

**CEOS-GEO Actions Table - Issue 1.11 - Date March 13, 2008**

**LEGEND**

Cells requiring updated or missing information

Actions needing resources or SIT support

The last cell of the corresponding row (last Column "R") is highlighted in green

**CATEGORY LEGEND (column H)**

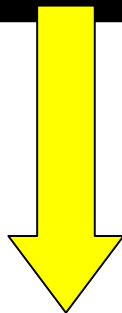
Category-1: Highest CEOS priority

Category-2: Medium CEOS priority to be completed after Oct 1, 2008

Category-3: Lower CEOS priority

Category-4: Lower CEOS priority to be completed after Oct 1, 2008

**ACTIONS in  
FOLLOWING Sheets**



Column Descriptions

Column Names	Column Description
CEOS-GEO Action Number	Unique identifier for the CEOS Action supporting one or more GEO Tasks. Concatenation of the Primary GEO Task identifier and an incremental number e.g. <b>CL-06-02_1</b> , <b>CL-06-02_2</b>
Primary SBA Addressed	GEO Societal Benefit Area primarily addressed by the relevant GEO Task
All SBAs Addressed	Other GEO Societal Benefit Areas also addressed by the relevant GEO Task, demonstrating the cross-cutting nature of that GEO task
Primary GEO Task	Identifier of the GEO Task primarily addressed by the CEOS Action
Additional related GEO Task(s)	Identifier of all the other GEO Tasks also addressed by the CEOS Action
CEOS Action Category (1 to 4)	1-digit number between 1 to 4 used by CEOS to establish priorities for the execution of the various CEOS Actions: <b>Category-1:</b> Highest CEOS priority to be completed before Oct 1, 2008 <b>Category-2:</b> Medium CEOS priority to be completed after Oct 1, 2008 <b>Category-3:</b> Lower CEOS priority to be completed before Oct 1, 2008 <b>Category-4:</b> Lower CEOS priority to be completed after Oct 1, 2008
Action Description	Short dextrsption of the CEOS Action
Due Date	Completion date of the CEOS Action
POC	Name of the Point of Contact (POC) in charge of managing the execution of the CEOS Action
POC Email Address	E-mail address of the Point of Contact
Proposed Lead Agency	Agency identified as the Organization of the Point of Contact and Proposed Lead Agency
All Agency and Organization Participation	List of all Agencies and Organizations involved in the execution of the CEOS Action
CEOS Working Group and Constellation Participation	List of all CEOS Working Groups and Virtual Constellations Teams involved in the execution of the CEOS Action:
Questionnaire Reference	Name of the questionnaire file that has lead to the definition of the CEOS Action. The questionnaire file contains detailed information regarding the on-going activities relevant to a specific GEO task, the related issues and the detailed proposal of CEOS activities to be conducted in support to the specific GEO Task. This information is critical and may be accessed at any time to get more details relative to the CEOS Action
Comments	Free text

Category 1 Actions

CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
AG-06-04_2	Agriculture	Agriculture	AG-06-04	DA-07-03 AG-07-03	1	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.  Compile mid-resolution LSI data sets over selected (TBD) area.	12/31/2009	Bryan Bailey	gbbailey@usgs.gov	USGS	TBD	LSI	<no questionnaire provided>	This was determined as an action at the February LSI constellations meeting in Sanya  <b>Data sets may be selected over forested and agricultural areas (e-mail from Brad Reed, 07 Mar 2008, reporting discussion with Bryan Bailey)</b>  <b>Should we include INPE's PRODES project ?</b>
AG-06-04_3	Agriculture	Agriculture	AG-06-04		1	Generate and make accessible to global scale forest mapping data sets	9/30/2008	M. Shimada	shimada.masanobu@jaxa.jp	JAXA	JAXA		<no questionnaire provided>	
CL-06-01_1	Climate	Climate	CL-06-01		1	Characterize <b>historical HIRS</b> instrument spectral response effects on HIRS intersatellite bias using IASI and AIRS	9/30/2008	Changyong Cao	Changyong.Cao@noaa.gov	NOAA	NOAA, NASA, CNES, EUMETSAT, GSICS	WGCV	CEOS-GEO Worktable Questionnaire_CL0601_wgcv.doc	No additional resources are required.
CL-06-01_2	Climate	Climate	CL-06-01		1	Four year extension of SBUV/2 Ozone climate data record	9/30/2008	Flynn		NOAA	NOAA,NASA	ACC	CEOS-GEO_CL-06-01_CL-06-02_Questionnaire_Flynn.doc	No additional resources are required.
CL-06-01_3	Climate	Climate	CL-06-01		1	Extend long-term time series of AVHRR (clouds, aerosols, surface temperature, vegetation index) and SSMI (total precipitable water and rain rates) to June 2008.	9/30/2008	Goldberg, Heidinger, Ferraro	Mitch.Goldberg@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Heidinger CEOS-GEO_CL-06-03_Questionnaire_Ferraro	Current funding adequate, future funding resources required if action needs to be extended beyond Sep. 2008 with data sets after June 2008
CL-06-01_7	Climate	Climate	CL-06-01		1	Reanalyzed global sea ice data (1987/1995-2005)	9/30/2008	Schueller	Lothar.schueller@eumetsat.int	EUMETSAT	EUMETSAT		CEOS-GEO_CL-06-01_Questionnaire_EUM.doc	No additional resources are required.
CL-06-01_8	Climate	Climate	CL-06-01		1	Intercalibrated MSU and SSU radiative transfer model.	9/30/2008	Zou	Cheng-Zhi.Zou@noaa.gov	NOAA	NOAA, ECMWF		CEOS-GEO_CL-06-01_Questionnaire_Zou.doc	No additional resources are required.
CL-06-01_9	Climate	Climate, Health, Disasters, Transverse	CL-06-01		1	Reprocess SCIAMACHY products	9/30/2008	Thomas Trautmann	thomas.trautmann@dlr.de	DLR	DLR, ESA	ACC	CEOS-GEO_CL-06-01_Questionnaire_DLR.doc	No additional resources are required.
CL-06-02_1	Climate	Climate, Transverse	CL-06-02	DA-06-02	1	<b>Measurement consistency for 1-5 km sensors:</b> 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.	10/1/2008	J. Xiong, C. Cao, A. Trishchenko	Changyong.Cao@noaa.gov	NASA	NASA, ESA, NOAA, CSA/CCRS, USGS, CMA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Resources for 2009 required from NASA, NOAA, and USGS. Resources from CCRS and CMA have been partially identified.
CL-06-02_2	Climate	Climate	CL-06-02		1	Conversion of TRMM Product into GIS format	4/30/2008	Steve Neeck	steven.neeck@nasa.gov	NASA	NASA		CEOS-GEO Worktable Questionnaire_WE-06-02 PC.doc	
CL-06-02_3	Climate	Climate, Weather, Water	CL-06-02	WE-06-02 WA-07-02	1	Proceed with planning both in the U.S. and Europe for the development and use of a wide-swath altimetry demonstration mission – e.g., the Surface Water Ocean Topography (SWOT) mission – with a target launch in 2016; ensure the availability of adequate ground data system capabilities to take advantage of these new technologies	9/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NASA	NASA, CNES, ESA		WE-06-02 Questionnaire 22feb08.doc	Requires SIT reinforcement.
CL-06-02_4	Climate	Climate	CL-06-02		1	Greenhouse Gas products (CO2, CO, CH4) from AIRS and IASI. Products are currently available from AIRS via request and operational IASI products will be available from NOAA on or about April 2008.	9/30/2008	Barnet	chris.barnet@noaa.gov	NOAA	NOAA, NASA, EUMETSAT,CNES		CEOS-GEO_CL-06-02_Questionnaire_Barnet.doc	No additional resources are required.
CL-06-02_5	Climate	Climate	CL-06-02		1	SIT discussion with NPOESS Program Scientist to mitigate CrIS degraded CO products	9/30/2008	Barnet	chris.barnet@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Barnet.doc	No additional resources are required.
CL-06-02_6	Climate	Climate	CL-06-02		1	Report on Phase 0 studies on potential future climate sensors	9/30/2008	Renaut	didier.renaut@cnes.fr	CNES	CNES		CEOS-GEO_CL-06-02_Questionnaire_CNES.doc	No additional resources are required.
CL-06-02_7	Climate	Climate	CL-06-02		1	Report on current and future JAXA space-based climate observation missions	9/30/2008	K. Imaoka	imaoka.keiji@jaxa.jp	JAXA	JAXA		CEOS-GEO CL-06-02 Questionnaire JAXA.doc	No additional resources are required.
CL-06-02_8	Climate	Climate	CL-06-02		1	Free and open exchange of MOBY for ocean color vicarious calibration	9/30/2008	DiGiacomo	paul.digiacom@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_DiGiacomo.doc	No additional resources are required.
CL-06-02_9	Climate	Climate, Weather, Disasters	CL-06-02	WE-06-02 DI-06-07	1	Secure funding for and proceed to implement Jason-3 for launch in late 2012/early 2013; to have at least a 6-month overlay with Jason-2 (EUMETSAT & NOAA to confirm support via Letters of Intent, with program approval and signed agreements).	6/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NOAA	NOAA, EUMETSAT, CNES, ESA, EC	OST	WE-06-02 Questionnaire 22feb08.doc	SIT support required to meet deadline. Agencies need to agree on funding approach.
CL-06-02_10	Climate	Climate, Weather	CL-06-02	WE-06-02	1	Implementation of routine GSICS LEO to GEO intercalibration.	9/30/2008	Goldberg	Mitch.Goldberg@noaa.gov	NOAA	NOAA, WMO, EUMETSAT, NASA, CMA, JMA, KMA, NIST, CNES		<not specified>	No additional resources are required.
CL-06-02_11	Climate	Climate	CL-06-02		1	Global datasets and their accessibility for GlobCarbon (faPAR, LAI, vegetation growth cycle, fire), GlobCoulour (ten year global ocean colour dataset), GlobGlacier (glacier monitoring), Medspiration (European contribution to GODAE SST) Long-term sea surface elevation records from ERS-1/2 and Envisat.	9/30/2008	Herland	Einar-Arne.Herland@esa.int	ESA	ESA		CEOS-GEO Worktable Questionnaire 1.8.08 ESA CL-06-02.doc	No additional resources are required.

