

CEOS Implementation Plan v2

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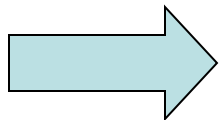
Plan

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- CEOS IP v2 Overview
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Introduction

Background

- **Significant effort in producing CEOS IP v1 (Nov. 07). Known areas for improvement:**
 - CEOS Actionees not yet identified
 - Contains gaps and inconsistencies (*Plenary action 21-7*)
- **GEO updated its 2007-2009 Work Plan (Nov. 07 & Mar. 08)**
- **GEO Director asked CEOS (Dec. 07):**
 - to identify the **GEO Tasks** to be supported by CEOS, based on the Agencies' interests and resources
 - to quickly produce concrete results



CEOS support to GEO in 2008 to be completely revised

Consequences for CEOS IP v2

- **CEOS IP v1 contains 3 parts:**
 - Part 1: introduction to the Plan and to the GEO targets to be supported by CEOS
 - Part 2: details the actions, milestones, delegation of responsibility, and CEOS co-ordination with other bodies
 - Part 3: current snapshot of progress by space agencies towards the actions identified, and of plans for the coming year.
- **Originally V1 designed so that only Part 3 would be updated, once a year.**
- **With the redefinition of the 2008 CEOS actions and the refocus from GEO targets to GEO Tasks, the 3 parts need to be updated.**

CEOS IP v2 Overview

Overview of CEOS IP v2

- **Part 1:** large reuse of V1. Adaptation to reflect the new focus on Tasks
- **Part 2:** all the 147 CEOS Actions defined in 2008 are described in sections 3 to 11 (*1 per SBA + Transverse*)
 - Distinction between Category 1 actions and the other actions
 - Category 1 actions already consolidated
 - Very few Category 2 to 4 consolidated (i.e. sufficiently well defined)
 - Less details in CEOS IP v2 than in CEOS GEO Actions table
 - CEOS GCOS actions are also included in Climate section (*copy & paste from CEOS IP v1*)

Example extracted
for Part 2 ,
Water SBA section

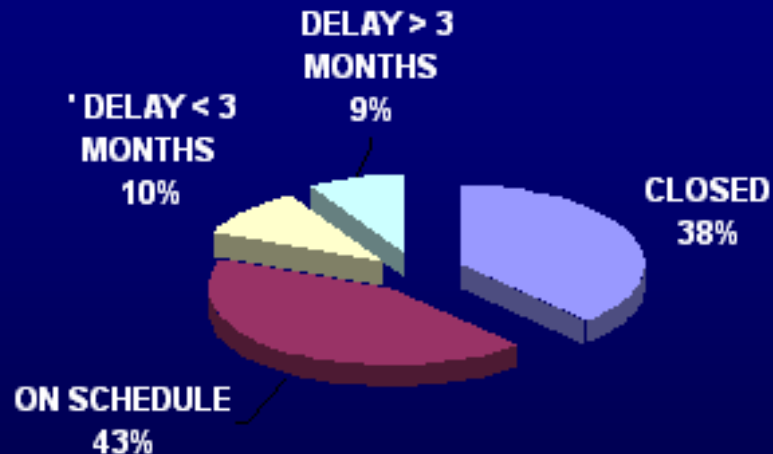
WA-06-07_1	<i>Description</i>	Develop and release a web based GIS, named SIGMA, and a desktop application to handle products and data received by the GEONET Cast (SIGMACast)		
	<i>Due Date</i>	31/08/2008	<i>Category</i>	1
	<i>POC</i>	Carlos Frederico Angelis, INPE	<i>E-mail</i>	angelis@cptec.inpe.br
	<i>Milestones & deliverables</i>	<p>1• July 2007: Beginning of development of the web based GIS (SIGMA) using MAPSERVER technology;</p> <p>2• September 2007: Beginning of development of SIGMACast using the existent GVSIG project;</p> <p>3• August 2008: Release of SIGMACast Beta Version;</p> <p>4• December 2008: Release and dissemination of SIGMACast (download via INPE website and/or DVD distribution);</p> <p>5• December 2008: Release of SIGMA web based GIS with basic functions</p> <p>6• 2009-2010: Improvement of both: SIGMA and SIGMACast</p>		

