

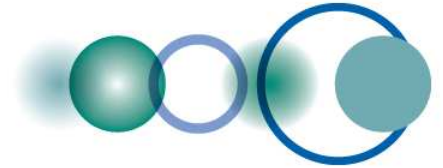
## ***GEO Capacity Building Committee 11<sup>th</sup> Meeting***

**ITC, Enschede, The Netherlands  
21-22 January 2010**

# **Outcomes of the GEO-VI Plenary**

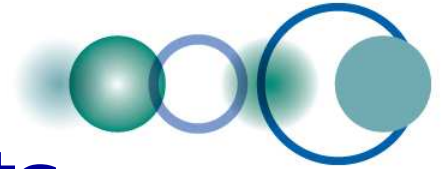
**Alan EDWARDS  
EUROPEAN COMMISSION  
Research Directorate General  
Environment - RTD.I  
Management of Natural Resources – RTD.I.4**





# Outline

- **Strategic Targets**
- **Monitoring and Evaluation (M&E)**
- **GEOSS Common Infrastructure**
- **Data Sharing Principles**
- **AIP-3**
- **2010 GEO Ministerial**  
**(This will be fully addressed in a later agenda item)**

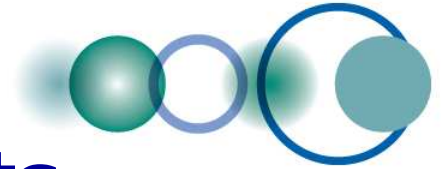


# GEOSS Strategic Targets

## GEO-VI Accepted the Updated Strategic Targets

These targets will:

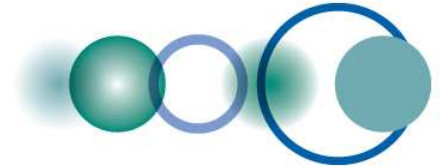
- form the link between the negotiated text of the GEOSS 10-Year Implementation Plan and the text of the 2009-2011 GEO Work Plan;
- will facilitate the construction of a GEOSS Roadmap which maps the Work Plan tasks onto the targets, **(work carried out by the CBC);**
- and will connect to the emerging framework for GEOSS monitoring and evaluation.



# **GEOSS Strategic Targets**

## **“GEO Hierarchy”**

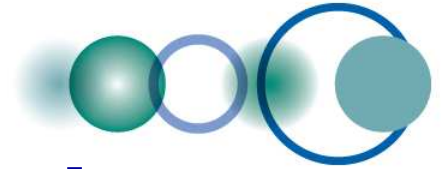
- **GEOSS 10-Year Implementation Plan**
- **Definition of GEOSS**
- **GEOSS Vision and Purpose**
- **Strategic Goals of GEO in Support of GEOSS**
  - Build the capacity of individuals, institutions & infrastructures to benefit from and contribute to GEOSS, particularly in dev. countries.
- **GEOSS Strategic Targets**  
  
**which then guide /facilitate**
  - **2009-2011 GEO Work Plan**
  - **Monitoring & Evaluation Framework**
  - **GEOSS Roadmap**



## Capacity Building Strategic Target

**Before 2015, GEO aims to:**

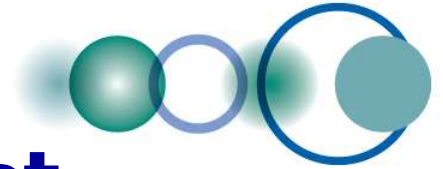
- **Enhance the coordination of efforts to strengthen individual, institutional and infrastructure capacities, particularly in developing countries, to produce and use Earth observations and derived information products.**



## Capacity Building Target

### ***This will be achieved through:***

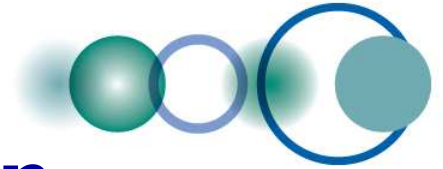
- working with and building on the capacity building efforts of GEO Members and Participating Organizations to further increase the synergies and effectiveness of national and international capacity building programmes;
- ensuring the engagement and committed involvement of resource providers in the GEO capacity building process;
- enhancing capacity building efforts to ensure the integration of mature Earth observation based information systems into day by day end-user practices including decision making, management processes and planning for all SBAs.



