
CSA commitments to CEOS 2009-2011 actions plan

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Task POC & Co-leads

The CSA will provide a POC and be Co-lead for two GEO tasks on behalf of CEOS.

- DI-06-09 « Use of Satellites for Risk Management »
(G. Séguin)
- DI-09-02B « Multi-hazard Risk and Regional Applications, Regional End-to-End Disaster Management Applications »
(G. Séguin)

Actions for CSA POCs

- **AG-06-02_3: Development of EO tools for Ecosystem-based Marine Management (P. Briand)**
Deliverable 2009: Finalize EO-based ecosystem management and research tools, March 2009; Application to an extensive suite of satellite, fisheries, and oceanographic time series, March 2009
- **AG-07-03A_4: Integrating remote sensing data into selected models to enhance operational decision support for crops, drought and agricultural water management (P. Briand)**
Deliverable 2009: Development, test, assessment and validation (data and model) –Dec 2009
- **AR-09-01B_3: Coordinated response of space agencies to IPY science objectives (Y. Crevier)**
Deliverable 2009: May 2009 - SAR processing strategy
- **DI-06-09_8: Development of system architecture for risk management, including validation with users. Based on user requirements, document existing and planned systems, determine gaps and propose satellite architectures to address priorities (G. Séguin)**
Deliverable 2009: roll-up across disaster types for overall architecture requirements - 15/07/2009; simulation of satellite systems - 15/10/2009

Actions supported by the CSA

- DI-06-09_6: Implementation of GEO-Charter Agreement (A. Mahmood)
- DI-09-01A _2: Implement Action Plan for increased use of INSAR data by geohazard community (D. Delisle)
- AG-06-02 _2: Publish an IOCCG monograph on “Applications of Remote Sensing in Fisheries and Aquaculture” (Y.Crevier)
- DI-09-02B_1: Contribute radar and infrared data to a demonstration of disaster management using satellite data in the Caribbean and in Africa (D. Delisle)
- DI-09-01A _3: Expand operational use of InSAR monitoring of landslides (G. Aube)
- DI-06-09_5: Development and operation of International Charter metadata catalog using GEO interoperability standards to contribute to GEO Portal (C. Giguere)
- CL-06-01C_21: Conduct an ACC-4 workshop based on air quality (S. Mello)
- Note: The CSA will support the Task “Carbon Forest Tracking” with SAR data (Yves Crevier) The action has not been created yet. To be discussed at SIT-23

International GEO Workshop on SAR for Agricultural Monitoring

- Canada to host workshop in Banff from 2 - 4 Nov., 2009
- 'By invitation' training course 31 October - 1 Nov., 2009
- Workshop aims to:
 - Increase understanding of SAR capabilities
 - Share best practices (processing, analysis and modelling)
 - Increase awareness of tools
 - Build capacity with agricultural community to exploit SAR
 - Initiate a needs-based dialogue

Candidate Threads: “Disasters”

- Is there a link between environmental change (natural and human made), climate change and the increase in natural disaster frequency and severity?
- Which observations are required to establish this link and support predictions.
- Which one are missing?
- CSA proposes that CEOS System Engineering Office (SEO) analyze this question by September 2009.