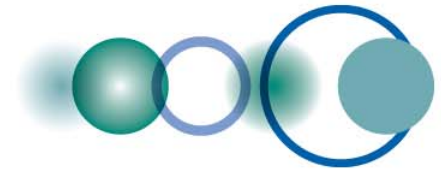


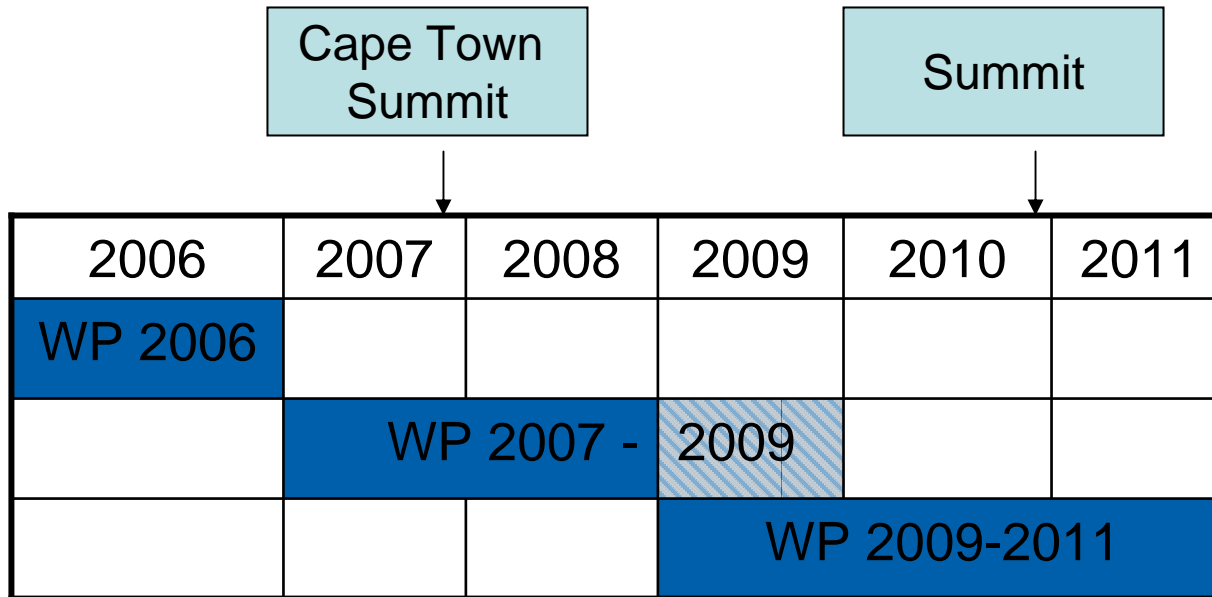
GEO 2009-2011 Work Plan

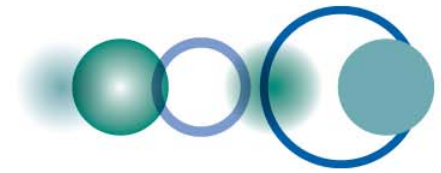
**User Interface Committee
Sophia Antipolis, France
26-27 February 2009**





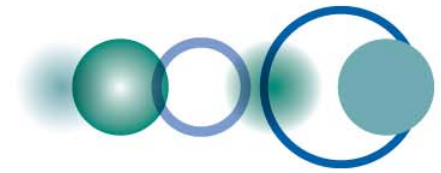
GEO Work Plan History





2009-2011 Work Plan

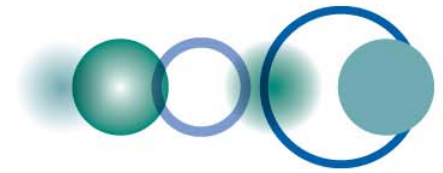
- Followed recommendations from GEO-IV Plenary & Cape Town Ministerial Summit
- Built upon 2007-2009 Work Plan
- Driven by 6-yr and 10-yr GEOSS Targets
- Includes GEO community and Committees comments
 - 3 rounds of consultation incl. technical & official reviews



GEO-IV Recommendations

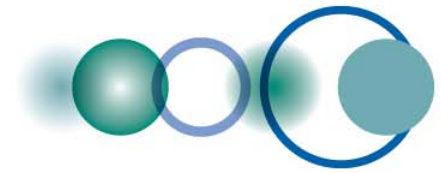
Content

- **Build on cross-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**



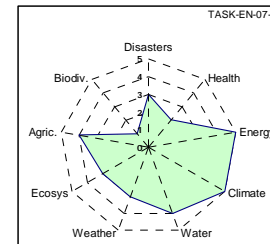
GEO-IV Recommendations Structure

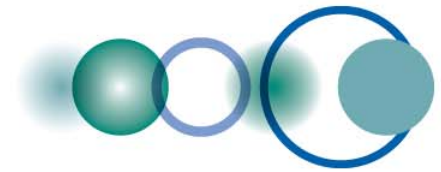
- Consolidate 2007-09 Work Plan Tasks into smaller number of strategic Tasks:
 - Improve coordination
 - Foster linkages
 - Ensure continuity



