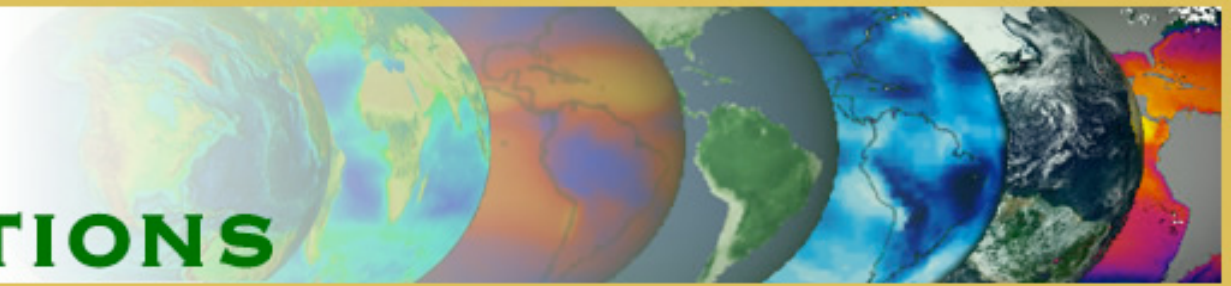


GROUP ON EARTH OBSERVATIONS



Report on GEO / GEOSS Activities

Guy Duchossois, Work Plan Manager

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Contents

GEO-I Plenary (3 - 4 May 2005)

- **Election of Executive Committee**
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Election of Executive Committee

- **12 Member Executive Committee**
 - **Regional representation**
 - **Africa(2) : Morocco and South Africa**
 - **Americas(3): Brazil, Honduras, USA**
 - **CIS: Russia**
 - **Asia(3): China, Japan and Thailand**
 - **Europe(3): EC, Germany and Italy**
- 4 co-Chairs: EC and USA for developed countries**
China and South Africa for developing countries

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Scientific/Technical Advice

Two options considered:

- Semi-permanent standing committee
- Reliance on ad hoc / limited duration committees for specific tasks

Proposal from ad hoc S/T WG is a mixture of the 2 options:

- Small (6) standing Panel for high level advice and appointed by GEO supported by
- Ad hoc science and technical advisory groups as needed

No final decision yet done in Plenary



User Interface mechanism

Goal: To capture in a systematic, targeted, focused and comprehensive way the needs and concerns of a broad range of user communities, cross-cutting issues and trans-disciplinary needs

Possible approach: A two-tiered user interface mechanism

- **Communities of Practice (CoP)** to provide fora for producers and users to work together on areas of interest to GEO
- **A User Interface Panel** to address cross-cutting issues and oversees the CoPs, ensuring continuity and avoiding duplication

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Secretariat Transition

- Office relocation from Washington to Geneva
- Secretariat transition staff
 - **Administrative staff** (Director, Executive officer, transition coordinator and 2 additional support staff)
 - **Work Plan development team** (4-5 staff including WP Manager plus Special assistant and seconded experts visiting experts
- Secretariat **Director** recruitment
 - In progress: interviews at end May and selection announcement in June(Final appointment by WMO Secretary general as WMO staff)

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2005/2006 Work Plan Status

- **Status of Work Plan Team**
- **Methodology for Work Plan Development**
- **2005 Activities**
- **2006 Work Plan**
- **Example**



Status of Work Plan Team

- Appointment by Co-Chairs in March of **4 persons** (including Leader); 2 in post at WMO since mid April and 2 will join during first half of May
- Administrative support provided by GEO Secretariat and WMO
- The 4 Team members are seconded by GEO Members and Participating Organizations till end Dec. 2005
- **Additional part-time support** from external experts offered by EUMETSAT and NASA



Methodology for Work Plan Development (1/2)

- Mid-March, a working session at WMO
- **Starting point:** 2-, 6-, and 10-Year Targets (as of 10Y IP Reference Document)
- **Initial focus on 107 2-Year Targets** (completion of tasks expected by end 2007)



Methodology for Work Plan Development (2/2)

- **Translation of each 2-Year Target** into concrete tasks/activities (“**Work Packet**”) as well as the **identification of responsible organizations / persons** to execute these tasks and activities
- **Involvement of external organizations/experts** to assist the WP Team for the definition of Work Packets



2005 Activities

- GEO-6 decision to start activities already in 2005
- Thorough screening/ranking of proposed activities/tasks **(213 received on 30 Apr.)** to identify those achievable or to be initiated in 2005
- Iteration with originators (clarification ...)
- Finalization of definition of 2005 activities by end of June
- **Written report circulated to GEO community by 1 July**



2006 Work Plan (1/2)

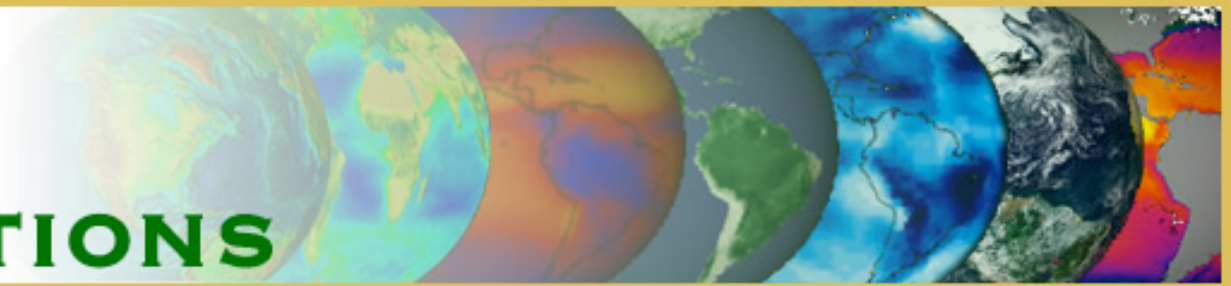
- Elaboration of **Work Plan Version 0** during Jul./Aug. from inputs provided (on 30 June) by external experts and further analyzed in detail and ranked
- Release of Work Plan Version 0 on 30 Aug. to Target specialists for comments by 25 Sep.
- Elaboration of **Work Plan Version 1** for submission to GEO/Executive Committee by 7 Oct.
- Comments from GEO/Executive Committee due by 28 Oct.