Category 1 Actions

CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
CL-06-02_12	Climate	Climate, Weather, Disasters	CL-06-02	WE-06-02 DI-06-07	1	Status report on June 2008 Jason-2 Launch	6/30/2008	Renaut	didier.renaut@cnes.fr	CNES	CNES	OST	WE-06-02 Questionnaire 22feb08.doc	
CL-06-02_13	Climate	Climate	CL-06-02		1	Conduct an ACC / Climate Workshop to develop requirements and long-term plans for supporting the measurement and long-term trending of atmospheric Essential Climate Variables (ECV).	12/1/2008	Ernest Hilsenrath	ernest.hilsenrath@nasa.gov	NASA	NASA, NOAA, ESA, CSA, GEO ADC	ACC, WGCV, WGISS	GEO-CL ACC.doc	No additional resources are required. Due date of 12/1/2008 will produce a draft plan.
CL-06-02_14	Climate	Climate	CL-06-02		1	WGISS IDN TT iterate with Climate SBA (Lead, Mitch Goldberg) to demonstrate climate data records showing long-term trends and variability information for societal benefit on CEOS IDN Portal providing access to ECVs. Candidate drill-throughs include e.g PATMOSX.	9/15/2008	Lola Olsen	Lola.M.Olsen@nasa.gov	NASA	NOAA, NASA	WGISS	CEOS-GEO_CL-06-02_Questionnaire_Heidinger.doc	Additional resources may be required.
CL-06-05_1	Climate	Climate	CL-06-05		1	Generate polar products in real-time at direct broadcast sites in Arctic and Antarctic in support of IPY.	9/30/2008	Key	jeff.key@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-05_Questionnaire_Key.Colon.doc	Additional resources are required.
CL-06-05_2	Climate	Climate	CL-06-05		1	Generate and make accessible to Antarctic mosaic dataset of ALOS PALSAR	3/31/2008	M. Shimada	shimada.masanobu@jaxa.jp	JAXA	JAXA		<not specified>	
CL-07-01_1	Climate	Climate	CL-07-01		1	Report on monthly results of three month prediction of precipitation and temperature anomalies (South America and SH) at www.cptec.inpe.br/prevnum	9/30/2008	Cavalcanti		INPE	INPE		CEOS-GEO Worktable Questionnaire_WE-06-02 PC.doc	No additional resources are required.
DI-06-03_1	Disaster	Disaster	DI-06-03	DI-06-09	1	Develop an action plan for the improved integration of InSAR (Interferometric Synthetic Aperture Radar) technology for disaster warning and prediction	9/15/2008	Marc Paganini	marc.paganini@esa.int	ESA	NASA, ESA, JAXA, USGS	WGCV	GEO Task DI-06-03 Integration of INSAR Technology	No additional resources are required.
DI-06-08_1	Disaster	Disaster, Transverse	DI-06-08	DA-07-03	1	Establish link between the Disaster SBA team and the virtual constellations	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, WMO, USGS	ACC, LSI, OST, PC	Qu Resp DI-06-08.doc	
DI-06-09_1	Disaster	Disaster	DI-06-09	DI-06-04 DI-06-07 DI-06-08 DI-06-13 DI-07-01	1	Develop requirements for a virtual constellation for risk management from UN-SPIDER users requirements inputs and others disaster related tasks and propose an gradual implementation plan based on existing and planned satellites.	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA	LSI	CEOS-GEO Worktable Questionnaire - LSI DI-06-08.doc	No additional resources are required.
DI-06-09_2	Disaster	Disaster	DI-06-09		1	Improve access to disaster charter data.	9/15/2008	Philippe Bally	philippe.bally@esa.int	ESA	NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Additional resources will be required (from within CEOS/Charter member states, on a voluntary basis) to train new Authorised Users (disaster/civil security agencies) from GEO Member States.
DI-06-09_3	Disaster	Disaster	DI-06-09	DI-06-13 DI-07-01	1	Promote demonstration of the four phases of disaster management. (mitigation, warning, response & recovery)	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Need to identify appropriate user organisations to support demonstrations.
DI-06-13_1	Disaster	Disaster	DI-06-13	DI-06-08 DI-06-09	1	Present case to the SIT for better access to data for fire monitoring. • Request near real-time access to future geostationary satellite data (INSAT-3D, Russian GOMS Elektro L MSU-GS, Korean COMS). • For all geostationary satellites with fire monitoring capabilities , request access to detailed information on data pre-processing chains, ongoing calibration of the 3.9 and 11 micron bands at higher temperatures, characterization of noise levels at higher temperatures. • Request access to 3.9 and 11 micron data that has not been filtered or smoothed.	9/15/2008	Elaine Prins and Chris Schmidt	chris.schmidt@ssec.wisc.edu, elaine.prins@ssec.wisc.edu	NOAA	NOAA, GISTDA, JAXA, WMO	LSI	CEOS-GEO_DI-06-13_Questionnaire_CIMSS.doc	Could be considered as a pilot project under DI-06-08. No additional resources.
EC-06-01_1	Ecosystems	Ecosystems	EC-06-01		1	Installation of additional flux towers in areas covered by SAEON nodes thus expanding the CarboAfrica flux station network.	10/1/2008	Bob Scholes		CSIR	NASA, SAEON		EC-06-01.doc	
EC-06-02_1	Ecosystems	Ecosystems	EC-06-02		1	Operationalise CBERS-2B reception at CSIR facility. Therafter develop image mosaics of Southern Africa.	9/30/2008	Alex Fortescue	afort@csir.co.za	CSIR	INPE, CRESDA, EUMETSAT		EC-06-02.doc	This action is part of the CEOS Chair 2008 special theme project.
EC-07-01_1	Ecosystems	Ecosystems, Agriculture, Transverse	EC-07-01	AG-06-04 DA-07-02	1	ESA to release GlobCover data.	3/10/2008	Olivier Arino	Olivier.Arino@esa.int	ESA	NASA, SAEON, ESA		EC-07-01.doc	
HE-06-03_1	Health	Health, Disaster, Climate, Energy, Ecosystems, Transverse	HE-06-03	DI-06-09	1	Complete an Atmospheric Composition Constellation (ACC) requirements and gap analysis.	6/30/2008	Ernest Hilsenrath	ernest.hilsenrath@nasa.gov	NASA	NASA, RAL	ACC, SEO	GEO-HE ACC-1.doc GEO-HE ACC-2.doc GEO-DI ACC-3-Cza.doc	No additional resources are required.
AR-07-02_1	Transverse	Transverse	AR-07-02	DA-07-04	1	Collaborate, assist and develop a contribution to the implementation of the Sensor Interoperability Session in the next iteration of the Architecture Implementation Pilot.	9/30/2008	Terence van Zyl	tvzyl@csir.co.za	CSIR	CSIR, NASA, JAXA	WGISS	CEOS-GEO Worktable Questionnaire DA-07-04.doc CEOS-GEO Worktable Questionnaire AR-07-02.doc CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0604_AR0702b.doc	Additional resources may be required.
AR-07-02_2	Transverse	Transverse	AR-07-02	DA-06-04	1	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).	10/1/2008	Satoko Miura	miura.satoko@jaxa.jp	JAXA	JAXA	WGISS	CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0604_AR0702b.doc	Additional resources may be required. <request for additional resources removed following mail from Chu Ishida, 11 Mar 08>

Category 1 Actions

CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
DA-06-02_1	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Dome C Experiment:</b> 1) Conduct a joint experiment using the Dome C site for cross comparison and evaluate its uncertainty and suitability for climate quality calibration. 2) Develop the theoretical basis and standard procedure for cross comparison. 3) Present results at the IGARSS and put on the cal/val portal	10/1/2008	C. Cao/P. Henry/J. Xiong	Changyong.Cao@noaa.gov	NOAA	NOAA, NASA, CNES, ESA, USGS	WGCV-IVOS, WGCV-MS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources may be required for new participating agencies.
DA-06-02_2	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Data QA Framework and Guidelines:</b> 1) Develop and deliver a consensus documentary framework and guidelines on cal/val for data quality control/assurance and best practices; 2) Develop a consolidated worldwide cal/val site database to be included in the CEOS cal/val portal. 3) Further expand the cal/val portal in both content and functionality	10/1/2008	P. Lecomte	Pascal.Lecomte@esa.int	ESA	ESA, USGS, NASA, BNSC/NPL, NOAA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources required for the cal/val portal development from ESA.
DA-06-02_3	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	Hold the 2nd <b>GEO-CEOS Workshop</b> on cal/val to continue developing the framework and guidelines for data quality assurance.	10/1/2008	P. Lecomte	Pascal.Lecomte@esa.int	ESA	ESA, NIST, NOAA, all WGCV members	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	No additional resources are required (except meeting fees needs to be resolved). Space agencies are encouraged to participate in the workshop.
DA-07-01_3	Transverse	Transverse	DA-07-01		1	<b>Global DEM interoperability:</b> 1) Submit draft Guidelines on "Global DEM interoperability (GDI)". 2) Request NASA provide details on global validation Web Processing Service based on NASA-GSFC ICESAT/GLAS. 2) Request JAXA to provide list of <b>validated</b> ALOS-PRISM DEMs for regions in Africa, Asia, South America, Antarctica for future test sites. 3) Recommendation to CEOS Plenary to invite CNES/SPOT, DLR and ESA to contribute DEM height pixels to Global DEM. 4) Develop plan with USGS for validation of global ASTER DEM in association with NASA and JAXA. 5) Hold workshop on "Practical aspects of GDI" in Beijing, 7/08.	12/30/2008	Jan Peter Muller	jpm@mssl.ucl.ac.uk	BNSC/UCL	WGCV/TM, JAXA, ESA, NASA, CNES, USGS	WGCV/TM	CEOS-GEO Worktable Questionnaire_DA0701_wgcv.doc	Requires continued support from BNSC (possibly also ESA and NASA) for further progress for this task. Also requires CEOS/SIT to facilitate the data access.
DA-07-03_1	Transverse	Transverse	DA-07-03		1	Complete the first intercomparison study undertaken by the Precipitation Measurement Missions (PMM) Science Team intercalibration working group in coordination with the CGMS/GSICS. This action is to completed by August 2008. This action is an important step in establishing how PC data should be intercalibrated at antenna and brightness temperature stage. It also examines the issues involved in using a reference satellite as part of the intercalibration.	8/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_2	Transverse	Transverse	DA-07-03		1	Coordinate international ground validation (GV) activities and establish the scope of joint GV projects during the year. An international GV meeting will be held in Brazil during March 2008. Action ensures coordinated activities to support GPM pre-launch algorithm development at the national and international levels. Action is also part of the effort for determining error characteristics of satellite precipitation products.	3/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_5	Transverse	Transverse, Agriculture	DA-07-03	AG-06-01 AG-06-02 AG-06-04 AG-07-02 AG-07-03	1	In support of the Land Surface Imaging (LSI) Constellation, provide a demonstration of prototype of an LSI Constellation Portal	9/1/2008	Lyndon Oleson	oleson@usgs.gov	USGS	USGS, GISTDA, CRESDA, ISRO, NASA, NOAA	WGISS, LSI	CEOS-GEO Questionnaire DA -07-03.doc	
DA-07-03_6	Transverse	Transverse	DA-07-03		1	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.	6/1/2008	Steven Neeck	steven.neeck@nasa.gov	NASA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_11	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Define new objectives for 2008 that likewise will help users of LSI data expand and enhance the application of LSI satellite data to the benefit of society in many important and wide-ranging research and practical endeavors.	3/31/2008	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03
DA-07-03_12	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Complete the definition of standards for future mid-resolution LSI satellite systems to produce information products that benefit several SBA areas.	9/30/2008	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03

