

# ESA-led Actions in CEOS Work Plan

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### Category 1 Actions:

CL-06-02\_11

Action: Global datasets access for GlobCarbon (fAPAR, Leaf Area Index, vegetation growth cycle, fire), GlobColour (10-yr ocean color dataset) and Medspiration (long-term SST record from ERS-1/2 and Envisat), GlobGlacier

Status: GlobColour & Medspiration: **COMPLETED** Data already accessible on the Web (<http://www.globcolour.info/>, <http://www.medspiration.org/>)

GlobCarbon: LAI, fAPAR, Vegetation growth (Apr 1998 – Dec 2005) and Burned Estimated Area (April 1998- June 2006) available through <http://www.globcarbon.info/>. 10 years planned to be available by end of year 2008.

DI-06-03\_1

Action: Integration of InSAR technology for disaster warning and prediction

Status: Draft Work Plan will be presented to SIT-22 . It reflects the work plan of the Geohazards community of practices. The second version is planned for November 2008.

DI-06-09\_2

Action: Improve access to disaster Charter data

Status: Agreement in principle reached at the Charter Board Meeting on April 16-17 in Montréal. A letter was sent to GEO by the Chair of the Board in May 2008. An implementation Plan is under preparation, based on inputs by the Charter Executive secretariat. GEO will also be consulted shortly.

EC-07-01\_1

Action: ESA to release GlobCover data

Status: **COMPLETED**: First Global Land Cover at 300 meters has been processed with MERIS data from 2005-2006 and is available to public since March 2008 (<http://dup.esrin.esa.int/projects/summary68.asp>)

**Category 1 Actions (cont'd):**

**WA-06-07\_2**

**Action:** Preparation of TIGER activities for 2008-2010 in collaboration with CEOS and African partners

**Status:** New TIGER implementation period proposed as a CEOS contribution to GEO WP 2009-2011: **COMPLETED**. Implementation Plan for phase II: **COMPLETED**. TIGER SC Committee Meeting held in UNESCO with participation of African Ministerial Council on Water: **COMPLETED**.

The launch of the scientific component will be later than originally planned, but preparation of Call for Projects is already starting in September to be completed before end of 2008.

**DA-06-02\_2**

**Action:** Data Quality Assurance Framework and Guidelines

**Status:** Consensus documentary framework discussed through two workshops, released for comments during summer. It will be first proposed at SIT-22 . CAL/VAL Portal developed and open: **COMPLETED**. *It is now proposed to link it to the GEO Portal.*

Calibration Test site study initiated by ESA now ongoing.

**DA-06-02\_3**

**Action:** Hold the 2<sup>nd</sup> GEO-CEOS Workshop on CAL/VAL

**Status:** **COMPLETED**: 2<sup>nd</sup> Workshop successfully organized by ESA with NASA/NIST in Washington, DC, on May 6-8, 2008. See

<http://calvalportal.ceos.org/CaValPortal/showWorkshops.do>

### Category 2 Actions:

CL-06-01\_4

Action: Reprocess altimeter data and atmospheric products from Envisat

Status: Altimetry: Proposal received, now under review. Atmospheric products: MIPAS processor under implementation by industry. Delivery expected October 2008. reprocessing will start after validation of the processor. SCIAMACHY: The second reprocessing cycle was covering the period 02 August 2002 – September 2007. The complete Level 1b version 6.03 and Level 2 version 3.01 dataset is available at D-PAC. **COMPLETED** The next processors version are under implementation, with an anticipated start of the third full mission reprocessing in early 2009. GOMOS: The new baseline is currently under verification testing. This will become operational including possible upgrades resulting from the verification. A full mission reprocessing will be done with it. *This will be ESA mandate if new program is approved.*

DI-06-08\_2

Action: Demonstrate Global Operational Volcanic Ash Alert System

Status: ESA's contribution to ACC: project SAVAA (Support to Aviation for Volcanic Ash Avoidance). Kicked-off 11 September 2008; duration 3 years.

### Category 3 Actions:

EC-06-01\_2

Action: 10 yrs of GlobCarbon data made available so that generation of fully-calibrated land products is possible

Status: **COMPLETED**. 10 years available by end of year 2008 (See CL-06-02\_11)

WE-06-02\_7

Action: ESA ADM-AEOLUS Doppler Lidar Demonstration Mission planned for 2009

Status: Launch date for ADM-AEOLUS is May 2010. *This action needs to be clarified*