



CEOS-GEO Consultations; 2011 CEOS Priorities and Actions

Agenda Item 3
Timothy Stryker
CEOS Executive Officer

SIT-26 – Frascati, Italy, 23-24 May, 2011

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2011 – CEOS Reaches Out Even Further to Support GEO



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CEOS-GEO Consultations

December 13-14, 2011

- **GEO Update and Priorities for CEOS: 2011 and Beyond**
- **Discussion of Outcomes from CEOS Plenary and GEO Plenary/Ministerial Meetings**
- **Review of 2009-2011 GEO Work Plan (WP) for Ongoing and Potential New CEOS Contributions**
- **Translation of 2011 GEO Priorities into Future CEOS-GEO Actions List and Updated CEOS Implementation Plan**
- **Plan for 16-17 Feb CEOS Actions Workshop, Washington, DC**
- **2012 – 2015 GEO WP Formulation**
- **Important Considerations for CEOS 2011 WP Formulation**

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CEOS 2011 Work Plan

- **Improved coordination of space agency activities on Climate**
 - Completion of the CEOS Response to the “2010 GCOS Implementation Plan”
 - CEOS input to the revision of the Systematic Observation Requirements for Satellite-Based Products for Climate (the “GCOS Satellite Supplement”)
 - Establishment and initial steps of the CEOS Working Group on Climate
 - Intensified cooperation with GEO, WMO and CGMS on the definition of a “Climate Monitoring Architecture”
 - Utilization of the Virtual Constellations (VCs) as preliminary building blocks of this architecture and as contributions to the production of Essential Climate Variables, as defined in the “2010 GCOS Implementation Plan”
- **Utilization of the CEOS VC concept to enable space-based contributions to the GEOSS Common Infrastructure (GCI)**

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CEOS 2011 Work Plan (cont'd)

- **Progress towards established CEOS priorities**
 - Forest Carbon Tracking from Space
 - Development of CEOS Strategy Space-Based Carbon Observations
 - Advancing the Data Democracy Initiative
- **CEOS support to the Emerging GEO priorities**
 - Further development /"operationalization" of the GCI
 - Continued/expanded support for Geohazards Supersites
 - Initial support to the Joint Experiments on Crop Assessment and Monitoring (JECAM) initiative
 - Exploratory dialogue on potential CEOS contributions to enhanced fresh water resource conservation and management
 - Exploratory dialogue on potential CEOS contributions to the GEO Biodiversity Observation Network

CEOS 2011 Work Plan (cont'd)

- **Continued and enhanced CEOS outreach to key stakeholders: GEO, COP, UNFCCC, SBSTA, G8/G20, and others**
 - Representation at key meetings
 - Maintenance of online services
 - CEOS website
 - Missions, Instruments and Measurements (MIM) database
 - CEOS Newsletter publication

CEOS-GEO Actions Workshop

16-17 February 2011

- **Develop/Document 2011 CEOS-GEO Actions**
- Prepare CEOS Inputs for GEO 2012-2015 WP
- Consider Virtual Constellations Contributions to GEOSS Data CORE and GCI
- Discuss SBA Coordinator Activities
- Preview CEOS “Self Study” for 2011
- Prepare for SIT-26

2011 CEOS-GEO Actions Criteria

Objective: Fewer but more useful actions

- **Address priority tasks of GEO w/focus on top CEOS priorities**
- **Cooperation of at least two CEOS Agencies**
- **“Significant” efforts and good coordination**
- **Significant and citable benefits towards meeting societal needs**
- **“Actionable”**
 - Properly described
 - Feasible with Lead Agency/Agencies (or WG, VC, SBA Team) and at least one contributor
 - Clear milestones and deliverables

CEOS-GEO Actions for 2011: By the Numbers

- 6 Actions from 2010 closed
- 25 Actions continued from 2010 into 2011
- 16 Actions new for 2011
- 9 Actions under further review/classification
- Nearly even split between Category 1 and Category 2 Actions*

* Category 1 (Top Priority) Actions are related both to GEO tasks led/co-led by CEOS and related to CEOS's list of major deliverables, and considered critical for CEOS contribution to GEO in 2011.