Category 1 Actions

CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
DA-07-03_13	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Complete agreements among operators of mid-resolution LSI satellite systems to cooperate in improving user access to data, including sample data sets; enhancing timely acquisition of global datasets, including routine acquisition over defined calibration, environmentally sensitive, and other agreed upon sites; and implementing common data processing parameters, standard data formats, and common map projections.	9/30/2009	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03
WA-06-07_1	Water	Water	WA-06-07		1	Develop and reliese a web based GIS, named SIGMA, and a desktop applocation to handle products and data received by the GEONETCast (SKGMACast)	8/31/2008	Carlos Frederico Angelis		INPE	NOAA, EUMETSAT, CONAE, INPE, WMO	PC	Questionnaire WA-06-07_INPE.doc	No additional resources are required.
WA-06-07_2	Water	Water	WA-06-07		1	Preparation of the TIGER activities for 2008-2010 in collaboration with CEOS and African partners	10/1/2008	Diego Fernandez Prieto	Diego.Fernandez@esa.int	ESA	ESA, UNESCO, CSA and CSIR.	LSI	CEOS-GEO Worktable Questionnaire 1.8.08.doc	No additional resources are required.
WA-06-07_3	Water	Water	WA-06-07		1	Support two AWCI (Asian Water Cycle Initiative) Int'l Coordination Group (ICG) meetings in April and September	9/30/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, AWCI, IGWCO, WCRP, WMO.		Questionnaire_JAXA_WA0607.doc	No additional resources are required.
WA-06-07_9	Water	Water	WA-06-07		1	Hold the International Hydrometeorology Analysis and Forecasting Course inviting hydroforecasters from the world	9/30/2008	Curt Barrett		NOAA	WMO, UCAR/COMET		<not specified>	
WA-07-01_1	Water	Water	WA-07-01		1	Support two AWCI (Asian Water Cycle Initiative) Int'l Coordination Group (ICG) meetings in April and September	9/30/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, AWCI, IGWCO, WCRP, WMO.	WGEdu	Questionnaire_JAXA_WA0701.doc	No additional resources are required.
WA-07-01_2	Water	Water	WA-07-01	WA-08-01	1	Release final version the WTF-CEOP JAXA Prototype system	3/31/2008	S.Miura	miura.satoko@jaxa.jp	JAXA	JAXA		CEOS-GEO Worktable Questionnaire 1.8.08_miura.doc	Additional resources may be required
WA-08-P1_1	Water	Water	WA-08-P1		1	Support the IGWCO planning meeting in March 2008	3/31/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, IGWCO , WCRP, WMO	PC	Questionnaire_JAXA_WA08P1.doc	No additional resources are required.
WE-06-02_1	Weather	Weather, Climate	WE-06-02	CL-06-02	1	Communicate to CEOS agencies the WMO Vision for the Space-based component of the Global Observing System NOTE: The draft vision was communicated to CGMS Members through CGMS-35-WMO-WP-06 . The same document could be made available to CEOS.	3/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO			CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-06-02_2	Weather	Weather, Climate	WE-06-02	CL-06-02	1	CEOS SIT and CEOS Agencies to review the WMO vision for the Space-based component of the Global Observing System and identify how CEOS Constellations and individual CEOS agencies' plans will contribute to the realisation of this vision	7/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO	SIT, CEOS Agencies	OST, PC	CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-07-01_1	Weather	Weather	WE-07-01		1	Demonstrate the impacts of MetOp-A IASI on the global medium range forecasts	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_2	Weather	Weather	WE-07-01		1	JCSDA will demonstrate the uses of cloudy radiances from microwave instruments in NCEP GFS systems	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_3	Weather	Weather	WE-07-01		1	Complete assessment of requirements needed to perform an Observing System Simulation Experiment (OSSE) to compare operational benefits of the various ROS constellation options identified in June 2007 at the WMO Workshop on the Re-design and Optimization	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No funding is needed to assess the requirements (UPDATED following e-mail from Rob Husband, 9 & 10 March 2008)
WE-07-01_4	Weather	Weather	WE-07-01		1	The JCSDA partners: NRL, AFWA and NCEP will begin assimilation of Windsat wind vectors in their forecast systems	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_6	Weather	Weather	WE-07-01		1	Develop and test several major radiative transfer components in NCEP global forecast system (GFS) and mesoscale research and forecast system (WRF) with a deliverable of CRTM version 2 which include Zeeman splitting, trace gas, and historical instruments	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.



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CL-06-01_3	Climate	Climate	CL-06-01		1	Extend long-term time series of AVHRR (clouds, aerosols, surface temperature, vegetation index) and SSML (total precipitable water and rain rates) to June 2008.	9/30/2008	Goldberg, Heidinger, Ferraro	Mitch.Goldberg@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Heidinger CEOS-GEO_CL-06-03_Questionnaire_Ferraro	Current funding adequate, future funding resources required if action needs to be extended beyond Sep. 2008 with data sets after June 2008
CL-06-02_1	Climate	Climate, Transverse	CL-06-02	DA-06-02	1	<b>Measurement consistency for 1-5 km sensors:</b> 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.	10/1/2008	J. Xiong, C. Cao, A. Trishchenko	Changyong.Cao@noaa.gov	NASA	NASA, ESA, NOAA, CSA/CCRS, USGS, CMA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Resources for 2009 required from NASA, NOAA, and USGS. Resources from CCRS and CMA have been partially identified.
CL-06-02_3	Climate	Climate, Weather, Water	CL-06-02	WE-06-02 WA-07-02	1	Proceed with planning both in the U.S. and Europe for the development and use of a wide-swath altimetry demonstration mission – e.g., the Surface Water Ocean Topography (SWOT) mission – with a target launch in 2016; ensure the availability of adequate ground data system capabilities to take advantage of these new technologies	9/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NASA	NASA, CNES, ESA		WE-06-02 Questionnaire 22feb08.doc	Requires SIT reinforcement.
CL-06-02_9	Climate	Climate, Weather, Disasters	CL-06-02	WE-06-02 DI-06-07	1	Secure funding for and proceed to implement Jason-3 for launch in late 2012/early 2013; to have at least a 6-month overlay with Jason-2 (EUMETSAT & NOAA to confirm support via Letters of Intent, with program approval and signed agreements).	6/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NOAA	NOAA, EUMETSAT, CNES, ESA, EC	OST	WE-06-02 Questionnaire 22feb08.doc	SIT support required to meet deadline. Agencies need to agree on funding approach.
CL-06-02_14	Climate	Climate	CL-06-02		1	WGISS IDN TT iterate with Climate SBA (Lead, Mitch Goldberg) to demonstrate climate data records showing long-term trends and variability information for societal benefit on CEOS IDN Portal providing access to ECVs. Candidate drill-throughs include e.g PATMOSX.	9/15/2008	Lola Olsen	Lola.M.Olsen@nasa.gov	NASA	NOAA, NASA	WGISS	CEOS-GEO_CL-06-02_Questionnaire_Heidinger.doc	Additional resources may be required.
CL-06-05_1	Climate	Climate	CL-06-05		1	Generate of polar products in real-time at direct broadcast sites in Arctic and Antarctic in support of IPY.	9/30/2008	Key	jeff.key@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-05_Questionnaire_Key.Colon.doc	Additional resources are required.
DI-06-09_2	Disaster	Disaster	DI-06-09		1	Improve access to disaster charter data.	9/15/2008	Philippe Bally	philippe.bally@esa.int	ESA	NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Additional resources will be required (from within CEOS/Charter member states, on a voluntary basis) to train new Authorised Users (disaster/civil security agencies) from GEO Member States.
DI-06-09_3	Disaster	Disaster	DI-06-09	DI-06-13 DI-07-01	1	Promote demonstration of the four phases of disaster management. (mitigation, warning, response & recovery)	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Need to identify appropriate user organisations to support demonstrations.
AR-07-02_1	Transverse	Transverse	AR-07-02	DA-07-04	1	Collaborate, assist and develop a contribution to the implementation of the Sensor Interoperability Session in the next iteration of the Architecture Implementation Pilot.	12/31/2008	Terence van Zyl	tvzyl@csir.co.za	CSIR	CSIR, NASA, JAXA	WGISS	CEOS-GEO Worktable Questionnaire DA-07-04.doc CEOS-GEO Worktable Questionnaire AR-07-02.doc CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0604_AR0702b.doc	Additional resources may be required.
DA-06-02_1	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Dome C Experiment:</b> 1) Conduct a joint experiment using the Dome C site for cross comparison and evaluate its uncertainty and suitability for climate quality calibration. 2) Develop the theoretical basis and standard procedure for cross comparison. 3) Present results at the IGARSS and put on the cal/val portal	10/1/2008	C. Cao/P. Henry/J. Xiong	Changyong.Cao@noaa.gov	NOAA	NOAA, NASA, CNES, ESA, USGS	WGCV-IVOS, WGCV-MS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources may be required for new participating agencies.
DA-06-02_2	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Data QA Framework and Guidelines:</b> 1) Develop and deliver a consensus documentary framework and guidelines on cal/val for data quality control/assurance and best practices; 2) Develop a consolidated worldwide cal/val site database to be included in the CEOS cal/val portal. 3) Further expand the cal/val portal in both content and functionality	10/1/2008	P. Lecomte	Pascal.Lecomte@esa.int	ESA	ESA, USGS, NASA, BNSC/NPL, NOAA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources required for the cal/val portal development from ESA.
DA-06-02_5	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	2	<b>Benchmark mission coordination:</b> 1) NASA to initiate dialogue with UK/ESA relating to collaboration and coordination of the benchmark measurement/calibration missions (TRUTHS and CLARREO). 2) Subject to resourcing an optimisation study will be carried out to define operational and detailed mission/instrument specifications of TRUTHS to establish "strawman" requirements as a basis for identification and collaboration of other CEOS space agencies.	12/30/2008	Nigel Fox	nigel.fox@npl.co.uk	BNSC/NPL	BNSC/NPL, ESA, NASA	WGCV/IVOS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources (50-100 K GBP for 2008) required from BNSC/ESA for the TRUTHS prototyping.
DA-06-02_6	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	2	<b>Ground based cal/val campaign:</b> Obtain support and resources to complement those of ESA to initiate and plan an international cross-comparison of ground Calval support techniques and instrumentation for both IR emitted radiance (SST) (spring 09) and VIS/SWIR reflected radiance (Land) (summer 10).	4/1/2009	Nigel Fox	nigel.fox@npl.co.uk	BNSC/NPL	BNSC/NPL, USGS, NOAA, ESA, NASA	WGCV/IVOS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Resource required for 2009 from all participating agencies. CEOS/SIT to solicit support from all space agencies.
DA-07-01_3	Transverse	Transverse	DA-07-01		1	<b>Global DEM interoperability:</b> 1) Submit draft Guidelines on "Global DEM interoperability (GDI)". 2) Request NASA provide details on global validation Web Processing Service based on NASA-GSFC ICESAT/GLAS. 2) Request JAXA to provide list of <u>validated</u> ALOS-PRISM DEMs for regions in Africa, Asia, South America, Antarctica for future test sites. 3) Recommendation to CEOS Plenary to invite CNES/SPOT, DLR and ESA to contribute DEM height pixels to Global DEM. 4) Develop plan with USGS for validation of global ASTER DEM in association with NASA and JAXA. 5) Hold workshop on "Practical aspects of GDI" in Beijing, 7/08.	12/30/2008	Jan Peter Muller	jpm@mssl.ucl.ac.uk	BNSC/UCL	WGCV/TM, JAXA, ESA, NASA, CNES, USGS	WGCV/TM	CEOS-GEO Worktable Questionnaire_DA0701_wgcv.doc	Requires continued support from BNSC (possibly also ESA and NASA) for further progress for this task. Also requires CEOS/SIT to facilitate the data access.
WA-07-01_2	Water	Water	WA-07-01	WA-08-01	1	Release final version the WTF-CEOP JAXA Prototype system	3/31/2008	S.Miura	miura.satoko@jaxa.jp	JAXA	JAXA		CEOS-GEO Worktable Questionnaire 1.8.08_miura.doc	Additional resources may be required