2006 Work Plan (2/2)

- **Work Plan Version 2** released on 14 Nov. for GEO-II
- **2006 Work Plan** and associated budget submitted to GEO-II for approval in 14-15 December 2005 together with report on 2005 achievements

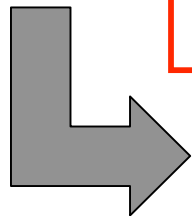
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Example 1: DISASTER (1/2)

2-Year Target

Advocate expansion of seismic monitoring networks, plus expansion of the present network of ocean-bottom pressure sensors, and upgrade existing global networks (e.g. the GSN) so that all critical instruments relay data in real time, in support of better tsunami warning worldwide.



Set of
provided
Tasks
by IOC

Task 1

Facilitate immediately (6 months) upgrading of the existing Tsunami detection networks in Indian Ocean.

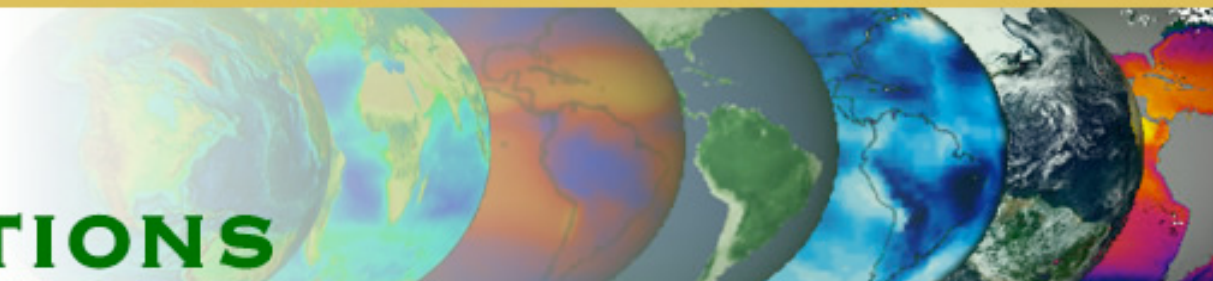
Task 2

Contribute to the design of the Tsunami early warning systems in Indian Ocean and expand to global coverage.

Task 3

Contribute to the elaboration of preparedness plan/vulnerability maps using EO and GIS techniques.

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Example 1: DISASTER (2/2)

Task Title	Contribute to the elaboration of preparedness plan/vulnerability maps using EO and GIS techniques.		
Rank	1 (Initiated in 2005)	Priority	A (High)
GEOSS Role	Joint / shared	Category	Data provision/processing
Description	Space observations will be used to generate Digital Elevation Models, Land use and Land cover information (in particular in coastal zones) and vulnerability maps (flooding area...), bathymetry in shallow waters, etc.).		
Responsible	IOC, CEOS space agencies (with support from service companies)		
Start Time	July 2005	End Time	2006-2007
Output / Deliverables	DTM, Land products, GIS layers, bathymetric maps, etc.		
Funding Req.	No funding from GEOSEC (Funding from international and national development Aid)		
Relation	Task 1 & 2		



Indian Ocean Tsunami Warning System(IOC report)1/3

- **Joint operation of international networks** of detection connected with national tsunami warning centres
- **UN governance** provided under IOC
- **Each nation** is responsible for issuing warnings in their territories
- **National centres** have strong links with emergency preparedness authorities



Indian Ocean Tsunami Warning System(IOC report)2/3

- A **single system** being planned
- **All countries** of the Indian ocean participate
- Tsunami advisory information provided from **centres in Hawaii and Tokyo**
- **National focal points** designated in 14 nations
- **Governance of UN/IOC** accepted in Paris International Coordination mtg
- **Multi-nation(27)** and **multi-year (>3)**
- **Joint Un implementation:** IOC,WMO, ISDR, UNDP



Indian Ocean Tsunami Warning System(IOC report)3/3

- **Implementation** based on existing seismographic and sea-level networks
- **Sea-level GLOSS** network being upgraded
- **Communication channels** provided through existing operators (GTS of WMO)
- **Plans for full-fledged system:** technical group convened
- **Interim solution** will be operating in October or before
- **Planning for the extension** to Global coverage: Caribbean region, South Pacific, South China Sea, Mediterranean Basin

2005

Feb. Mar Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.

★
EOS-III
16 Feb.

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★
GEO-I
3-4 May

★
GEO-II

▲
WPT 1st Mtg.
at WMO

▲
WPT Report
at GEO-I

▲
Release of
2005 Activities

▲
WP V0

▲
WP V1

▲
WP V2

▲
Approval
of WP at
GEO-II

● — Preparation of 2005 Activities

● — Monitoring/coordination of 2005 Activities

● — Preparation of 2006 Work Plan

▲
New secretariat
staffs arrive