2009-2011 Work Plan

- (1) Two-part structure
 - (2) Major consolidation of activities
 - (3) Stronger « user-driven » approach
- + Overview of Task cross-cutting dimension
(spider-web diagrams)





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

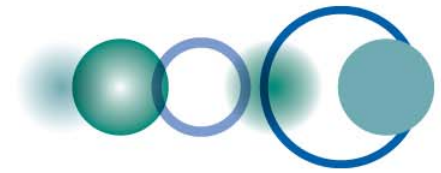
WATER

WEATHER

ECOSYSTEMS

AGRICULTURE

BIODIVERSITY



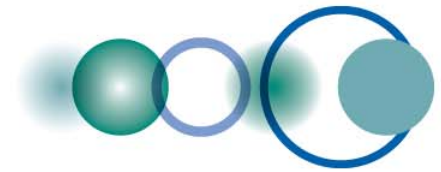
Major Consolidation of Activities

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



Overarching Tasks

Part 1 : A TRANSVERSE GEOSS

1.1 ARCHITECTURE

AR-09-01: GEOSS Common Infrastructure (GCI)

AR-09-02: Interoperable Systems for GEOSS

AR-06-01: Radio Frequency Protection

CB-06-04: Dissemination and Distribution Networks

1.2 DATA MANAGEMENT

DA-06-01: GEOSS Data Sharing Principles

DA-09-01: Data Management

DA-09-02: Data Integration and Analysis

DA-09-03: Global Data Sets

1.3 CAPACITY BUILDING

CB-09-01: Resource Mobilization

CB-09-02: Building Individual Capacity in Earth Observations

CB-09-03: Building Institutional Capacity to Use Earth Observations

CB-09-04: Capacity Building Needs/Gap Assessment

CB-09-05: Infrastructure Development and Technology Transfer

1.4 SCIENCE AND TECHNOLOGY

ST-09-01: Catalyzing R&D Funding for GEOSS

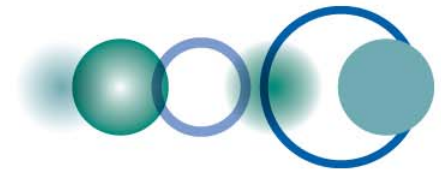
ST-09-02: Promoting Awareness and Benefits of GEO in the S&T Community

1.5 USER ENGAGEMENT

US-09-01: User Engagement

US-09-02: Socio-Economic Indicators

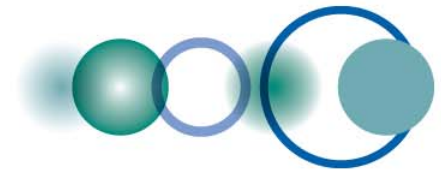
US-09-03: Cross-cutting Products and Services



UIC Tasks included in 2009-2011 Work Plan

US-09-01: User Engagement

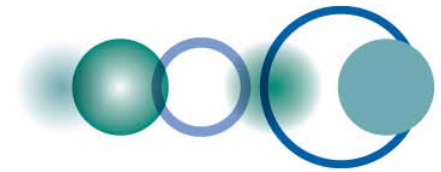
- a) Identifying Synergies between Societal Benefit Areas
Sub-task is led by USA (EPA, NASA, Ifriedl@nasa.gov)
- b) Communities of Practice and Partnership Development
Sub-task is led by USA (EPA, foley.gary@epamail.epa.gov)
and IAG



UIC Tasks included in 2009-2011 Work Plan

US-09-02: Socio-Economic Indicators

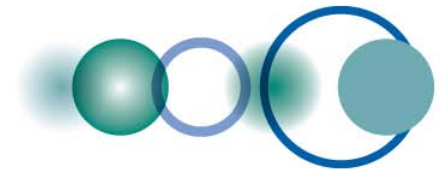
- a) Socio-Economic Benefits of GEO and GEOSS
Sub-task is led by IIASA (oberstei@iiasa.ac.at)
- b) Socio-economic and Demographic Global Data
Sub-task is led by UNECA (ezigbalike.uneca@un.org)
- c) Global Road and Human Settlements Mapping on GEO Grid
Sub-task is led by Japan (AIST, iwao.koki@aist.go.jp) and ICSU