All Category Actions

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AG-06-01_1	Agriculture	Agriculture	AG-06-01		3	Notify GEO Task Team of the willingness of CEOS to participate in formulating the Agriculture SBA strategic plan, as needed.	3/31/2008	Cristina Ananasso		ISA	ISA		CEOS-GEO AG-06-01-Questionnaire.doc	I've sent an email to Cristina trying to confirm her participation
AG-06-02_1	Agriculture	Agriculture	AG-06-02	CL-06-02	3	CEOS participation in GEO Societal Applications in Fisheries & Aquaculture using Remote Sensing Imagery (SAFARI activity)	3/24/2008	TBD		TBD	NOAA, NASA, ISRO, ESA	LSI	CEOS-GEO AG-06-02-Questionnaire.doc	Also supports CEOS GCOS action T-1
AG-06-04_1	Agriculture	Agriculture	AG-06-04		3	Participate in Global Forest Resources Assessment 2010 (led by FAO), including contributing to methodology agreement.	4/30/2008	TBD		TBD	ESA, NOAA, NASA, USGS, WGCV	LSI	CEOS-GEO AG-06-04-Questionnaire.doc	Also supports CEOS GCOS actions T-1 and T-3
AG-06-04_2	Agriculture	Agriculture	AG-06-04	DA-07-03 AG-07-03	1	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.  Compile mid-resolution LSI data sets over selected (TBD) area.	12/31/2009	Bryan Bailey	gbbailey@usgs.gov	USGS	TBD	LSI	<no questionnaire provided>	This was determined as an action at the February LSI constellations meeting in Sanya  <b>Data sets may be selected over forested and agricultural areas (e-mail from Brad Reed, 07 Mar 2008, reporting discussion with Bryan Bailey)</b>  <b>Should we include INPE's PRODES project monitor</b>
AG-06-04_3	Agriculture	Agriculture	AG-06-04		1	Generate and make accessible to global scale forest mapping data sets	9/30/2008	M. Shimada	shimada.masanobu@jaxa.jp	JAXA	JAXA		<no questionnaire provided>	
AG-06-07_1	Agriculture	Agriculture	AG-06-07		2	Preparation and delivery of training resources for GEO CBC activities. This is dependent on development of GEO portal and GEO NETcast services	3/1/2009	Gordon Bridge	Gordon.Bridge@eumetsat.int	EUMETSAT	EUMETSAT, China, ISRO	WGEdu	CEOS-GEOQuestionnaire_AG-06-07.doc	Also supports CEOS GCOS action C-22
AG-07-01_1	Agriculture	Agriculture	AG-07-01		2	Continue research on developing of biomass products using GOES-R and other sensors.	10/1/2008	Shobha Kondragunta	Shobha.Kondragunta@noaa.gov	NOAA	NOAA, ISRO, GOCF GOLD		CEOS-GEO_AG-07-01_Questionnaire_Kondragunta.doc	Also supports CEOS GCOS action T-5
AG-07-01_2	Agriculture	Agriculture	AG-07-01		2	Continue research on use of SAR data for biomass estimation	Ongoing	M. Shimada	shimada.masanobu@jaxa.jp	JAXA	JAXA		<not specified>	
AG-07-02_1	Agriculture	Agriculture	AG-07-02		4	Continue support of early warning projects and drought monitoring	TBD	TBD		TBD	NASA, NOAA, USGS, ESA	LSI	CEOS-GEO AG-07-02-Questionnaire.doc	Am seeking possible actionable actions from ESA, NASA, and USGS  Also supports CEOS GCOS action T-3
AG-07-03_1	Agriculture	Agriculture	AG-07-03		2	Participate in IGOL workshop on cropped area	TBD	Brad Reed	reed@usgs.gov	USGS	USGS, IGOL, FAO	LSI	CEOS-GEO AG-07-03-Questionnaire.doc	Date of workshop has not been established.  Also supports CEOS GCOS action T-1, T-2, T-3 and T-5
AG-07-03_2	Agriculture	Agriculture	AG-07-03		4	Maintain direct broadcast capability of AVHRR, MODIS, and VIIRS	TBD	TBD		TBD	NASA, NOAA	LSI	<not specified>	Also supports CEOS GCOS action T-1, T-2, T-3 and T-5
CL-06-01_1	Climate	Climate	CL-06-01		1	Characterize <b>historical HIRS</b> instrument spectral response effects on HIRS intersatellite bias using IASI and AIRS	9/30/2008	Changyong Cao	Changyong.Cao@noaa.gov	NOAA	NOAA, NASA, CNES, EUMETSAT, GSICS	WGCV	CEOS-GEO Worktable Questionnaire_CL0601_wgcv.doc	No additional resources are required.
CL-06-01_2	Climate	Climate	CL-06-01		1	Four year extension of SBUV/2 Ozone climate data record	9/30/2008	Flynn	Lawrence.E.Flynn@noaa.gov	NOAA	NOAA,NASA	ACC	CEOS-GEO_CL-06-01_CL-06-02_Questionnaire_Flynn.doc	No additional resources are required.
CL-06-01_3	Climate	Climate	CL-06-01		1	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.	9/30/2008	Goldberg, Heidinger, Ferraro	Mitch.Goldberg@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Heidinger CEOS-GEO_CL-06-03_Questionnaire_Ferraro	Current funding adequate, future funding resources required if action needs to be extended beyond Sep. 2008 with data sets after June 2008
CL-06-01_4	Climate	Climate	CL-06-01		2	Reprocessed altimetry (Radar Altimeter 2) and atmospheric chemistry products (Schiamachy, GOMOS and MIPAS) from ENVISAT	6/30/2009	Herland	Einar-Arne.Herland@esa.int	ESA	ESA		CEOS-GEO Worktable Questionnaire 1.8.08 ESA CL-06-01.doc	No additional resources are required.
CL-06-01_5	Climate	Climate	CL-06-01		2	Recalibrate of Meteosat First Generation Archive	9/30/2008	Schueller	Lothar.schueller@eumetsat.int	EUMETSAT	EUMETSAT		CEOS-GEO_CL-06-01_Questionnaire_EUM.doc	No additional resources are required.
CL-06-01_6	Climate	Climate	CL-06-01		2	Reprocess surface radiation product of MVIRI (1983-2004) for Meteosat at 0 degree service	9/30/2008	Schueller	Lothar.schueller@eumetsat.int	EUMETSAT	EUMETSAT		CEOS-GEO_CL-06-01_Questionnaire_EUM.doc	No additional resources are required.
CL-06-01_7	Climate	Climate	CL-06-01		1	Reanalyzed global sea ice data (1978-2005)	9/30/2008	Schueller	Lothar.schueller@eumetsat.int	EUMETSAT	EUMETSAT		CEOS-GEO_CL-06-01_Questionnaire_EUM.doc	No additional resources are required.
CL-06-01_8	Climate	Climate	CL-06-01		1	Develop SSU radiative transfer model for reanalysis.	9/30/2008	Zou	Cheng-Zhi.Zou@noaa.gov	NOAA	NOAA, ECMWF		CEOS-GEO_CL-06-01_Questionnaire_Zou.doc	No additional resources are required.
CL-06-01_9	Climate	Climate, Health, Disasters, Transverse	CL-06-01		1	Reprocess SCIAMACHY products	9/30/2008	Thomas Trautmann	thomas.trautmann@dlr.de	DLR	DLR, ESA	ACC	CEOS-GEO_CL-06-01_Questionnaire_DLR.doc	No additional resources are required.
CL-06-01_10	Climate	Climate	CL-06-01		2	50% completion of NASA MERRA Reanalysis (1979-present)	12/31/2008	Reinecker	Michele.Rienecker@nasa.gov	NASA	NASA		CEOS-GEO Worktable GMAO	No additional resources are required.



All Category Actions														
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CL-06-01_11	Climate	Climate	CL-06-01		2	Workshop on development of AVHRR CDRS (Need coordination between different groups of AVHRR calibration, navigation and product experts towards building consensus algorithms)	11/15/2008	Goldberg, Heidinger	Mitch.Goldberg@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Heidinger.doc	
CL-06-02_1	Climate	Climate, Transverse	CL-06-02	DA-06-02	1	<b>Measurement consistency for 1-5 km sensors:</b> 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.	10/1/2008	J. Xiong, C. Cao, A. Trishchenko	Changyong.Cao@noaa.gov	NASA	NASA, ESA, NOAA, CSA/CCRS, USGS, CMA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Resources for 2009 required from NASA, NOAA, and USGS. Resources from CCRS and CMA have been partially identified.
CL-06-02_2	Climate	Climate	CL-06-02		1	Conversion of TRMM Product into GIS format	4/30/2008	Steve Neeck	steven.neeck@nasa.gov	NASA	NASA		CEOS-GEO Worktable Questionnaire_WE-06-02_PC.doc	
CL-06-02_3	Climate	Climate, Weather, Water	CL-06-02	WE-06-02 WA-07-02	1	Proceed with planning both in the U.S. and Europe for the development and use of a wide-swath altimetry demonstration mission – e.g., the Surface Water Ocean Topography (SWOT) mission – with a target launch in 2016; ensure the availability of adequate ground data system capabilities to take advantage of these new technologies	9/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NASA	NASA, CNES, ESA		WE-06-02 Questionnaire 22feb08.doc	Requires SIT reinforcement.
CL-06-02_4	Climate	Climate	CL-06-02		1	Greenhouse Gas products (CO2, CO, CH4) from AIRS and IASI. Products are currently available from AIRS via request and operational IASI products will be available from NOAA on or about April 2008.	9/30/2008	Barnet	chris.barnet@noaa.gov	NOAA	NOAA, NASA, EUMETSAT, CNES		CEOS-GEO_CL-06-02_Questionnaire_Barnet.doc	No additional resources are required.
CL-06-02_5	Climate	Climate	CL-06-02		1	SIT discussion with NPOESS Program Scientist to mitigate CrIS degraded CO products	9/30/2008	Barnet	chris.barnet@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_Barnet.doc	No additional resources are required.
CL-06-02_6	Climate	Climate	CL-06-02		1	Report on Phase 0 studies on potential future climate sensors	9/30/2008	Renaut	didier.renaut@cnes.fr	CNES	CNES		CEOS-GEO_CL-06-02_Questionnaire_CNES.doc	No additional resources are required.
CL-06-02_7	Climate	Climate	CL-06-02		1	Report on current and future JAXA space-based climate observation missions	9/30/2008	K. Imaoka	imaoka.keiji@jaxa.jp	JAXA	JAXA		CEOS-GEO CL-06-02 Questionnaire JAXA.doc	No additional resources are required.
CL-06-02_8	Climate	Climate	CL-06-02		1	Free and open exchange of MOBY for ocean color vicarious calibration	9/30/2008	DiGiacomo	paul.digiaco@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-02_Questionnaire_DiGiacomo.doc	No additional resources are required.
CL-06-02_9	Climate	Climate, Weather, Disasters	CL-06-02	WE-06-02 DI-06-07	1	Secure funding for and proceed to implement Jason-3 for launch in late 2012/early 2013; to have at least a 6-month overlay with Jason-2 (EUMETSAT & NOAA to confirm support via Letters of Intent, with program approval and signed agreements).	6/30/2008	Stan Wilson	Stan.Wilson@noaa.gov	NOAA	NOAA, EUMETSAT, CNES, ESA, EC	OST	WE-06-02 Questionnaire 22feb08.doc	SIT support required to meet deadline. Agencies need to agree on funding approach.
CL-06-02_10	Climate	Climate, Weather	CL-06-02	WE-06-02	1	Implementation of routine GSICS LEO to GEO intercalibration.	9/30/2008	Goldberg	Mitch.Goldberg@noaa.gov	NOAA	NOAA, WMO, EUMETSAT, NASA, CMA, JMA, KMA, NIST, CNES		<not specified>	No additional resources are required.
CL-06-02_11	Climate	Climate	CL-06-02		1	Global datasets and their accessibility for GlobCarbon (faPAR, LAI, vegetation growth cycle, fire), GlobCoulour (ten year global ocean colour dataset), GlobGlacier (glacier monitoring), Medspiration (European contribution to GODAE SST) Long-term sea surface elevation records from ERS-1/2 and Envisat.	9/30/2008	Herland	Einar-Arne.Herland@esa.int	ESA	ESA		CEOS-GEO Worktable Questionnaire 1.8.08 ESA CL-06-02.doc	No additional resources are required.
CL-06-02_12	Climate	Climate, Weather, Disasters	CL-06-02	WE-06-02 DI-06-07	1	Status report on June 2008 Jason-2 Launch	6/30/2008	Renaut	didier.renaut@cnes.fr	CNES	CNES	OST	WE-06-02 Questionnaire 22feb08.doc	
CL-06-02_13	Climate	Climate	CL-06-02		1	Conduct an ACC / Climate Workshop to develop requirements and long-term plans for supporting the measurement and long-term trending of atmospheric Essential Climate Variables (ECV).	12/1/2008	Ernest Hilsenrath	ernest.hilsenrath@nasa.gov	NASA	NASA, NOAA, ESA, CSA, GEO ADC	ACC, WGCV, WGISS	GEO-CL ACC.doc	No additional resources are required. Due date of 12/1/2008 will produce a draft plan.
CL-06-02_14	Climate	Climate	CL-06-02		1	WGISS IDN TT iterate with Climate SBA (Lead, Mitch Goldberg) to demonstrate climate data records showing long-term trends and variability information for societal benefit on CEOS IDN Portal providing access to ECVs. Candidate drill-throughs include e.g PATMOSX.	9/15/2008	Lola Olsen	Lola.M.Olsen@nasa.gov	NASA	NOAA, NASA	WGISS	CEOS-GEO_CL-06-02_Questionnaire_Heidinger.doc	Additional resources may be required.
CL-06-02_16	Climate	Climate, Weather	CL-06-02	WE-06-02	2	Proceed with implementation of the following approved satellites: Cryosat-2 (launch in 2009), SARAL (2009), HY-2A (2009/2010 – CNES & SOA to finalize agreement to embark DORIS on HY-2A by Dec 2008), and Sentinel-3A (2012 – PDR in June 2008).	12/31/2009	Stan Wilson	Stan.Wilson@noaa.gov	NOAA	NOAA, ESA, CNES, ISRO, SOA		WE-06-02 Questionnaire 22feb08.doc	
CL-06-02_17	Climate	Climate	CL-06-02		2	Production of Merged TRMM Multi-satellite Precipitation Products	12/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA, JAXA	NASA, JAXA	PC	CEOS-GEO Worktable Questionnaire_WE-06-02_PC.doc	
CL-06-02_18	Climate	Climate	CL-06-02		2	Complete development of Calipso lidar simulator to improve climate models representation of clouds	6/30/2009	Renaut	didier.renaut@cnes.fr	CNES	CNES		CEOS-GEO_CL-06-02_Questionnaire_CNES.doc	No additional resources are required.
CL-06-02_19	Climate	Climate, Weather, Disaster	CL-06-02	WE-06-02 DI-06-07	2	Secure funding for and proceed in parallel to implement Jason-CS as Jason-4; to have at least a 9-12-month overlap with Jason-3 and pursue the option for Jason-CS/Jason-4 successors to constitute a new series	6/30/2009	Stan Wilson	Stan.Wilson@noaa.gov	NOAA	NOAA, EUMETSAT, CNES, ESA, EC		WE-06-02 Questionnaire 22feb08.doc	
CL-06-05_1	Climate	Climate	CL-06-05		1	Generate polar products in real-time at direct broadcast sites in Arctic and Antarctic in support of IPY.	9/30/2008	Key	jeff.key@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-05_Questionnaire_Key.Colon.doc	Additional resources are required.
CL-06-05_2	Climate	Climate	CL-06-05		1	Generate and make accessible to Antarctic mosaic dataset of ALOS PALSAR	3/31/2008	M. Shimada	shimada.masanobu@jaxa.jp	JAXA	JAXA		<not specified>	
CL-06-06_1	Climate	Climate	CL-06-06		3	MERIS ocean color processing for US coastal waters (progress and accessibility report)	9/30/2008	Digiaco	paul.digiaco@noaa.gov	NOAA	NOAA		CEOS-GEO_CL-06-06_Questionnaire_DiGiacomo.doc	
CL-07-01_1	Climate	Climate	CL-07-01		1	Report on monthly results of three month prediction of precipitation and temperature anomalies (South America and SH) at www.cptec.inpe.br/prevnum	9/30/2008	Cavalcanti		INPE	INPE		CEOS-GEO Worktable Questionnaire_WE-06-02_PC.doc	No additional resources are required.

