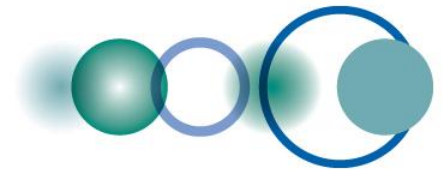


# The Group on Earth Observations – Status and Post 2015

**Osamu Ochiai**  
**GEO Secretariat**

**41<sup>st</sup> CGMS**  
**Tsukuba, Japan**  
**8-12 July 2013**



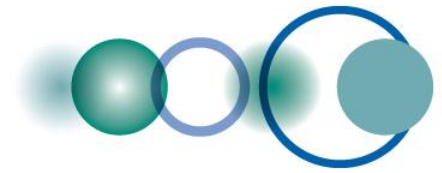


# The Group on Earth Observations (GEO)

## Earth Observation Summit

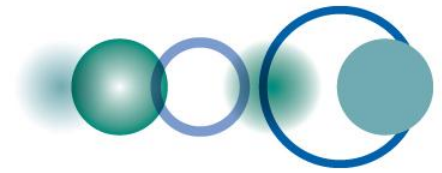


U.S. Department of State  
Washington DC  
31 July 2003



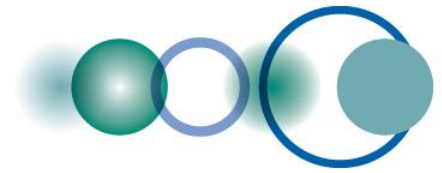
# **GEO Vision**

To realize a future wherein decisions and actions, for the benefit of humankind, are informed by coordinated, comprehensive and sustained Earth observations and information.



# GEO Vision

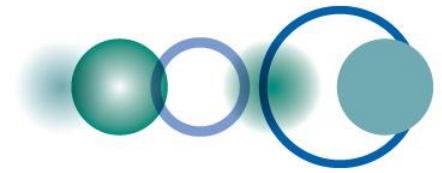
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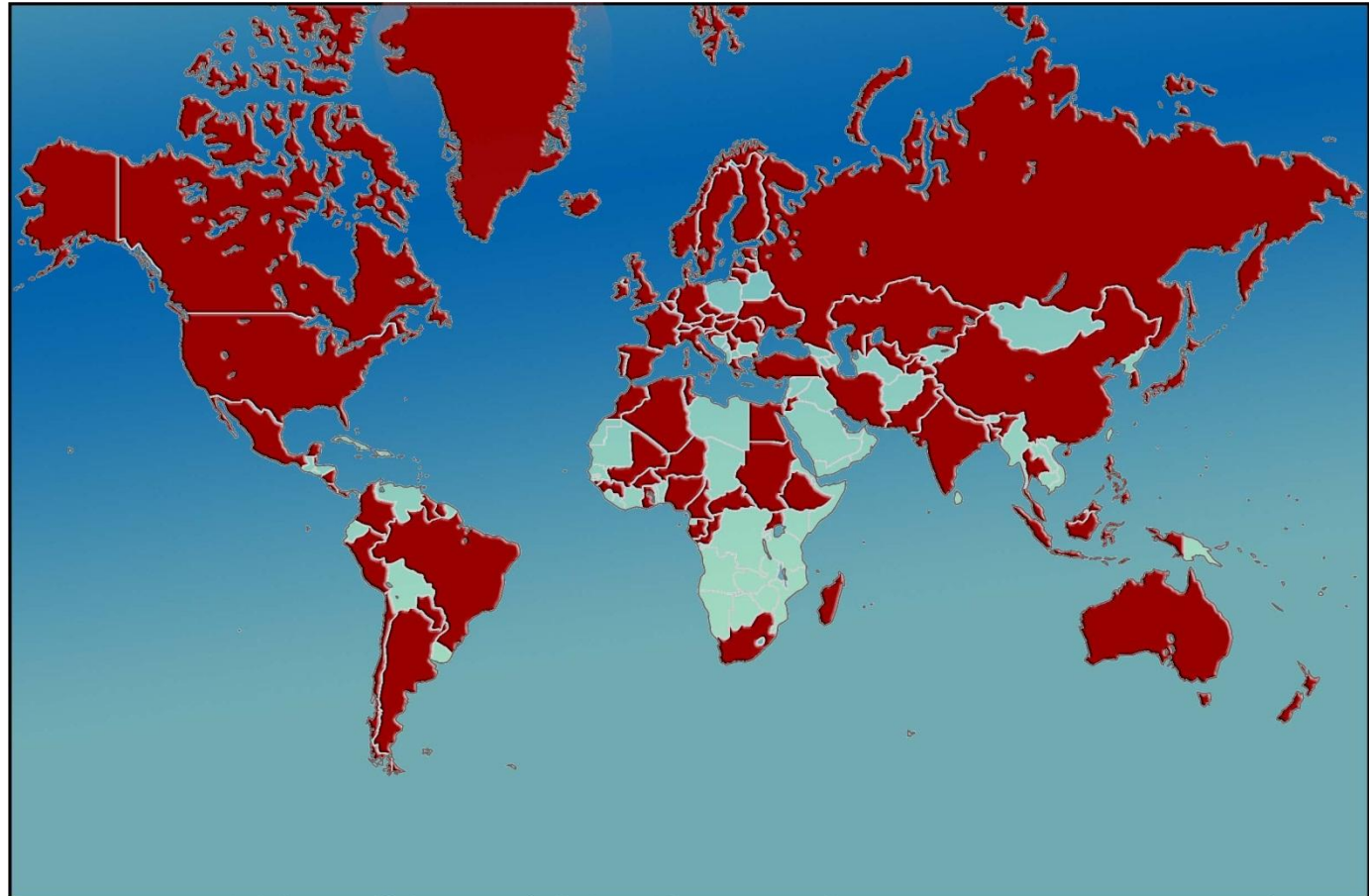
# GEO Objectives