WA-06-07_2	<i>Description</i>	Preparation of the TIGER activities for 2008-2010 in collaboration with CEOS and African partners		
	<i>Due Date</i>	01/10/2008	<i>Category</i>	1
	<i>POC</i>	Diego Fernandez Prieto, ESA	<i>E-mail</i>	Diego.Fernandez@esa.int
	<i>Milestones & deliverables</i>	<p>1• May 2008 TIGER new implementation period has been proposed as a CEOS contribution to the GEO Work plan 2009-2011</p> <p>2• May 2008: Draft TIGER Implementation Framework 2008-2011</p> <p>3• July 2008: Steering Committee meeting.</p> <p>4• September 2008: Launch of Scientific component</p> <p>5• November 2008: TIGER Workshop 2008 and official kick-off of the TIGER 2008-2010 Implementation period</p>		

Overview of CEOS IP v2

- **Part 3:**
 - **Overview of the 2008 achievements e.g.**
 - Overall Status of Cat 1 actions with color code
 - List of data sets generated (with access information – web site)
 - List of documents produced (reports, presentations, articles,..)
 - List of workshops organized or supported
 - Main outcomes from Constellations
 - **Detailed status for all CEOS Actions**
 - Mostly for Category 1 actions
 - **Way Forward**

Overall Status of Cat 1 actions



80 % will be “closed” by Oct. 1

Overall Status of Cat 1 actions

Status	Delay (month)	CEOS-GEO Action Number	Action Status (OPEN / CLOSED)	Action Description	Due Date	POC	Proposed Lead Agency
DEL	24	AG-06-04_2	OPEN	Provide the UN FAO Forest Resource Assessment 2010 (FRA2010) with the land surface image data, filling the holes in the primary Landsat data set needed to complete this assessment, or at least to establish the interagency agreements to do so.	31/12/2009	Bryan Bailey	USGS
CLD	0	AG-06-04_3	CLOSED	Generate and make accessible to global scale forest mapping data sets	30/09/2008	M. Shimada	JAXA
PRG	2.5	AG-06-04_4	OPEN	Compile mid-resolution LSI data sets over selected (TBD) area.	31/12/2009	Bryan Bailey	USGS
CLD	0	CL-06-01_1	CLOSED	Characterize historical HIRS instrument spectral response effects on HIRS intersatellite bias using IASI and AIRS	30/09/2008	Changyong Cao	NOAA
CLD	0	CL-06-01_2	CLOSED	Provide a four-year extension of the total ozone and ozone profile Climate Data Records for the SBUV(2) measurement retrievals by reprocessing NOAA-16 and NOAA-17 SBUV/2 records through 2007 with latest characteristics.	30/09/2008	Flynn	NOAA
CLD	0	CL-06-01_3	CLOSED	Extend long-term time series of AVHRR (clouds, aerosols, surface temperature, vegetation index) and SSM/I (total precipitable water and rain rates) to June 2008.	30/09/2008	Goldberg, Heidinger, Ferraro	NOAA
UNK		CL-06-01_7	OPEN	Reanalyzed global sea ice data (1987/1995-2005)	30/09/2008	Schuller	EUMETSAT
CLD	0	CL-06-01_8	CLOSED	Develop SSU radiative transfer model for reanalysis.	30/09/2008	Zou	NOAA
PRG	0	CL-06-01_9	OPEN	Reprocess SCIAMACHY products	30/09/2008	Thomas Trautmann	DLR
PRG	0	CL-06-02_1	OPEN	Measurement consistency for 1-5 km sensors: 1) Complete Phase 1 of the project assessing the measurement consistency of MODIS, ATSR, and AVHRR and provide recommendations for recalibration. 2) Initiate Phase 2 of the project to generate FCDRs from 1KM AVHRR at a continental scale for North America and Asia.	01/10/2008	J. Xiong, C. Cao, A. Trishchenko	NOAA
CLD	0	CL-06-02_2	CLOSED	Conversion of TRMM Product into GIS format	30/04/2008	Steve Neek	NASA