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CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
DI-06-03_1	Disaster	Disaster	DI-06-03	DI-06-09	1	Develop an action plan for the improved integration of InSAR (Interferometric Synthetic Aperture Radar) technology for disaster warning and prediction	9/15/2008	Marc Paganini	marc.paganini@esa.int	ESA	NASA, ESA, JAXA, USGS	WGCV	GEO Task DI-06-03 Integration of INSAR Technology	No additional resources are required.
DI-06-04_1	Disaster	Disaster	DI-06-04	DI-06-08 DI-06-09	4	Provide a mechanism to make referenced products available to support Risk Assessment and Preparedness and damage assessment	3/15/2009	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		GEO Task DI-06-04 Tsunami early warning	
DI-06-07_1	Disaster	Disaster	DI-06-07	DI-06-08 DI-06-09	2	Contribute to development of a consensus implementation plan for multi-hazard zonation maps based upon or that incorporate satellite observation such as altimetry and surface imaging (optical and radar)	3/15/2009	Stan Wilson Bryan Bailey	stan.wilson@noaa.gov gbbailey@usgs.gov	NOAA USGS	ISRO, NOAA, USGS	LSI, OST	GEO Task: DI-06-07 Multi-hazard Zonation and Maps	
DI-06-08_1	Disaster	Disaster, Transverse	DI-06-08	DA-07-03	1	Establish link between the Disaster SBA team and the virtual constellations	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, WMO, USGS	ACC, LSI, OST, PC	Qu Resp DI-06-08.doc	
DI-06-08_2	Disaster	Disaster, Transverse	DI-06-08	AR-07-02	2	Demonstrate a global operational volcanic ash alert system for aviation hazard avoidance. Improved algorithms, improved data latency, and the addition of EUMETSAT/SEVERI data is planned.	6/30/2009	Claus Zehner	claus.zehner@esa.int	ESA	ESA, NASA, NOAA, EC, EUMETSAT, NILU, BIRA-IASB, KNMI, DLR	ACC	GEO-DI ACC-3-CZa.doc	<del>This action will also be supported by George Serafino (NOAA)</del>
DI-06-09_1	Disaster	Disaster	DI-06-09	DI-06-04 DI-06-07 DI-06-08 DI-06-13 DI-07-01	1	Develop requirements for a virtual constellation for risk management from UN-SPIDER users requirements inputs and others disaster related tasks and propose an gradual implementation plan based on existing and planned satellites.	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA	LSI	CEOS-GEO Worktable Questionnaire - LSI DI-06-08.doc	No additional resources are required.
DI-06-09_2	Disaster	Disaster	DI-06-09		1	Improve access to disaster charter data.	9/15/2008	Philippe Bally	philippe.bally@esa.int	ESA	NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Additional resources will be required (from within CEOS/Charter member states, on a voluntary basis) to train new Authorised Users (disaster/civil security agencies) from GEO Member States.
DI-06-09_3	Disaster	Disaster	DI-06-09	DI-06-13 DI-07-01	1	Promote demonstration of the four phases of disaster management. (mitigation, warning, response & recovery)	9/15/2008	Guy Seguin	guy.seguin@space.gc.ca	CSA	CSA, NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA		Qu Resp DI-06-09.doc	Need to identify appropriate user organisations to support demonstrations.
DI-06-09_4	Disaster	Disaster	DI-06-09		2	Provide access to CEOS member archives for disaster mitigation	3/15/2009	Craig Dobson	craig.dobson-1@nasa.gov	NASA	NASA, ESA, JAXA, NOAA, CNES, DLR, ASI, GISTDA	LSI	Qu Resp DI-06-09.doc	
DI-06-13_1	Disaster	Disaster	DI-06-13	DI-06-08 DI-06-09	1	Present case to the SIT for better access to data for fire monitoring. • Request near real-time access to future geostationary satellite data (INSAT-3D, Russian GOMS Elektro L MSU-GS, Korean COMS). • For all geostationary satellites with fire monitoring capabilities , request access to detailed information on data pre-processing chains, ongoing calibration of the 3.9 and 11 micron bands at higher temperatures, characterization of noise levels at higher temperatures. • Request access to 3.9 and 11 micron data that has not been filtered or smoothed.	9/15/2008	Elaine Prins and Chris Schmidt	chris.schmidt@ssec.wisc.edu, elaine.prins@ssec.wisc.edu	NOAA	NOAA, GISTDA, JAXA, WMO	LSI	CEOS-GEO_DI-06-13_Questionnaire_CIMSS.doc	Could be considered as a pilot project under DI-06-08. No additional resources.
EC-06-01_1	Ecosystems	Ecosystems	EC-06-01		1	Installation of additional flux towers in areas covered by SAEON nodes thus expanding the CarboAfrica flux station network.	10/1/2008	Bob Scholes		CSIR	NASA, SAEON		EC-06-01.doc	
EC-06-01_2	Ecosystems	Ecosystems	EC-06-01		3	Avail data from the 10 year GloCarbon project so that services to generate fully calibrated estimates of land products is possible.	6/30/2008	Olivier Arino	Olivier.Arino@esa.int	ESA	NASA, SAEON, ESA		EC-06-01.doc	Data from 7 years analysis is already available.
EC-06-01_3	Ecosystems	Ecosystems	EC-06-01		3	Conduct pre-launch cross-calibration between GOSAT data and OCO data.	10/1/2008	Ernest Hilsenrath	ernest.hilsenrath@nasa.gov	NASA	NASA, JAXA	ACC	GEO-EC ACC.doc	The OCO and GoSAT satellites have both not been launched as yet. ESA and CMA originally listed as participating organizations have been removed (mail from Chu Ishida, dated 11 Mar 08)
EC-06-02_1	Ecosystems	Ecosystems	EC-06-02		1	Operationalise CBERS-2B reception at CSIR facility. Therafter develop image mosaics of Southern Africa.	9/30/2008	Alex Fortescue	afort@csir.co.za	CSIR	INPE, CRESDA, EUMETSAT		EC-06-02.doc	This action is part of the CEOS Chair 2008 special theme project.
EC-06-02_2	Ecosystems	Ecosystems	EC-06-02		3	Organize a <b>workshop at CalTech</b> to discuss greenhouse gases determination, identify key targets for routine subsetting, ground cal/val data availability, interagency data sharing and satellite data sets for cal/val.	9/30/2008	B. Bojkov		WGCV	ESA, JAXA, NIES, NASA, WGCV/AC	ACC, WGCV-LPV	CEOS-GEO Worktable Questionnaire_EC0601_wgcv.doc	
EC-06-02_3	Ecosystems	Ecosystems	EC-06-02		3	Hold a <b>special session at WGCV29</b> to encourage coordinated development amongst roleplayers and provide framework for evaluating Global Land Cover products and maps.	9/30/2008	Frédéric Baret	baret@avignon.inra.fr	CNES/INRA	WGCV, NASA, ESA, GTOS	WGCV	CEOS-GEO Worktable Questionnaire_EC0602_wgcv.doc	Thank CNES and INRA for willingness to support WGCV29.
EC-06-07_1	Ecosystems	Ecosystems	EC-06-07		3	Contact Doug Muchoney from GEOSEC to identify an appropriate date and location to host a consultative workshop for further collaboration on Phenological Networks. Convene workshop to identify community interests, strategies and potential leads and contrib	6/30/2008	Kevin Gallo	kevin.p.gallo@noaa.gov	NOAA	NOAA, USGS, CSIR, ESA, NASA		EC-06-07.doc	Submitted questionnaire is not part of folder pack.
EC-07-01_1	Ecosystems	Ecosystems, Agriculture, Transverse	EC-07-01	AG-06-04 DA-07-02	1	ESA to release GlobCover data.	3/10/2008	Olivier Arino	Olivier.Arino@esa.int	ESA	NASA, SAEON, ESA		EC-07-01.doc	
EC-07-01_2	Ecosystems	Ecosystems	EC-07-01		4	Continue development and production of satellite products and it is expected that these tasks will continue through the life of the associated satellites (as per column P).	12/31/2008	Kevin Gallo	kevin.p.gallo@noaa.gov	NOAA	NOAA, NASA, ESA		EC-07-01.doc	Mid to course resolution satellite derived products are available such as: Vegetation condition and health, vegetaion index, No lead agency nor contact point identified.