UIC Tasks included in 2009-2011 Work Plan

US-09-03: Cross-Cutting Products and Services

- a) Development of Global Map for GEOSS Societal Benefit Areas
Sub-task is led by Japan (GSI, fukushima@gsi.go.jp) and ISCGM
- b) Forest Mapping and Change Monitoring
Sub-task is led by USA (NASA, USDA Forest Service, USGS), GTOS (GOFC-GOLD) and FAO (mette.loychewilkie@fao.org), and supported by the Forest Community of Practice
- c) Bio-geophysical, Soil & Land Surface Data
Sub-task is led by EC (e-SOTER, vincent.vanEngelen@wur.nl), USA (NASA) and WCRP
- d) Global Phenology Data
Sub-task is led by Austria (ZAMG, elisabeth.koch@zamg.ac.at) and USA (NPN, University of Wisconsin)



Overarching Tasks

Part 2: THE 9 GEOSS SBAs

2.1 DISASTERS

DI-06-09: Use of Satellites for Risk Management

DI-09-01: Systematic Monitoring to Support Geohazards Risk

DI-09-02: Multi-Risk Management and Regional Applications

DI-09-03: Warning Systems for Disasters

2.2 HEALTH

HE-09-01: Information Systems for Health

HE-09-02: Monitoring and Prediction Systems for Health

HE-09-03: End to End Projects for Health

2.3 ENERGY

EN-07-01: Management of Energy Sources

EN-07-02: Energy Environmental Impact Monitoring

EN-07-03: Energy Policy Planning

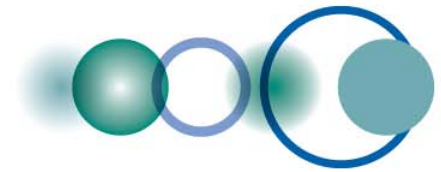
2.4 CLIMATE

CL-06-01: A Climate Record for Assessing Variability and Change

CL-09-01: Information for Decision-making & Risk Management

CL-09-02: Sustained Observing Systems

CL-09-03: Global Carbon Observation & Analysis System



Overarching Tasks

2.5 WATER

WA-06-02: Droughts, Floods and Water Resource Management

WA-06-07: Capacity Building for Water Resource Management

WA-08-01: Integrated Products for Water Research

2.6 WEATHER

WE-06-03: TIGGE & Global Interactive Forecast System

WE-09-01: Capacity Building for High-Impact Weather Prediction

2.7 ECOSYSTEMS

EC-09-01: Ecosystem Observation and Monitoring Network (EcoNet)

EC-09-02: Ecosystem Vulnerability to Global Change

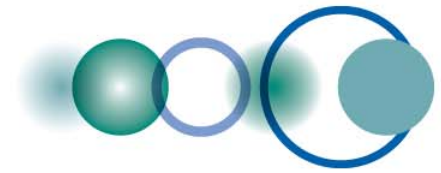
2.8 AGRICULTURE

AG-06-02: Data Utilization in Fisheries and Aquaculture

AG-07-03: Global Agricultural Monitoring Risk Management

2.9 BIODIVERSITY

BI-07-01: Biodiversity Observation Network (GEO BON)



Management of Overarching Tasks

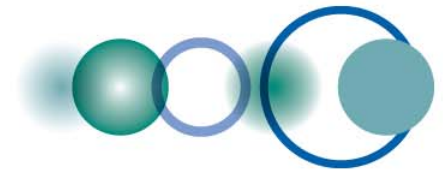
Implementation

Task Teams created at sub-task level

Coordination between sub-tasks

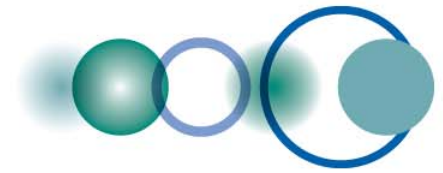
- Committees
- Communities of Practice
- GEO Secretariat

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



User-Driven Approach

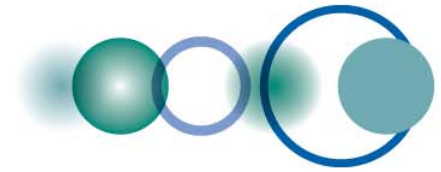
- Builds on IGOS-P transition into GEO
- IGOS Themes evolving into Communities of Practice
 - Atm Chemistry, Carbon, Geohazards, Coastal, Cryosphere, Land, Water
- Strongly engage users with GEOSS implementation
- Building on work of User Interface Committee



2009-2011 Work Plan

Living Document

- Annually updated
- Strategic Targets
- Monitoring & Evaluation Framework
- Reconciliation Meeting Planned for 30 March – 1 April 2009



2009-2011 Work Plan

Discussion

What it is expected from UIC?

- Plenary 2009 (~08 months):
 - a progress report of US-09-01, 02 and 03 (nine sub-tasks)
 - Call for Proposals: selected projects (with funding prospects?)
 - a user-driven UIC Web Portal???
- Summit 2010 (~20 months):
 - a showcase of one or more application-focused outcomes where the UIC-added value is evident