## Capacity Building Target

### ***This will be demonstrated by:***

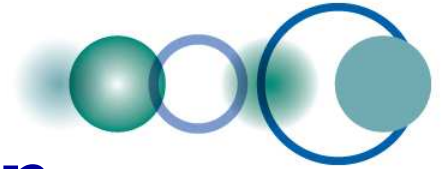
- Networking activities that specifically build individual, institutional and infrastructure capacity.
- Leveraging resources for Earth observation capacity building efforts.
- Uptake Increased use of Earth observation in policy and decision making.
- Enhanced participation of developing countries in GEO and GEOSS.



# Monitoring & Evaluation

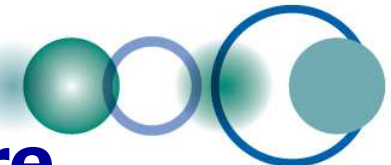
## **GEO-VI Accepted:**

- **GEOSS Monitoring and Evaluation framework**
- **GEOSS Summary Plan for the First Evaluation**  
(based upon 2007 Cape Town Ministerial Declaration)
- The **M&E Working Group**, according to its Terms of Reference, will be responsible for design and coordination of the M&E process
- The **GEO Secretariat** will perform the monitoring of the progress of GEOSS implementation
- An **Evaluation Team** will perform evaluations of the GEOSS implementation



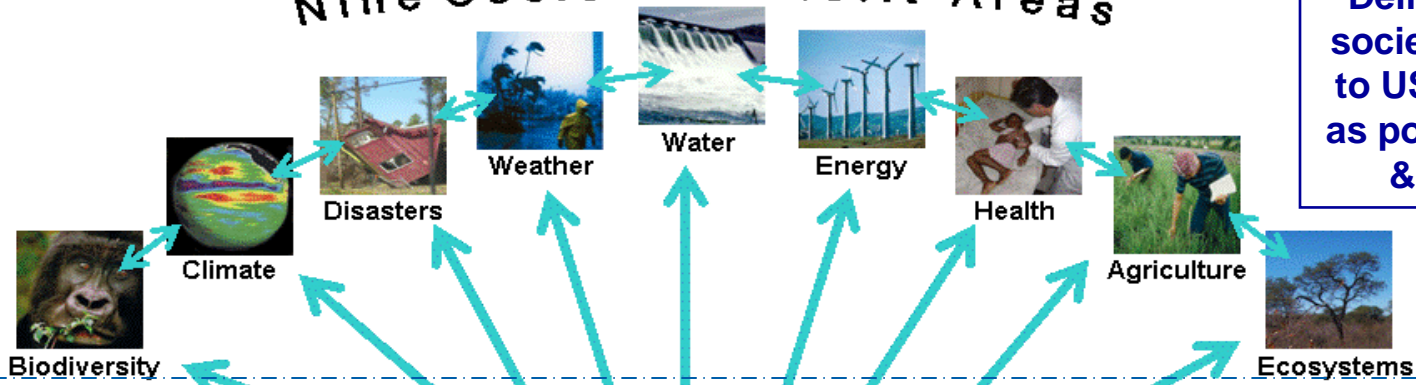
# Monitoring & Evaluation

- The purpose of **monitoring** is to **track the progress of the completion of the tasks in the GEO Work Plan**, and to measure overall organizational progress in terms of “performance indicators” developed by the M&E WG.
- The purpose of the **evaluation** is to inform improvement of GEOSS implementation by conducting the assessment **of the progress towards achieving GEOSS strategic targets**, including intended outputs and outcomes of the specific Task activities and taking also account of other contributing activities.