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EC-07-01_3	Ecosystems	Ecosystems	EC-07-01		4	Conduct a Mid-Decadal Global Land Survey in part using the data from these satellites (as per column P).	12/31/2008	Kevin Gallo	kevin.p.gallo@noaa.gov	NOAA	NASA, USGS		EC-07-01.doc	The Tri-Decadal Global Landsat Orthorectified data is presently available. These data sets are generally available to the user community and may provide the tools for mapping/monitoring ecosystems on a global scale or providing greater spatial resolution to
EC-07-01_4	Ecosystems	Ecosystems	EC-07-01		4	Conduct long term monitoring of the brightness temperatures over Amazon rainforest.	12/1/2008	Tsan Mo		NOAA NESDIS			CEOS-GEO_EC-07-01_Questionnaire_Mo.doc	
EN-06-04_1	Energy	Energy	EN-06-04	EN-07-01 EN-07-02 EN-07-03	3	Work with the Atmospheric Composition (AC) Constellation team to investigate how future space-based atmospheric parameter measurements can support the needs of the Energy SBA.	9/30/2008	Richard Eckman	r.s.eckman@nasa.gov	NASA	NASA, ESA, DLR, IOC, USGS	ACC, SEO	CEOS-GEO Worktable EN-06-04 v1.1.doc GEO-EN ACC.doc	
EN-06-04_2	Energy	Energy	EN-06-04	EN-07-01 EN-07-02 EN-07-03	4	Complete an analysis (similar to that done by NASA in 2007) of spaceborne measurements, modeling assets, and decision support systems relevant to the energy community.	3/31/2009	Richard Eckman	r.s.eckman@nasa.gov	NASA	NRSCC, ISRO, JAXA, ROSHYDROMET, SAC, others as appropriate	SEO	CEOS-GEO Worktable EN-06-04 v1.1.doc	
EN-06-04_3	Energy	Energy	EN-06-04	EN-07-01 EN-07-02 EN-07-03	4	Organize and conduct a stakeholder engagement workshop (outside of US) in collaboration with the GEO Energy Community of Practice.	12/31/2008	Richard Eckman	r.s.eckman@nasa.gov	NASA	NASA, ESA, DLR, IOC, USGS		CEOS-GEO Worktable EN-06-04 v1.1.doc	
EN-07-02_1	Energy	Energy	EN-07-02	EN-07-01 EN-07-03	4	Investigate the utility of NASA OCO measurements of Carbon Dioxide (CO2) for Energy Environmental Impact Monitoring.	3/31/2009	Richard Eckman	r.s.eckman@nasa.gov	NASA	NASA		CEOS-GEO Worktable EN-06-04 v1.1.doc	
EN-07-03_1	Energy	Energy	EN-07-03		3	Meeting between Capacity Building Committee (CBC) and Energy SBA Team to enhance Education and Training aspects and enhance other CEOS agency participation.	9/30/2008	Marion Schroedter-Hornscheidt		DLR	DLR, EUMETSAT, NASA	CBC, WGEdu	CEOS-GEOQuestionnaire_EN-07-03.doc	
EN-07-03_3	Energy	Energy	EN-07-03		4	Connect solar energy databases for centralized content to support Energy Policy Planning in developing and developed countries.	11/1/2008	Marion Schroedter-Hornscheidt		DLR	DLR, EUMETSAT, NASA	CBC, WGEdu	CEOS-GEOQuestionnaire_EN-07-03.doc	
HE-06-03_1	Health	Health, Disaster, Climate, Energy, Ecosystems, Transverse	HE-06-03	DI-06-09	1	Complete an Atmospheric Composition Constellation (ACC) requirements and gap analysis.	6/30/2008	Ernest Hilsenrath	ernest.hilsenrath@nasa.gov	NASA	NASA, RAL	ACC, SEO	GEO-HE ACC-1.doc GEO-HE ACC-2.doc GEO-DI ACC-3-Cza.doc	No additional resources are required.
HE-06-03_2	Health	Health, Disaster, Transverse	HE-06-03	HE-07-01 HE-07-03 DI-06-09 AR-07-02	2	Demonstrate a global smoke plume and dust forecasting product (IDEA) using multiple satellites and trajectory models for air quality health hazards.	6/30/2009	Jack Fishman		NASA	NASA, NOAA, ESA, EC	ACC, WGISS, WGEdu	GEO-HE ACC-2.doc CEOS-GEO_DA-07-03_Questionnaire_r.bradley.pierce.doc	Combined with information from Brad Pierce response (IDEA).
HE-06-03_3	Health	Health	HE-06-03	HE-07-02 HE-07-03	2	Demonstrate the capability of combining NO2 data from Aura/OMI and Metop/GOME-2 to support US EPA and European emission inventories for improved air quality forecasting.	6/30/2009	Shobha Kondragunta	Shobha.Kondragunta@noaa.gov	NOAA	NOAA, NASA, Harvard University, KNMI, EUMETSAT, USEPA	ACC, WGCV	GEO-HE ACC-1.doc CEOS-GEO_HE-07-03_Questionnaire_Kondragunta.doc CEOS-GEO_HE-06-03_Questionnaire_Flynn.doc	
HE-06-03_4	Health	Health	HE-06-03	HE-07-01	2	Develop a plan to integrate in-situ vegetation health data to improve global Vegetation Health Index (VHI) products in affected countries.	12/30/2009	????		WHO	NOAA, NESDIS, STAR, WMO, WHO		CEOS-GEO_HE-06-03_HE-07-01_Questionnaire_Kogan.doc	
HE-06-03_5	Health	Health	HE-06-03		2	Develop long-term architecture plans among CEOS agencies to support the measurement of coastal water color (300-meter accuracy) and near-surface (<100-meters) pollutants, pollens and dust for the forecasting and monitoring of health hazards.	6/30/2009	Murielle Lafaye	murielle.lafaye@cnes.fr	CNES	GEO, CNES, UNOOSA, WHO, NASA	ACC, OST, SEO	CEOS-GEO Worktable Questionnaire_HE_06_03_Cnes.doc	There is a potential of a future Ocean Color Constellation for CEOS. This action needs to be coordinated with the AC and OST constellations, as well as the CEOS Systems Engineering Office (SEO) to develop a comprehensive architecture plan.
HE-06-03_6	Health	Health	HE-06-03	HE-07-01	2	Produce weekly 4-km global maps of Vegetation Health Index (VHI) for the international user community via the internet. These products are a proxy for vegetation health and vector borne diseases.	12/30/2008	Felix Kogan	Felix.Kogan@noaa.gov	NOAA	NOAA, NESDIS, STAR, WMO, WHO		CEOS-GEO_HE-06-03_HE-07-01_Questionnaire_Kogan.doc	
HE-07-01_1	Health	Health	HE-07-01	HE-07-02	2	Develop a long-term plan for efficient and economical access to critical space-based imagery to support modeling, forecasting and monitoring of health issues.	6/30/2009	Murielle Lafaye	murielle.lafaye@cnes.fr	CNES	GEO, CNES, UNOOSA, WHO, GMES	WGISS	CEOS-GEO Worktable Questionnaire_HE_07_01_Cnes.doc CEOS-GEO Worktable Questionnaire_HE_07_02_Cnes.doc	Health SBA to participate in Fall-08 WGISS meeting.
AR-07-01_1	Transverse	Transverse	AR-07-01		2	JAXA will continuously contribute to development and maintenance of the GEOSS guidance documents through ADC	ongoing	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA		CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_AR0701b.doc	Documents already available. Only minor updates are expected
AR-07-02_1	Transverse	Transverse	AR-07-02	DA-07-04	1	Collaborate, assist and develop a contribution to the implementation of the Sensor Interoperability Session in the next iteration of the Architecture Implementation Pilot.	9/30/2008	Terence van Zyl	tvzyl@csir.co.za	CSIR	CSIR, NASA, JAXA	WGISS	CEOS-GEO Worktable Questionnaire DA-07-04.doc CEOS-GEO Worktable Questionnaire AR-07-02.doc CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0604_AR0702b.doc	Additional resources may be required.
AR-07-02_2	Transverse	Transverse	AR-07-02	DA-06-04	1	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).	10/1/2008	Satoko Miura	miura.satoko@jaxa.jp	JAXA	JAXA	WGISS	CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0604_AR0702b.doc	<del>Additional resources may be required.</del> <request for additional resources removed following mail from Chu Ishida, 11 Mar 08>

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AR-07-04_1	Transverse	Transverse	AR-07-04	AG-07-02	3	AVHRR-based system, indices and data products (global assessment of vegetation health, vegetation and temperature conditions, drought, fire risk, land cover and climate-related vegetation tendencies) are used operationally and globally for early drought d	TBD	Felix Kogan		NOAA	NOAA		CEOS-GEO_AR-07-04_Questionnaire_Kogan.doc	
CB-06-04_1	Transverse	Transverse	CB-06-04		3	Investigate feasibility of a "training channel" within GEONETCast, and establishing a role for the GEO Portal in this regard. Another objective for 2008 will be trying to implement the CEOS WGEdu portal on a fully operational basis, so it can form a relia	3/1/2009	Gordon Bridge	Gordon.Bridge@eumetsat.int	EUMETSAT	EUMETSAT	WGEdu	CEOS-GEOQuestionnaire_CB-06-04.doc	
CB-07-01a_1	Transverse	Transverse	CB-07-01a		2	Engaging Donors - Contributions to the Work Plan for Resource Mobilisation developed by the Seville Workshop in 2007 - planned fundraising activities.	10/1/2008	Werner Baloch		UNOOSA	UNOOSA, NOAA	WGEdu	CEOS-GEOQuestionnaire_CB-07-01a.doc	
CB-07-01b_1	Transverse	Transverse	CB-07-01b		2	Identify Best Practices, Gaps and Needs - small team under leadership of EUMETSAT to address the implementation of CB requirements placed upon the GEO Portal, based upon experience with the CEOS WGEdu educational resources Portal.	12/31/2008	Gordon Bridge	Gordon.Bridge@eumetsat.int	EUMETSAT	EUMETSAT, INPE, CONAE, NOAA, CNES, FAO, UNESCO	WGEdu	CEOS-GEOQuestionnaire_CB-07-01b.doc	
CB-07-01e_1	Transverse	Transverse	CB-07-01e		2	Open Source Software - ongoing activities by USGS and INPE	12/31/2008	Joao Viane	viane@ltd.inpe.br	INPE	INPE, USGS	WGEdu	CEOS-GEOQuestionnaire_CB-07-01e.doc	
CB-07-02_1	Transverse	Transverse	CB-07-02		3	Knowledge sharing for improved Disaster Management and Emergency Response - UN- SPIDER Platform for fostering alliances - establishment of a knowledge Portal	12/31/2008	Georg Mageri		UNOOSA	UNOOSA, GIS/UN-SPIDER	WGEdu	CEOS-GEOQuestionnaire_CB-07-02.doc	No CEOS Members identified. Only UNESCO as CEOS Associates. Why no CEOS Members ?
DA-06-01_1	Transverse	Transverse	DA-06-01		4	CEOS SIT convene data experts to review implementation guidelines and provide feedback to task lead.	TBD	TBD		TBD	TBD	WGISS	CEOS-GEO Worktable Questionnaire 1.8.08_JAXA_DA0601b.doc CEOS-GEO Questionnaire DA -06-01.doc	Suggest CEOS SIT or CEOS Plenary facilitate discussion by agency experts on data policy to produce a position from the point of existing CEOS data principles for global change support and public use.  Following discussion between CEO and WGISS Chair at WGISS-25 (Feb 2008), this action could be removed as already addressed by SIT
DA-06-02_1	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Dome C Experiment:</b> 1) Conduct a joint experiment using the Dome C site for cross comparison and evaluate its uncertainty and suitability for climate quality calibration. 2) Develop the theoretical basis and standard procedure for cross comparison. 3) Present results at the IGARSS and put on the cal/val portal	10/1/2008	C. Cao/P. Henry/J. Xiong	Changyong.Cao@noaa.gov	NOAA	NOAA, NASA, CNES, ESA, USGS	WGCV-IVOS, WGCV-MS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources may be required for new participating agencies.
DA-06-02_2	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	<b>Data QA Framework and Guidelines:</b> 1) Develop and deliver a consensus documentary framework and guidelines on cal/val for data quality control/assurance and best practices; 2) Develop a consolidated worldwide cal/val site database to be included in the CEOS cal/val portal. 3) Further expand the cal/val portal in both content and functionality	10/1/2008	P. Lecomte	Pascal.Lecomte@esa.int	ESA	ESA, USGS, NASA, BNSC/NPL, NOAA	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources required for the cal/val portal development from ESA.
DA-06-02_3	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	1	Hold the 2nd <b>GEO-CEOS Workshop</b> on cal/val to continue developing the framework and guidelines for data quality assurance.	10/1/2008	P. Lecomte	Pascal.Lecomte@esa.int	ESA	ESA, NIST, NOAA, all WGCV members	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	No additional resources are required (except meeting fees needs to be resolved). Space agencies are encouraged to participate in the workshop.
DA-06-02_4	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	2	<b>Radiometric standards:</b> 1) Identify fundamental radiometric reference standards and application methods for use in EO. 2) Develop a CEOS/WGCV standards and recommendations handbook. 3) Following the establishment of CEOS reference standards, including the moon, standard deserts and LANDNET test site, WGCV/IVOS will ensure that the accompanying operational guidelines and coordinates will be made available through the GEO/CEOS cal/Val portal	12/30/2008	Changyong Cao, Nigel Fox	Changyong.Cao@noaa.gov	NOAA/NIST/BNSC/NPL	All WGCV members, WGCV subgroup chairs	WGCV	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Handbook cost will be covered by NOAA
DA-06-02_5	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	2	<b>Benchmark mission coordination:</b> 1) NASA to initiate dialogue with UK/ESA relating to collaboration and coordination of the benchmark measurement/calibration missions (TRUTHS and CLARREO). 2) Subject to resourcing an optimisation study will be carried out to define operational and detailed mission/instrument specifications of TRUTHS to establish "strawman" requirements as a basis for identification and collaboration of other CEOS space agencies.	12/30/2008	Nigel Fox	nigel.fox@npl.co.uk	BNSC/NPL	BNSC/NPL, ESA, NASA	WGCV/IVOS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Additional resources (50-100 K GBP for 2008) required from BNSC/ESA for the TRUTHS prototyping.
DA-06-02_6	Transverse	Transverse, Climate	DA-06-02	CL-06-02 AG-07-03	2	<b>Ground based cal/val campaign:</b> Obtain support and resources to complement those of ESA to initiate and plan an international cross-comparison of ground Calval support techniques and instrumentation for both IR emitted radiance (SST) (spring 09) and VIS/SWIR reflected radiance (Land) (summer 10).	4/1/2009	Nigel Fox	nigel.fox@npl.co.uk	BNSC/NPL	BNSC/NPL, USGS, NOAA, ESA, NASA	WGCV/IVOS	CEOS-GEO Worktable Questionnaire_DA0602_wgcv.doc	Resource required for 2009 from all participating agencies. CEOS/SIT to solicit support from all space agencies.
DA-06-04_1	Transverse	Transverse	DA-06-04	DA-07-03	2	<b>Land product harmonization:</b> 1) Continue developing the strategy for generating consistent biophysical products from medium resolution sensors. 2) Evaluate global landcover classification at regional scale. 3) Update the BELMANIP, and intercompare the fAPAR products. 4) Publish the results.	12/30/2008	Frédéric Baret	baret@avignon.inra.fr	CNES/INRA	WGCV/LPV, NASA	WGCV/LPV	CEOS-GEO Worktable Questionnaire_DA0604_wgcv.doc	