- Improve and Coordinate Observation Systems
- Advance Broad Open Data Policies/Practices
- Foster Increased Use of EO Data and Information
- Build Capacity





**Created in 2005, to develop a coordinated and sustained  
Global Earth Observation System of Systems (GEOSS) to  
enhance decision making in nine Societal Benefit Areas  
(SBAs)**

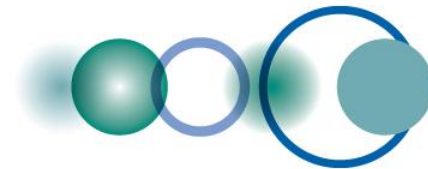


**GEO today:**

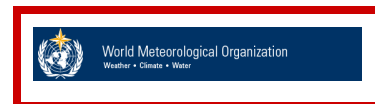
**90 Members**

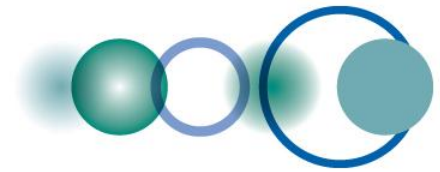
**67 Participating**

**Organizations**



# 67 Participating Organizations



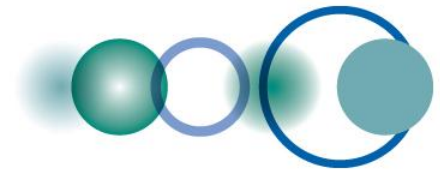


# A Global, Coordinated, Comprehensive and Sustained System of Observing Systems

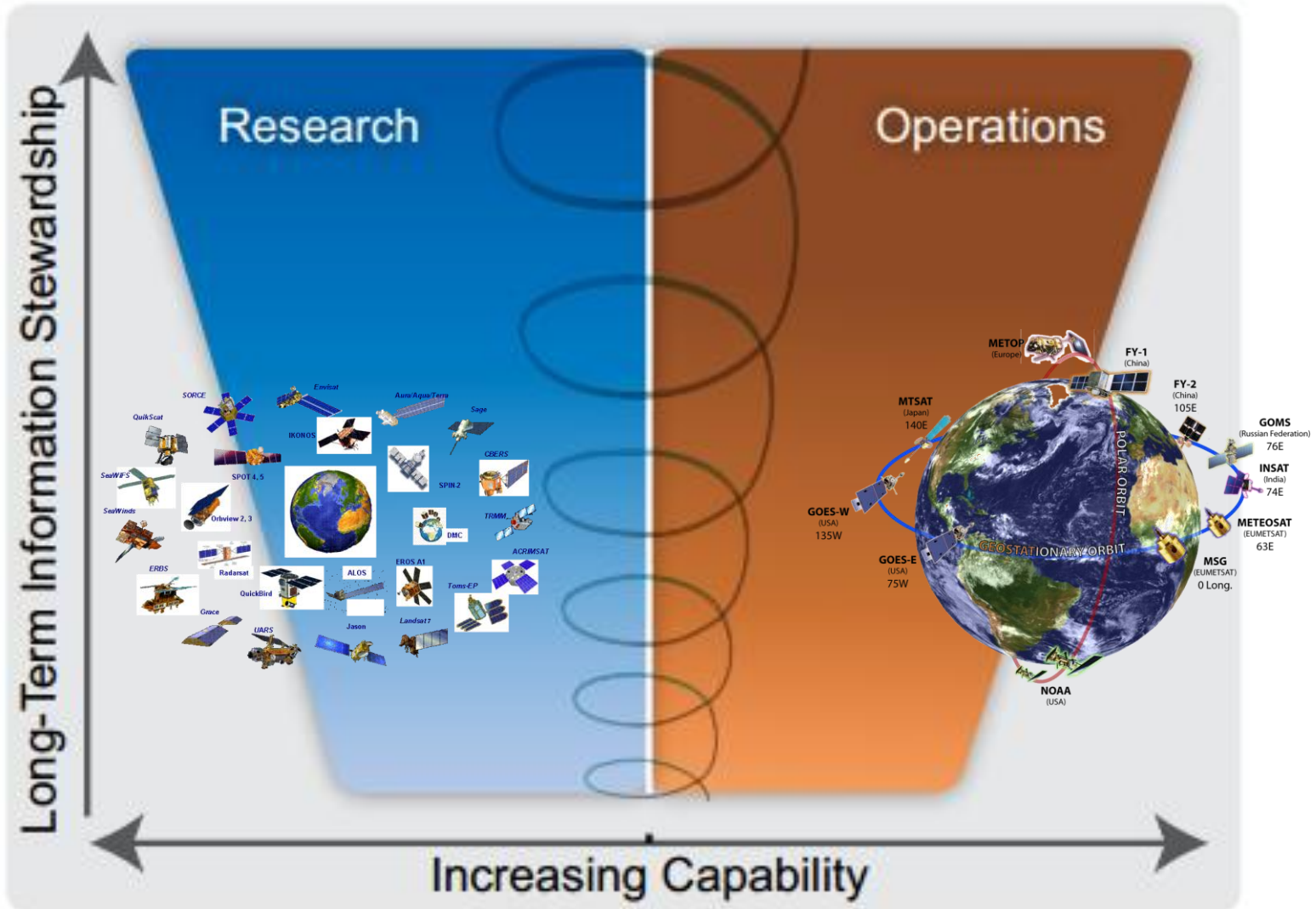
THE GLOBAL EARTH OBSERVATION  