List of documents generated in 2008

TODAY						
<input type="checkbox"/>			NOAA-ISRO_Workshop_Summary_Mar2008	DA-07-01_1	me	10:59 am me
<input type="checkbox"/>			ceos-geo actions table 25 july 2008		me	6:15 am me
EARLIER THIS MONTH						
<input type="checkbox"/>			DI-06-09 User Report PPT 07DEC05	DI-06-09_1	DI-06-09	r Aug 3 me
EARLIER THIS YEAR						
<input type="checkbox"/>			Teleconference-July22-minutes	DISASTERS	me	Jul 28 me
<input type="checkbox"/>			DM Caribbean Pilot-presentation	DI-06-09_3	me	Jul 28 me
<input type="checkbox"/>			DM Caribbean Pilot-report	DI-06-09_3	me	Jul 28 me
<input type="checkbox"/>			Mr Takashi Moriyama.pdf	DI-06-09_2	me	Jul 28 me
<input type="checkbox"/>			Board_to_GEO_22may2008.pdf	DI-06-09_2	me	Jul 28 me
<input type="checkbox"/>			Cao_SPIE2008Paper	CL-06-01_2	me	Jul 25 me
<input type="checkbox"/>			WGCV_IGARSS2008_paper.pdf	DA-06-02_1	me	Jul 24 me
<input type="checkbox"/>			WGCV_IGARSS2008_slides.pdf	DA-06-02_1	me	Jul 24 me
<input type="checkbox"/>			ACC-3 Invite - 17 July 2008.pdf	ACC-3 Workshop	CL-06-0	Jul 17 me
<input type="checkbox"/>			GEO_WorkPlan_2007-2009_v6.pdf	From GEO	me	Jul 16 me
<input type="checkbox"/>			CEOS-GEO Actions Table 7 July 2008 - CATEGORY 1 ACTI	GENERAL DOCUMENTATIO		Jul 16 me
<input type="checkbox"/>			CEOS-GEO Actions Table 7 July 2008 - ALL CATEGORIES.j	GENERAL DOCUMENTATIO		Jul 16 me
<input type="checkbox"/>			JGR_Cao_etal_2007JD009363.pdf	CL-06-01_1	CL-06-02_1	Jul 12 me
<input type="checkbox"/>			Ottawa_CCRS_CEOS_Workshop_CL_06_02_01_Report.j	CL-06-01_1	CL-06-02_1	Jul 12 me
<input type="checkbox"/>			IGARSS2008_cao_MO4.210.2.pdf	DA-06-02_1	me	Jul 12 me
<input type="checkbox"/>			CEOS Actions to be highlighted - 30 June 2008 -FINAL	GENERAL DOCUMENTATIO		Jul 10 me
<input type="checkbox"/>			ASTER-DEM-fusion-experimentsV1.1_web.pdf	DA-07-01_3	me	Jul 7 me
<input type="checkbox"/>			GEOSS-Interoperability-Guidance-DEM-data-V1_2.pdf	DA-07-01_3	me	Jul 7 me
<input type="checkbox"/>			WGCV IGARSS 08 - TOWARD CONSISTENT SATELLITE CA	DA-06-02_1	me	Jul 7 me
<input type="checkbox"/>			ACC-3 Workshop Announcement	ACC-3 Workshop	me	Jul 2 me
<input type="checkbox"/>			SEO Summary (WORD format)	Systems Engineering Office		Jul 2 me
<input type="checkbox"/>			SEO Summary for CEOS Newsletter (July 2008)	Systems Engineering Office		Jul 2 me
<input type="checkbox"/>			CEOS metadata	DI-06-09_5	DI-06-09	Pub Jul 2 me