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CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
DA-07-01_1	Transverse	Transverse	DA-07-01	DA-07-02	3	NOAA to send a delegation of scientists to ISRO to host a workshop and provide lectures on satellite algorithms, products, and applications.	4/30/2008	Shobha Kondragunta	Shobha.Kondragunta@noaa.gov	NOAA	NOAA, ISRO		CEOS-GEO_ DA-07-01e_DA-07-02_Questionnaire_NOAA-Kondragunta.doc	Dates to be confirmed.
DA-07-01_2	Transverse	Transverse	DA-07-01	DA-07-02	3	Completion of Implementation Arrangement (IAs) for mutual exchange of satellite data (from ISRO: INSAT-3D sensor data, from NOAA: Technology transfer for INSAT-3D product development for products such as precipitation, aerosols, temperature	4/30/2008	Shobha Kondragunta	Shobha.Kondragunta@noaa.gov	NOAA	NOAA, ISRO		CEOS-GEO_ DA-07-01e_DA-07-02_Questionnaire_NOAA-Kondragunta.doc	Dates to be confirmed.
DA-07-01_3	Transverse	Transverse	DA-07-01		1	<b>Global DEM interoperability:</b> 1) Submit draft Guidelines on "Global DEM interoperability (GDI)". 2) Request NASA provide details on global validation Web Processing Service based on NASA-GSFC ICESAT/GLAS. 2) Request JAXA to provide list of <b>validated</b> ALOS-PRISM DEMs for regions in Africa, Asia, South America, Antarctica for future test sites. 3) Recommendation to CEOS Plenary to invite CNES/SPOT, DLR and ESA to contribute DEM height pixels to Global DEM. 4) Develop plan with USGS for validation of global ASTER DEM in association with NASA and JAXA. 5) Hold workshop on "Practical aspects of GDI" in Beijing, 7/08.	12/30/2008	Jan Peter Muller	jpm@mssl.ucl.ac.uk	BNSC/UCL	WGCV/TM, JAXA, ESA, NASA, CNES, USGS	WGCV/TM	CEOS-GEO Worktable Questionnaire_DA0701_wgcv.doc	Requires continued support from BNSC (possibly also ESA and NASA) for further progress for this task. Also requires CEOS/SIT to facilitate the data access.
DA-07-03_1	Transverse	Transverse	DA-07-03		1	Complete the first intercomparison study undertaken by the Precipitation Measurement Missions (PMM) Science Team intercalibration working group in coordination with the CGMS/GSICS. This action is to completed by August 2008. This action is an important step in establishing how PC data should be intercalibrated at antenna and brightness temperature stage. It also examines the issues involved in using a reference satellite as part of the intercalibration.	8/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_2	Transverse	Transverse	DA-07-03		1	Coordinate international ground validation (GV) activities and establish the scope of joint GV projects during the year. An international GV meeting will be held in Brazil during March 2008. Action ensures coordinated activities to support GPM pre-launch algorithm development at the national and international levels. Action is also part of the effort for determining error characteristics of satellite precipitation products.	3/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_5	Transverse	Transverse, Agriculture	DA-07-03	AG-06-01 AG-06-02 AG-06-04 AG-07-02 AG-07-03	1	In support of the Land Surface Imaging (LSI) Constellation, provide a demonstration of prototype of an LSI Constellation Portal	9/1/2008	Lyndon Oleson	oleson@usgs.gov	USGS	USGS, GISTDA, CRESDA, ISRO, NASA, NOAA	WGISS, LSI	CEOS-GEO Questionnaire DA -07-03.doc	
DA-07-03_6	Transverse	Transverse	DA-07-03		1	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.	6/1/2008	Steven Neeck	steven.neeck@nasa.gov	NASA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_9	Transverse	Transverse	DA-07-03		2	Continue TRMM operations through 2008. Action is necessary to support GPM Preparatory Phase of PC.	12/31/2008	Steven Neeck, Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	No additional resources are required.
DA-07-03_10	Transverse	Transverse	DA-07-03		2	Continued progress on moving GPM from formulation to implementation phase at NASA and JAXA. Major near-term milestones are: GPM DPR (JAXA) PDR (1Q2008), GPM DPR (JAXA) Delta PDR (3Q2008), GPM Core Spacecraft/Mission (NASA) PDR (4Q2008), GPM Mission (NAS	3/1/2009	Steven Neeck, Riko Oki	steven.neeck@nasa.gov	NASA JAXA	NASA, JAXA CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_DA-07-03 PC update.doc	
DA-07-03_11	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Define new objectives for 2008 that likewise will help users of LSI data expand and enhance the application of LSI satellite data to the benefit of society in many important and wide-ranging research and practical endeavors.	3/31/2008	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03



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CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
DA-07-03_12	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Complete the definition of standards for future mid-resolution LSI satellite systems to produce information products that benefit several SBA areas.	9/30/2008	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03
DA-07-03_13	Transverse	Transverse, Agriculture, Climate, Ecosystems, Water	DA-07-03	AG-06-02 AG-06-04 AG-07-02 AG-07-03 CL-06-02 DA-07-02 EC-06-01 EC-06-02 EC-06-07 WA-06-02 WA-07-01 WA-08-01	1	Complete agreements among operators of mid-resolution LSI satellite systems to cooperate in improving user access to data, including sample data sets; enhancing timely acquisition of global datasets, including routine acquisition over defined calibration, environmentally sensitive, and other agreed upon sites; and implementing common data processing parameters, standard data formats, and common map projections.	9/30/2009	Bryan Bailey	gbbailey@usgs.gov	USGS	USGS	LSI	CEOS-GEO Worktable Questionnaire - LSI DA-07-03.doc	Moved from DA-07-02 to DA-07-03
DA-07-04_1	Transverse	Transverse, Health	DA-07-04	HE-06-03	3	WGISS Sensor Web TT works with Jack Fishman and Ernie Hilsenrath to agree on prototype which, when implemented, demonstrates EO-1 tasking in response to smoke forecast, adding to HE-06-03_3.	10/1/2008	Terence van Zyl	tvzyl@csir.co.za	CSIR	CSIR, NASA	WGISS, ACC	<not specified>	
DA-07-06_1	Transverse	Transverse, Water	DA-07-06	WA-07-01 WA-08-P1	3	Establish a Task Team, which would assist the Task Leads of DA-07-06 in enlisting interested data providers, sharing data integration methods, and organizing and participating in planned workshops.	10/1/2008	Satoko Miura	miura.satoko@jaxa.jp	JAXA	JAXA, NOAA	WGISS	CEOS-GEO Worktable Questionnaire 1.8.08_miura.doc	
WA-06-02_1	Water	Water	WA-06-02		2	Develop a "white paper" on a shared vision of the need for ensemble re-analysis and re-forecast from atmospheric models over a continuum of water and climate time series	12/31/2008	John Schaake		NOAA	NOAA, GRP/GEWEX, WWRP/THORPEX, WMO, IAHS, UNESCO, ECMWF, ICID, FAO, EU		CEOS-GEO Worktable Questionnaire - NOAA - Jan08 - WA-06-02.doc	
WA-06-02_2	Water	Water	WA-06-02		2	Identification of possible sources of funding for HEPEX and NIDIS collaborative activities	12/31/2008	John Schaake		NOAA	NOAA, WCRP/GEWEX, WWRP/THORPEX, WMO, IAHS, UNESCO, ECMWF, ICID, FAO, EU		CEOS-GEO Worktable Questionnaire - NOAA - Jan08 - WA-06-02.doc	No additional resources are required.
WA-06-02_3	Water	Water	WA-06-02		2	Keep producing the daily maps showing the number of dry days to assess fire risks over the Amazon and also to support prediction of drought and severe conditions events in Brazil.	12/31/2008	Carlos Frederico Angelis		INPE	INPE, NOAA		Questionnaire WA_06_02_INPE.doc	No additional resources are required.
WA-06-02_4	Water	Water	WA-06-02		2	Continue to make Land Surface model outputs (in particular related to droughts) available on-line	ongoing	Jared Entin		NASA	NASA, GEWEX, GWSP		<not specified>	
WA-06-07_1	Water	Water	WA-06-07		1	Develop and release a web based GIS, named SIGMA, and a desktop application to handle products and data received by the GEONETCast (SKGMACast)	8/31/2008	Carlos Frederico Angelis		INPE	NOAA, EUMETSAT, CONAE, INPE, WMO	PC	Questionnaire WA-06-07_INPE.doc	No additional resources are required.
WA-06-07_2	Water	Water	WA-06-07		1	Preparation of the TIGER activities for 2008-2010 in collaboration with CEOS and African partners	10/1/2008	Diego Fernandez Prieto	Diego.Fernandez@esa.int	ESA	ESA, UNESCO, CSA and CSIR.	LSI	CEOS-GEO Worktable Questionnaire 1.8.08.doc	No additional resources are required.
WA-06-07_3	Water	Water	WA-06-07		1	Support two AWCI (Asian Water Cycle Initiative) Int'l Coordination Group (ICG) meetings in April and September	9/30/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, AWCI, IGWCO, WCRP, WMO.		Questionnaire_JAXA_WA0607.doc	No additional resources are required.
WA-06-07_4	Water	Water	WA-06-07		2	Develop and Open Knowledge Environment (OKE), the platform of a showcase of applications and place 20-30 showcase applications online by the end of 2008.	12/31/2008	Liu Chuang	lchuang@igsnnr.ac.cn	NRSCC-CAS	NRSCC-CAS, UN-GAID, ICSU/CODATA, IAP	WGISS	CEOS-GEO Worktable QuestionnaireWA-06-07.doc	
WA-06-07_5	Water	Water	WA-06-07		2	Develop tools for using Earth observation data in support of disasters and water resource management through the Int'l Charter	12/31/2008	Nelly Mognard	nelly.mognard@cnes.fr	CNES	CNES, ESA, NASA, JAXA, NOAA, CSA, ISRO, CONAE, USGS, DMC, CNSA		CEOS-GEO Worktable Questionnaire 1.8.08_WA-06-07_feb08.doc	
WA-06-07_6	Water	Water	WA-06-07		2	Identify a funding source to support the transition of the global H-E code to an operational platform	12/31/2008	Chet Koblinsky		NOAA	NOAA		CEOS-GEO Worktable Questionnaire - NOAA - Jan08 - WA-06-07.doc	
WA-06-07_7	Water	Water	WA-06-07		2	Preparation of the TIGER activities for 2008-2010 in collaboration with CEOS and African partners	12/31/2008	Diego Fernandez Prieto	Diego.Fernandez@esa.int	ESA	ESA, UNESCO, CSA and CSIR.		CEOS-GEO Worktable Questionnaire 1.8.08.doc	
WA-06-07_8	Water	Water	WA-06-07		2	Continue building capacity in Central and South America to use Water-related remote sensing and model output data through "SERVIR" and directed capacity building activities.	ongoing	Jared Entin		NASA	NASA, IGWCO		<not specified>	
WA-06-07_9	Water	Water	WA-06-07		1	Hold the International Hydrometeorology Analysis and Forecasting Course inviting hydroforecasters from the world	9/30/2008	Curt Barrett		NOAA	WMO, UCAR/COMET		<not specified>	
WA-07-01_1	Water	Water	WA-07-01		1	Support two AWCI (Asian Water Cycle Initiative) Int'l Coordination Group (ICG) meetings in April and September	9/30/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, AWCI, IGWCO, WCRP, WMO.	WGEdu	Questionnaire_JAXA_WA0701.doc	No additional resources are required.