SYSTEM OF SYSTEMS

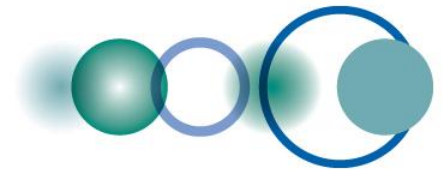






# GEO encourage to implement the Climate Architecture

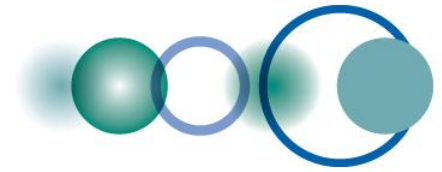




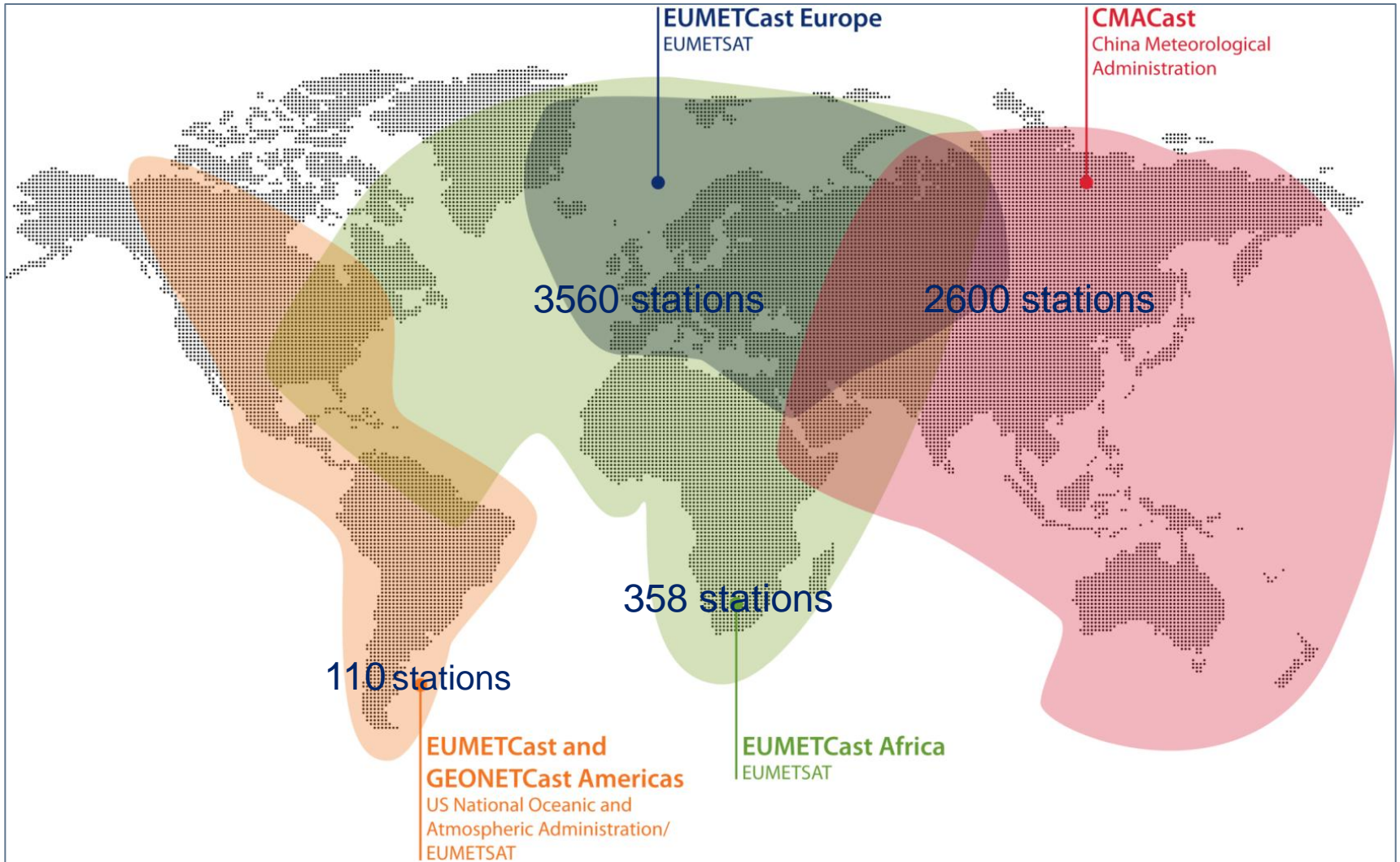
# GEOSS Implementation requires: *Data Sharing Principles*

- Full and Open Exchange of Data
- Data and Products at Minimum Time delay and Minimum Cost
- Free of Charge or Cost of Reproduction



