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?


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)