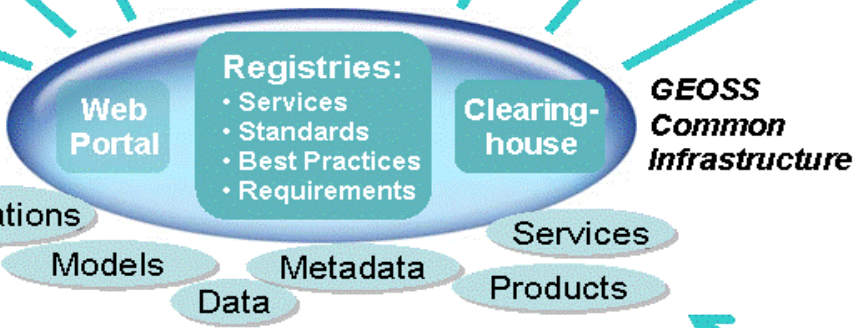
# GEOSS Common Infrastructure

## Nine Societal Benefit Areas

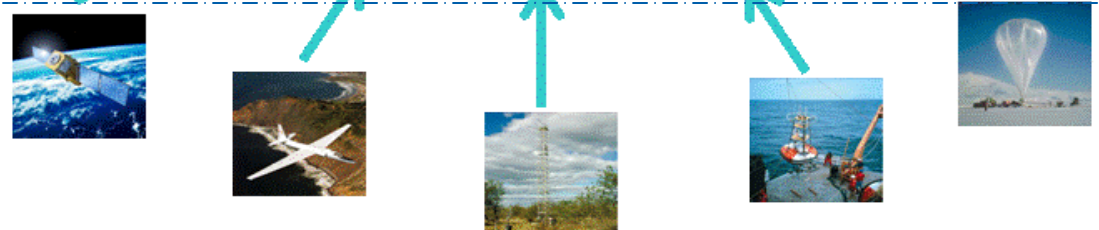


**Delivers major societal benefits to USERS, such as policy makers & citizens**

- Provides improved interoperability**
- Delivers trusted data & information**
- Is "Open", in accordance with DSP**



