



# **Towards a New Phase of GEOSS Implementation :**

## **The GEO 2009-2011 Work Plan**





# Document 12

WORK PLAN MANAGEMENT (for information)

- I The New Work Plan
- II Evolving Role OF GEO Committees
- III Task Management

## **GEO 2009-2011 WORK PLAN**

### **1 A Transverse GEOSS**

### **2 The 9 GEOSS Societal Benefit Areas**

APPENDIX A: GEO COMMUNITIES OF PRACTICE

APPENDIX B: ACRONYMS

**Submitted for “Acceptance as a Living Document”**



## Work Plan – What is it?

Agreed framework for implementing the GEOSS  
10-Year Implementation Plan (2005-2015)

Set of practical Tasks carried out by various  
GEO Members and Participating Organizations

Living Document – Annually updated



## 2009-2011 Work Plan – How did it come about?

- Followed **recommendations** from GEO-IV **Plenary & Cape Town Ministerial Summit**
- Built upon **2007-2009 Work Plan**
- Driven by **6- and 10-year GEOSS Targets**
- Included **proposals & comments** made by **GEO community** and **Committees** over April-Oct 2008 – **3 rounds** of consultation incl. **technical & official reviews**



## ***Proposals made by GEO Community ?***



## ***New Proposals included in 2009-2011 Work Plan***

### ***Capacity Building – Individual & Infrastructure :***

- **IRI Institute on Climate Information for Health**
- **UN-SPIDER/GEO School on Space-based Solutions for Disaster Management**
- **CBERS/GEO Capacity Building Network**
- **Earth Observation Game for Youth**
- **GLOBE/GEO Climate Education Project**
- **Capacity for Non-technical Decision-makers**
- **User Oriented Workshops for Outreach**
- **GEONETCast Training**
- **SERVIR Expansion**
- **TIGER Phase 2**



## ***New Proposals included in 2009-2011 Work Plan***

### ***Health – Monitoring and Prediction Systems :***

- **Air Quality** Observations, Forecasting & Information
- Monitoring Plan for **Persistent Organic Pollutants (POPs)**
- Global Monitoring Plan for Atmospheric **Mercury**
- Globally Coordinated **Malaria** Warning System
- **Ecosystems, Biodiversity & Health: Decision-Support Tools and Research**



## ***New Proposals included in 2009-2011 Work Plan***

### ***Climate – Global Carbon Observation System :***

- **Forest Carbon Tracking**
- **Global Monitoring of Greenhouse Gases from Space**
- **Forest Mapping and Change Monitoring**
- **Bio-geophysical, Soil & Land Surface Data**



## ***New Proposals included in 2009-2011 Work Plan***

### ***Water – Resource Management :***

- Forecasting & Warning Systems for **Droughts and Floods**
- **Soil Moisture**
- **Runoff**
- **Groundwater**
- **Precipitation**
- **Water Cycle Data Integration**
- **Water Discovery and Quality Assessments**



## ***New Proposals included in 2009-2011 Work Plan***

### ***Ecosystems – Vulnerability to Global Change :***

- Vulnerability of **Sea Basins**
- Vulnerability of **Mountain Regions**
- Implication of global change for **Tourism**
- Impact of **Transport Infrastructure Development**
- Global Road and **Human Settlements Mapping**
- Socio-economic and **Demographic Global Data**



## ***Recommendations made by GEO-IV ?***



## Recommendations from GEO-IV ? *Contents*

Build on **x-cutting** dimension of GEOSS across:

- **Societal benefit areas** (Disasters, Health, ...)
- **Transverse areas** (Architecture, Data, User, CB)
- **System-type** (observing, prediction, information)

Enhance **data sharing & distribution**

Foster development of **GEOSS information**  
(products, services) and **delivery of benefits**



## Recommendations from GEO-IV ? *Structure*

Consolidate 2007-09 Work Plan Tasks into smaller number of strategic Tasks to:

- Improve coordination
- Foster linkages
- Ensure continuity



# **2009-2011 Work Plan**

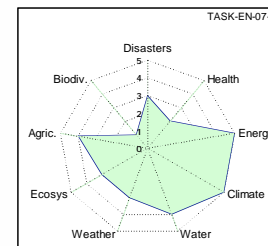
## **What's new?**



## 2009-2011 Work Plan – What's new?

- (1) **Two-part** structure
- (2) Major **consolidation** of activities
- (3) Stronger « **user-driven** » approach

+ Overview of **Task cross-cutting dimension**  
(spider-web diagrams)





# (1) Two-Part Structure

## **1 A TRANSVERSE GEOSS (*GEOSS Fundamentals*)**

ARCHITECTURE

DATA MANAGEMENT

CAPACITY BUILDING

SCIENCE AND TECHNOLOGY

USER ENGAGEMENT

## **2 THE 9 GEOSS SOCIETAL BENEFIT AREAS (*GEOSS for Society*)**

DISASTERS

HEALTH

ENERGY

CLIMATE

WATER

WEATHER

ECOSYSTEMS

AGRICULTURE

BIODIVERSITY



## (2) Major Consolidation of Activities

The 2009-2011 Work Plan:

- Introduces strategic **overarching objectives/Tasks**
- **Links** relevant 2007-2009 activities
- Ensures **continuity**

This leads to **42 overarching Tasks** that help:

- Promote **synergies & cross-fertilization**
- Move Work Plan to more **strategic level**
- Provide platform for **monitoring progress – Targets**
- Highlight **key lines of GEOSS implementation**



## Management of Overarching Tasks (& sub-tasks)

### Implementation

**Task Teams** created at **sub-task level** (activities within single overarching Task often too advanced or too different to be implemented by single Task team)

### Coordination between sub-tasks

- **Committees**
- **Communities of Practice**
- Supported by GEO Secretariat

To foster **interactions** & ensure that overarching Tasks move **forward in coherent** manner



## (3) User-Driven Approach

2009-11 Work Plan builds on **IGOS transition** into GEO:

IGOS **Themes** (Atm Chemistry, Carbon, Geohazards, Coastal, Cryosphere, Land, Water) evolving into **Communities of Practice** (see Appendix A)

Transition boosts efforts to:

Strongly **engage users** with **GEOSS implementation**

Building on work of **User Interface Committee**



# 2009-2011 Work Plan

## Update ?



# 2009-2011 Work Plan – Living Document

Annually updated

In 2009, update will be particularly important

Will take full account of work on:

- Strategic Targets
- Monitoring & Evaluation Framework

Reconciliation Meeting

Planned for March 2009

(pending on GEO-V Recommendation)



<http://www.earthobservations.org>