received enthusiastic feedback.
Next Steps: Demo at WGISS-26. A plan and schedule for further development of features, additions of content, and updates are planned. When mature, advertise presence of this capability and provide tool for scientists to share their climate diagnostics visualizations.

WGISS 2008 Category 1 Actions

Two Architecture actions for GEO Task AR-07-02

- **Action_1:** Contribute to implementation of Sensor Interoperability Session in GEO Architecture Implementation Pilot (AIP). (Lead, Terence van Zyl)

Status: WGISS Sensor Web Project and van Zyl responded to CFP, will attend Kick-Off Workshop in Boulder

Next Steps: Engage in architecture implementation phase 2.

- **Action_2:** Participate in AIP in 2008 with catalogs server, WMS server and client and support its pilot activities. Evaluation of interface protocol between JAXA server and GEOSS portal/clearinghouse (after GEOSS clearinghouse/portal are identified). (Lead, Satoko Miura)

Status: Responded to CFP, will attend Kick-Off Workshop in Boulder. JAXA is now developing the catalog server prototype.

Next Steps: Since the overall schedule of the AIP was delayed and the Kick-off workshop is in September, the due date should be shifted to the end of this year (TBD, depends on the result of the Kick-off workshop).

Other Actions (Cat 2 & 3)

- **HE-07-01: Action_1:** Develop plan for efficient imagery access to support modeling, forecast and monitoring of health issues (requested and offered to provide support) *CEOS Health SBA to participate in WGISS-26.*
- **HE-06-03: Action_2:** Demonstrate a global smoke plume and dust forecasting product using multiple satellite product inputs (contributing, linked to DA-07-04 below)
- **DA-07-04: Action_1:** Sensor Web Interest Group work with Fishman/Hilsenrath to agree on prototype to support HE-06-03 by EO-1 tasking in support of smoke plume modelling. (Lead: Terence van Zyl) *Busy finalising discussions around use case.*
- **WA-06-07: Action_4:** Demonstrate Open Knowledge Environment (OKE), platform for showcase of applications. (Lead: Liu Chuang) *Progress to be reported at WGISS-26.*

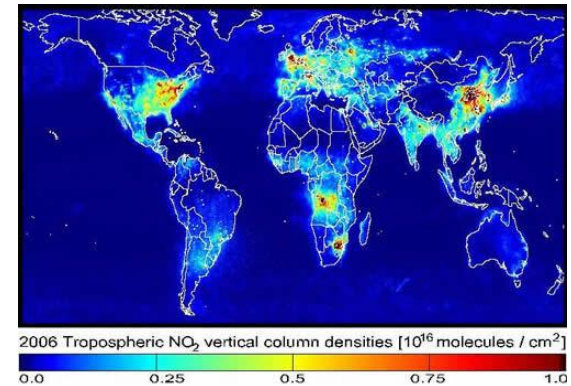
WGISS Summary

Current Themes

- Provide satellite arm of **GEO System of Systems**
 - Innovative contributions that will persist, and can be reused
- Work closely with and support **Virtual Constellations**
- Work closely with collaborate with **WGCV**
- Support the **Data Democracy** initiative.

Status

- High GEO interest in **LSI Portal**
- Working actively with LSI, ACC, and engaging PC at WGISS-26.
- Working actively with WGCV
 - Example of collaboration: Ensuring metadata contain all relevant content on data quality, using multiple instruments' data looking at specific site.
- Contribution to Data Democracy to be emphasized at WGISS-26.



(Jim Gleason, USA ; Pepijn Veeffkind, KNMI)