CEOS Actions Categories


- Data: Provision (including reprocessing) and Access (including interoperability and user portals)
- Scientific and Calibration/Validation
- Programmatic (*e.g.*, planning of future missions and sensors, requirements/gap analyses, funding)
- Capacity Building

On-Line CEOS-GEO Actions Tracking System

- Direct access from CEOS Home Page (see “Actions” tab on www.ceos.org)
- Real-time status reports for each CEOS-GEO Action
- Direct linkages to GEO Task Sheets
- On-line editorial privileges for CEOS Action Leads
- Direct e-mail connectivity to CEOS Action Leads

Thank you to the NASA CEOS SEO Team!

On-Line View



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CEOS-GEO Action Number	AG-07-03a_2
GEO Task Reference	AG-07-03a: Global Agricultural Monitoring System
Action Status	OPEN
CEOS Action Category	2
Action Description	Modify the Google-Earth CEOS Visualization Environment (COVE) tool to accommodate the Joint Experiments on Crop Assessments and Monitoring (JECAM) initiative. Relevant mission and instrument combinations can be used to forecast sensor groundtracks and coincidences for acquisition planning and calibration/validation efforts.
Due Date (DD-MMM-YYYY)	09-NOV-2011
Primary POC	Brian Killough (brian.d.killough@nasa.gov)
Lead Agency	NASA
Other Agency and Organization Participation	USGS, INPE, ESA, JAXA, ISRO, NOAA, NASA (SEO)
CEOS Working Group and Constellation Participation	LSI
Planned Deliverables & Milestones	(1) 01-Apr-2011: Generate KML files to display JECAM regions and add a dedicated application tab to COVE (2) 01-Apr-2011: Develop relevant current and future mission-instrument list with the JECAM team (3) 01-Aug-2011: Add relevant current mission-instrument combinations to COVE with sensor fields-of-view (4) 01-Oct-2011: Produce a monthly acquisition report and publish on the COVE website (5) 09-Nov-2011: Complete a COVE demonstration for JECAM at the 2011 CEOS Plenary Meeting
Summary of Accomplishments & Issues	
Last Reporting Date (DD-MMM-YYYY)	17-FEB-2011
Comments	

- DA-09-01a_14
- DA-09-01a_15
- DA-09-01a_16
- DA-09-01a_17
- DA-09-01a_18
- DA-09-01a_19
- DA-09-01a_20
- DA-09-01b_2
- Capacity Building (CB)**
- CB-09-02g_1
- CB-09-05e_2
- CB-09-05e_3
- CB-09-05e_4
- CB-09-05e_5
- GEO Societal Benefit Areas (SBAs)**
- Agriculture (AG)**
- AG-07-03a_2
- AG-07-03a_5
- AG-07-03a_6
- Climate (CL)**
- CL-09-02b_2
- CL-09-02b_3
- CL-09-02b_4
- CL-09-03b_5
- CL-09-03b_6
- CL-09-03c_1
- CL-09-03c_2
- Disaster (DI)**
- DI-06-09_8
- DI-09-01c_1
- DI-09-02a_2
- DI-09-02a_3
- DI-09-02b_2
- DI-09-02b_3
- Ecosystems (EC)**

Next Steps

- Execution of 2011 CEOS Actions in accordance with stated milestones
- Contributions to GEO 2009-2011 Work Plan
- Assist in formulation of and contributions to GEO 2012-2015 Work Plan
 - Written CEOS comments provided prior to issuance of GEO WP V.0
 - Participation by CEOS representatives in GEO WP Symposium
 - Follow-up CEOS Comments/Recommendations
- Ongoing input/updates in CEOS Action Tracking System; Status Review in September
- Presentation of Accomplishments at 25th CEOS Plenary, GEO VII Plenary, and UNFCCC COP-17