List of new datasets generated in 2008

Action Id	Data Sets Descriptions
AG-06-04_3	<p>The ALOS Kyoto and Carbon Initiative web site can be accessed on the following URL:</p> <p>http://www.eorc.jaxa.jp/ALOS/kc_mosaic/kc_mosaic.htm</p> <p>As the reference dataset for the ALOS Kyoto and Carbon Initiative Project, two products are being created,;</p> <ol style="list-style-type: none"> 1) PALSAR 50m <u>Orthorectified Mosaic Product</u>. 2) PALSAR 500m <u>Browse Mosaic Product</u>.
CL-06-01_7	<ol style="list-style-type: none"> 1. (from September 08): daily ice concentration products (based on SSM/I data and covering the period 1987-2007) are available through the OSI-SAF Sea Ice Web Portal (http://saf.met.no) in <u>NetCDF</u> format; 2. (from December 08): daily ice concentration products (based on SSMR data - period 1978-1987) will be available through the OSI-SAF Sea Ice Web Portal (http://saf.met.no) in <u>NetCDF</u> format.
CL-06-02_2	The TRMM real-time precipitation data in GIS format are generated routinely

List of workshops organized or supported in 2008

Action Id	Workshops, Symposiums, Conferences Descriptions
DA-06-02_3	The 2nd CEOS-GEO Cal /Val Workshop held successfully (NIST, Gathersburg, USA, May 6-8, 2008). Workshop Objective: to continue developing the framework and guidelines for data quality assurance. Documentation available at http://calvalportal.ceos.org/CalValPortal/showWorkshops.do
CL-06-01_1	a workshop has been held at CCRS (Canada) early June 2008. The CCRS workshop report is available (Ottawa_CCRS_CEOS_Workshop_CL_06_02_01_Report.pdf) and a journal paper published (IGR_Cao_etal_2007ID009363.pdf)
CL-06-02_1	Same as per CL-06-01_1 .
CL-06-02_3	1. April 28-30, 2008: Workshop on Mesoscale and Sub-mesoscale Oceanic

DA-07-03: "Virtual Constellations"

CEOS Role : Lead

Action detailed status

DA-07-03_6	<i>Description</i>	TRMM data processing will be assumed by the Precipitation Processing System (PPS) effective 1 June 2008. This action allows an early build of the data processing system that will be used for GPM processing to be used to establish key aspects of a system required for multiple satellite data merging: flexibility, extensibility, and maintainability. In addition the action improves the access to the user community of all TRMM based data including the production merged satellite product.		
	<i>Due Date</i>	01/06/2008	<i>Category</i>	1
	<i>POC</i>	Steven Neeck; NASA	<i>E-mail</i>	steven.neeck@nasa.gov
	<i>Milestones & deliverables</i>	<ul style="list-style-type: none"> 1• March 31, 2008: System testing completed 2• May 31, 2008: Operational Acceptance Testing (OAT) completed. 3• June 1, 2008: Precipitation Processing System (PPS) assumes Tropical Rainfall Measuring Mission (TRMM) data processing 		
	<i>Status</i>	CLOSED		
	<i>Main achievements</i>	<ul style="list-style-type: none"> 1. COMPLETED. System testing ended on 31 March 2008. System testing was very successful. 2. COMPLETED. Operational Acceptance Testing (OAT) began on 1 April 2008 and will continue through 31 May 2008. System testing was very successful and early OAT indicates the same. 3. COMPLETED. TRMM data processing will be assumed by the Precipitation Processing System (PPS) that has been successfully completed in June 2008. This action allows an early build of the data processing system that will be used for GPM processing. 		

CEOS IP v2 Status

Status (1/2)

- The CEOS IP v2 shall be ready beginning of October 2008
- Part 1 is ready
- Part 2 needs to be completed:
 - Management part (section 12)
 - still to be updated to reflect changes in CEOS since 2007 (e.g. CEOS SBA Teams) (*minor work*)
 - Category 2 to 4 actions
 - Most of Category 2 to 4 actions still need to be consolidated (*will not be ready for CEOS Plenary*)

Status (2/2)

- Part 2 will need to be updated beginning of 2009 after both:
 - the Cat 2-to-4 actions consolidation
 - the definition of the new CEOS actions, following approval of GEO 2009-20011 WP (GEO-V Plenary)
- Part 3 needs to be completed:
 - Insert the detailed status of the CEOS actions (mainly Cat 1 actions). **This information is currently available in several existing tables.**
 - **Way forward still to be written**

THANK YOU

QUESTIONS ?