**Enables GEOSS resources to be readily discovered and accessed**

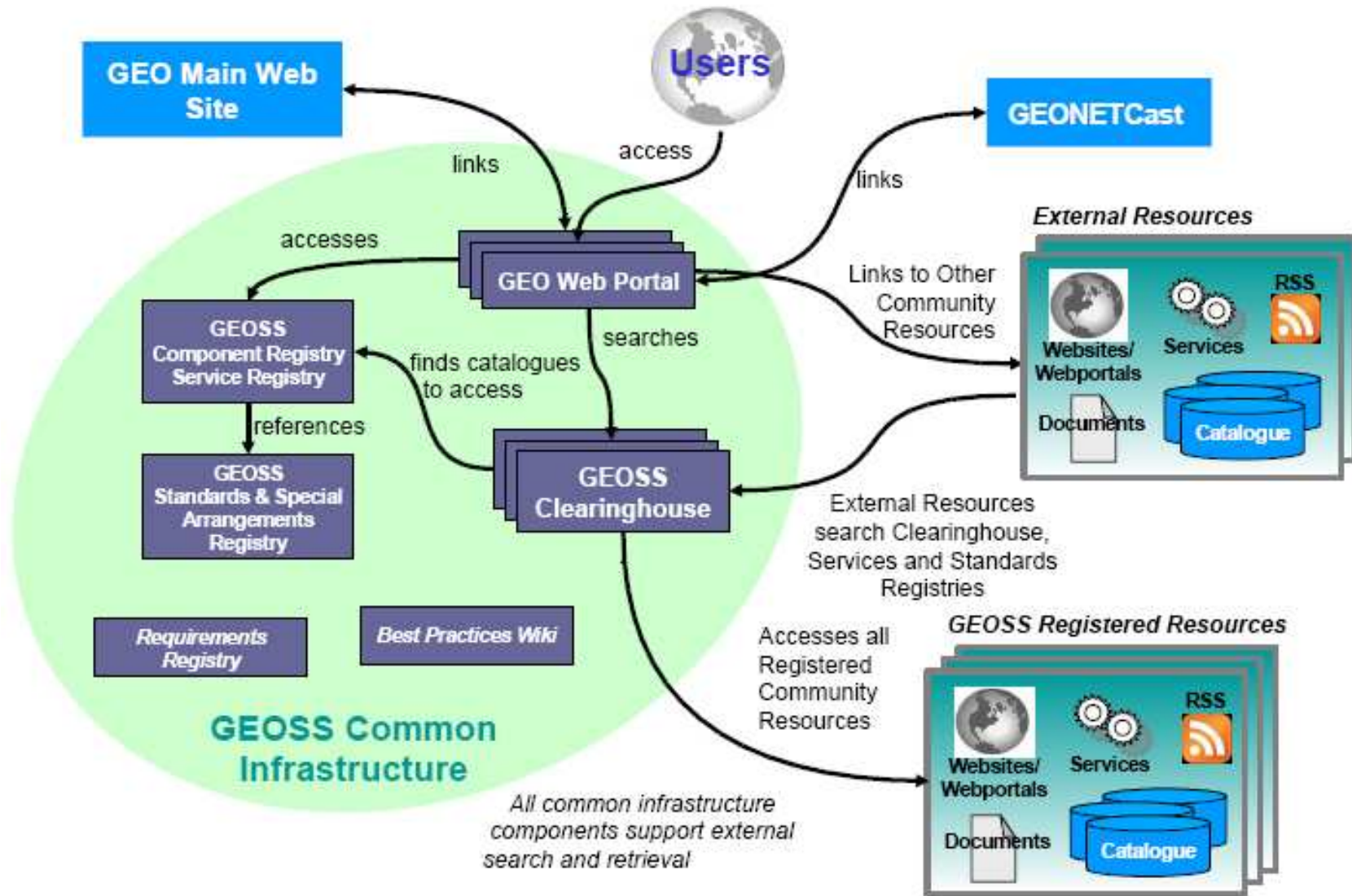


## Earth Observations

**Represents a COLOSSAL investment by GEO Members & PO in EO systems**



# GEOSS Common Infrastructure Operational View





# **GEOSS Common Infrastructure**

- **GEO-VI Accepted Recommendations 1, 2, 3, 5, 6 & 8 of the GEOSS Common Infrastructure Report and Recommendations for Long Term Operations**
- **GEO-VI did not fully accept Recs. 4 and 7.**



# GEOS Common Infrastructure

- Rec. **One**: GEO Commitment to an Operational GEOS Common Infrastructure
- Rec. **Two**: Component Providers Commitment to an Operational GEOS Common Infrastructure
- Rec. **Three**: Adoption of GCI Core Principles
- Rec. **Five**: Facilitating the registration of high-quality GEOS content
- Rec. **Six**: Promotion of Interoperability within the GCI
- Rec. **Eight**: Establishment of a Single GEO Web Portal and a Single Clearinghouse



## GEOS Common Infrastructure

- Recommendation **Four**: Establishment of the GEOS Common Infrastructure Coordination Team (CT):
- **Team established, with request that the CT is to improve both the terms of reference and the GCI recommendations document and to then report to next Executive Committee.**
- Recommendation **Seven**: Establishment of a GCI Reserve Fund within the GEO Trust Fund:
- **Members and Participating Organisations asked for a better appreciation of the cost implications and the consequent obligations. The sustainability of the GCI should then be raised at the Ministerial Summit.**



# **GEOSS Data Sharing Principles**

## **GEO-VI Accepted the GEOSS Data Sharing Implementation Guidelines**

### **The proposed implementation guidelines aim to:**

- advance the practical application of the data sharing principles;
- enable the users of GEOSS to reuse and re-disseminate shared data, metadata, and products;
- ensure that the principles are implemented in a manner that is consistent with relevant international instruments and national policies and legislation;
- recognise that the pricing of GEOSS data, metadata and products should be based on the premise that the data and information within GEOSS is a public good for public-interest use in the nine societal benefit areas;
- reduce delays in making data available through GEOSS;
- and promote the use of GEOSS data, metadata, and products for research and education.



# **GEOSS Data Sharing Principles**

**The GEO-VI Plenary also instructed the Data Sharing Task Force to take the issues raised during Plenary into account when drafting the Data Sharing Action Plan, which will be prepared over the coming year and presented to the 2010 Ministerial.**

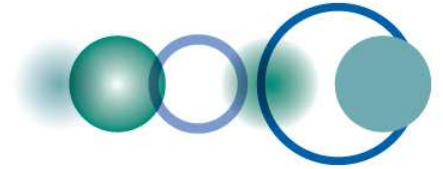
**These include: “data democracy” and related capacity building requirements.**



## Architecture Implementation Pilot-3

Initial planning for the third phase of the GEOSS Architecture Implementation Pilot (AIP-3) began as of November 2009.