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CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
WA-07-01_2	Water	Water	WA-07-01	WA-08-01	1	Release final version the WTF-CEOP JAXA Prototype system	3/31/2008	S.Miura	miura.satoko@jaxa.jp	JAXA	JAXA		CEOS-GEO Worktable Questionnaire 1.8.08_miura.doc	Additional resources may be required
WA-07-01_3	Water	Water	WA-07-01		2	Carry out CYMENT a 3 year (2008-2010) project to develop a demonstrator devoted to the combined use of space observations and modelling for land hydrology	12/31/2008	Nelly Mognard	nelly.mognard@cnes.fr	CNES	CNES		CEOS-GEO Worktable Questionnaire 1.8.08_WA-07-01_feb08.doc	
WA-07-01_4	Water	Water	WA-07-01		2	Develop an automatic system to acquire information about the water quality of the Pariba do Sul river	12/31/2008	Carlos Frederico Angelis		INPE	INPE		Questionnaire WA_07_01_INPE.doc	
WA-07-01_5	Water	Water	WA-07-01		2	Select projects in 2008 from those applied to a call for proposals to further develop remote sensing techniques for water quality related variables for in-land bodies of water and near coastal environments.	12/31/2008	Jared Enin		NASA	NASA, IGWCO		<not specified>	
WA-08-P1_1	Water	Water	WA-08-P1		1	Support the IGWCO planning meeting in March 2008	3/31/2008	C. Ishida	ishida.chu@jaxa.jp	JAXA	JAXA, IGWCO , WCRP, WMO	PC	Questionnaire_JAXA_WA08P1.doc	No additional resources are required.
WA-08-P1_2	Water	Water	WA-08-P1		2	(a) SOLS(Service d'Observation des grands Lacs par Satellites): Study the feasibility pre-operational lake water volume monitoring using available altimeter data (b) HYSOPE(Hydrologie Spatiale OPErationnelle): Study the feasibility of NRT river and lake	12/31/2008	Nelly Mognard	nelly.mognard@cnes.fr	CNES	ESA, NASA, CNES, JAXA, NOAA, Eumetsat	OST	CEOS-GEO Worktable Questionnaire 1.8.08_WA-08-P1.doc	
WA-08-P1_3	Water	Water	WA-08-P1		2	Conversion of HDF formatted 3hr global rainrate products to GIS formatted rain accumulation products. To become fully operationally and available to all users.	4/30/2008	Steve Neeck	steven.neeck@nasa.gov	NASA	NASA, JAXA,CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_WA-08-P1_PC	
WA-08-P1_4	Water	Water	WA-08-P1		2	PPS will enable users to create dynamic geographic subsets of TRMM rain products.	4/30/2008	Steve Neeck	steven.neeck@nasa.gov	NASA	NASA, JAXA,CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_WA-08-P1_PC	
WA-08-P1_5	Water	Water	WA-08-P1		2	Continue to provide in-situ, remote sensing and global and regional land and coupled assimilation water and energy products at the CPPA-CEOP Reference Sites	12/31/2008	Jin Huang		NOAA	NOAA, HARON, CRP/GEWEX, GRDC, WMO, ESA	PC	CEOS-GEO Worktable Questionnaire - NOAA - Jan08 - WA-08-01.doc	No additional resources are required.
WA-08-P1_6	Water	Water	WA-08-P1		2	Make two different hydrological models: one for a large basin in the Amazon and other for an important watershed in Southeast Brazil, portable enough to disseminate them to users	12/31/2008	Carlos Frederico Angelis		INPE	INPE	PC	Questionnaire WA-08-P1_INPE.doc	
WA-08-P1_7	Water	Water	WA-08-P1		4	GPM ground validation (GV) working group is using satellite and ground data to investigate key issues of combination over co-located sites.	11/30/2008	Steve Neeck Riko Oki	steven.neeck@nasa.gov oki.riko@jaxa.jp	NASA JAXA	NASA, JAXA,CNES, ISRO, INPE, ESA, CAST/NRSCC, NOAA, NRL, EUMETSAT, DLR, CSA	PC	CEOS-GEO Worktable Questionnaire_WA-08-P1_PC	
WA-08-P1_8	Water	Water	WA-08-P1		4	Make various water and energy cycle data sets will be placed on-line through the NASA Energy and Water cycle Study (NEWS) in 2008.	12/31/2008	Jared Entin		NASA	NASA, GEWEX, IGWCO		<not specified>	
WE-06-02_1	Weather	Weather, Climate	WE-06-02	CL-06-02	1	Communicate to CEOS agencies the WMO Vision for the Space-based component of the Global Observing System NOTE: The draft vision was communicated to CGMS Members through CGMS-35-WMO-WP-06 . The same document could be made available to CEOS.	3/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO			CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-06-02_2	Weather	Weather, Climate	WE-06-02	CL-06-02	1	CEOS SIT and CEOS Agencies to review the WMO vision for the Space-based component of the Global Observing System and identify how CEOS Constellations and individual CEOS agencies' plans will contribute to the realisation of this vision	7/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO	SIT, CEOS Agencies	OST, PC	CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-06-02_3	Weather	Weather, Climate	WE-06-02	CL-06-02	2	Observing System Simulation Experiment (OSSE) to compare operational benefits of the various ROS constellation options identified in June 2007 at the WMO Workshop on the Re-design and Optimization of the Space-based GOS (OPT-2)	12/31/2008	Mitch Goldberg	Mitch.Goldberg@noaa.gov	NOAA	NOAA		CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	Additional resources required and schedule feasibility needs to be assessed
WE-06-02_4	Weather	Weather, Climate	WE-06-02	CL-06-02	2	Confirmation of plans for geostationary hyperspectral sounders on MTG and FY-4-O (end 2008), GOES-S and MTSAT-FO (later)	12/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO	WMO, EUMETSAT, CMA, NOAA, JMA		CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	Additional resources may be required.
WE-06-02_5	Weather	Weather, Climate	WE-06-02	CL-06-02	2	To propose plan for operational IR and MW sounding from the early morning orbit.	12/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO	CEOS Agencies		CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	Additional resources may be required.
WE-06-02_6	Weather	Weather, Climate, Transverse	WE-06-02	CL-06-02 DA-06-02	2	Operational implementation of geostationary to LEO intercalibration for all operational geostationary IR imagers	12/31/2008	Jerome Lafeuille	JLafeuille@wmo.int	WMO	WMO, NOAA, EUMETSAT, CMA, JMA, KMA,	WGCV	CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-06-02_7	Weather	Weather, Climate	WE-06-02	CL-06-02	3	ESA ADM-Aeolus Doppler Lidar demonstration mission planned for 2009	12/31/2009	Jerome Lafeuille	JLafeuille@wmo.int	WMO	WMO, ESA		CEOS-GEO Worktable Questionnaire 12[1].8.08 - Weather SBA - WE-06-02 - Draft C.doc	
WE-06-02_8	Weather	Weather	WE-06-02		2	Availability of operational prototype for flood monitoring and landslide warning using TRMM data	12/31/2008	Steven Neeck	steven.neeck@nasa.gov	NASA	NASA		CEOS-GEO Worktable Questionnaire_WE-06-02 PC.doc	
WE-06-02_9	Weather	Weather	WE-06-02		2	Production of Merged TRMM Multi-satellite Precipitation Products	12/31/2008	Steven Neeck	steven.neeck@nasa.gov	NASA	NASA		CEOS-GEO Worktable Questionnaire_WE-06-02 PC.doc	

All Category Actions														
CEOS-GEO Action Number	Primary SBA Addressed	All SBAs Addressed	Primary GEO Task	Additional related GEO Task(s)	CEOS Action Category: (1 to 4)	Action Description	Due Date	POC	POC Email Address	Proposed Lead Agency	All Agency and Organization Participation	CEOS Working Group and Constellation Participation	Questionnaire Reference	Comments
WE-07-01_1	Weather	Weather	WE-07-01		1	Demonstrate the impacts of MetOp-A IASI on the global medium range forecasts	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_2	Weather	Weather	WE-07-01		1	JCSDA will demonstrate the uses of cloudy radiances from microwave instruments in NCEP GFS systems	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_3	Weather	Weather	WE-07-01		1	Complete assessment of requirements needed to perform an Observing System Simulation Experiment (OSSE) to compare operational benefits of the various ROS constellation options identified in June 2007 at the WMO Workshop on the Re-design and Optimization of the Space-based GOS (OPT-2)	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No funding is needed to assess the requirements (UPDATED following e-mail from Rob Husband, 9 & 10 March 2008)
WE-07-01_4	Weather	Weather	WE-07-01		1	The JCSDA partners: NRL, AFWA and NCEP will begin assimilation of Windsat wind vectors in their forecast systems	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.
WE-07-01_6	Weather	Weather	WE-07-01		1	Develop and test several major radiative transfer components in NCEP global forecast system (GFS) and mesoscale research and forecast system (WRF) with a deliverable of CRTM version 2 which include Zeeman splitting, trace gas, and historical instruments	9/30/2008	Fuzhong Weng	Fuzhong.Weng@noaa.gov	NOAA	NOAA		CEOS-GEO_WE-07-01_Questionnaire_Weng.doc	No additional resources are required.