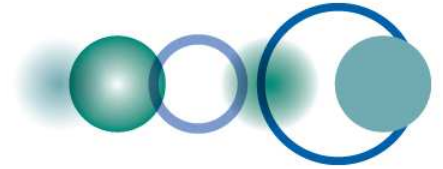
- **AIP-3 Summary**
- Build on service architecture of GCI and AIP-2
- Engage Communities of Practice (CoP)
- Focus on data; Promote content
  - Data Sharing Guidelines implementation
  - Coordination with ADC Data Tasks
  - Observables for EO, including registries and ontologies
- Schedule to support Ministerial Summit, November 2010



# Architecture Implementation Pilot-3

## Communities of Practice (CoP) Scenarios (to be confirmed)

- **Emergency Management**
- **Air Quality**
- **Biodiversity and Ecosystems**
- **Energy**
- **Hydrology and drought management**
- **Environmental Monitoring Water Quality**
- **Malaria**



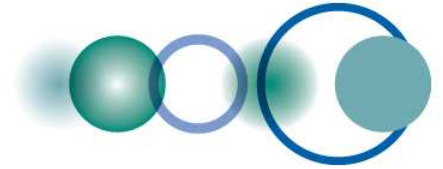
# Architecture Implementation Pilot-3

## AIP-3 Schedule - **not final**

- **Post AIP-3 Call For Participation - January 2010**
- **Responses to AIP-3 CFP - Early March 2010**
- **Kick-off Workshop (Europe) - Mid March 2010**
- **Demo Capture Workshop (US) - 2nd Half of 2010**
- **Ministerial Summit & GEO VII (China) – Nov. 2010**
- **Finalize AIP-3 deliverables - 2nd Half of 2010**
- **AIP-3 results transition to operations – End 2010**

Look for the CFP on: <http://www.ogcnetwork.net/node/620>

Also contact [gpercivall@opengeospatial.org](mailto:gpercivall@opengeospatial.org) for more info.



# 2010 GEO Ministerial Summit

## Essential elements:

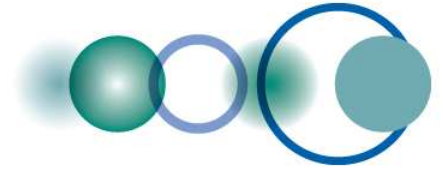
- **Mid-term assessment of GEOSS Implementation;**
- **Data Sharing Action Plan**
- **Ministerial Declaration**

And

- **Showcasing GEO achievements**

## These showcases might include:

- achievements that are regional in nature, (e.g. Asia Water Cycle),
- **one overarching achievement on capacity building,**
- achievements on high-profile issues (e.g. the global carbon monitoring system).



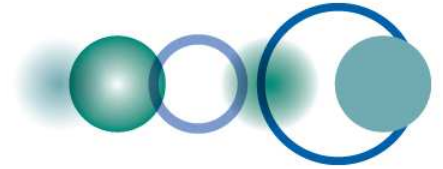
# **2010 GEO Ministerial Summit**

## **Showcasing GEO achievements**

**GEO 2010 Ministerial Task Force solicited recommendations for GEO achievements that can be showcased at the Beijing Ministerial.**

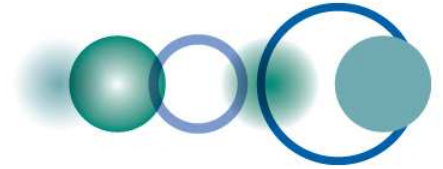
**Specifically, the Task Force requested that each Committee consult its members in order to propose a limited number of accomplishments that would be compelling for Ministers.**

**(Initial response requested by 11 January, with a follow-up by 25 January.)**



## **2010 GEO Ministerial Summit**

- **Preliminary response from CBC Co-Chairs**
- **The CBC fully supports the suggestion for a showcase on capacity building achievements.**
- **An outline proposal would be to build a Capacity Building showcase around the use of GEONETCast and other data / information delivery systems such as CBERS and SERVIR.**
- **Following the CB Strategy End-to-End (E-2-E) philosophy, it would demonstrate that GEO initiatives such as GEONETCast deliver data and info. from providers to users, who are then able to use the info. to provide local / national / regional services.**



## **2010 GEO Ministerial Summit**

- **Preliminary response from CBC Co-Chairs - continued**
- **In addition, a possible CB Ministerial showcase is just one part of the overall presentation of the CB work that has been undertaken in GEO.**
- **So in addition, there should also be a CB Pavilion in the GEO Ministerial Exhibition, to demonstrate the wider work of the GEO Community in the CB domain.**
- **The next meeting of the CBC takes place on 21-22 January 2010. Discussion of preparations for the GEO Ministerial will be a major item on the agenda**