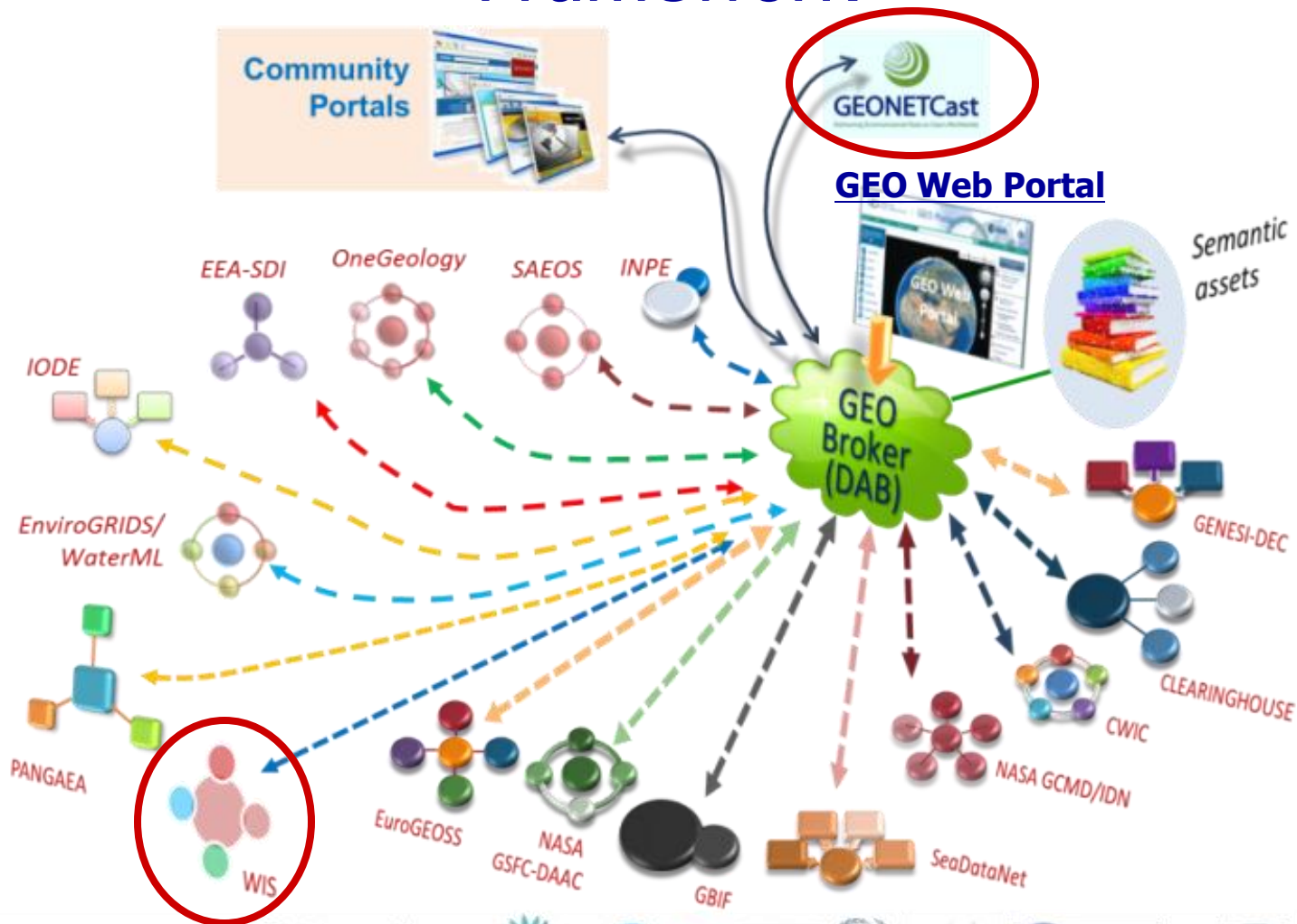
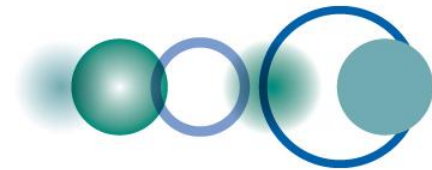


# GEONETCast

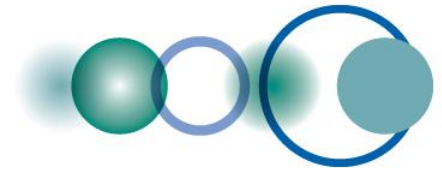




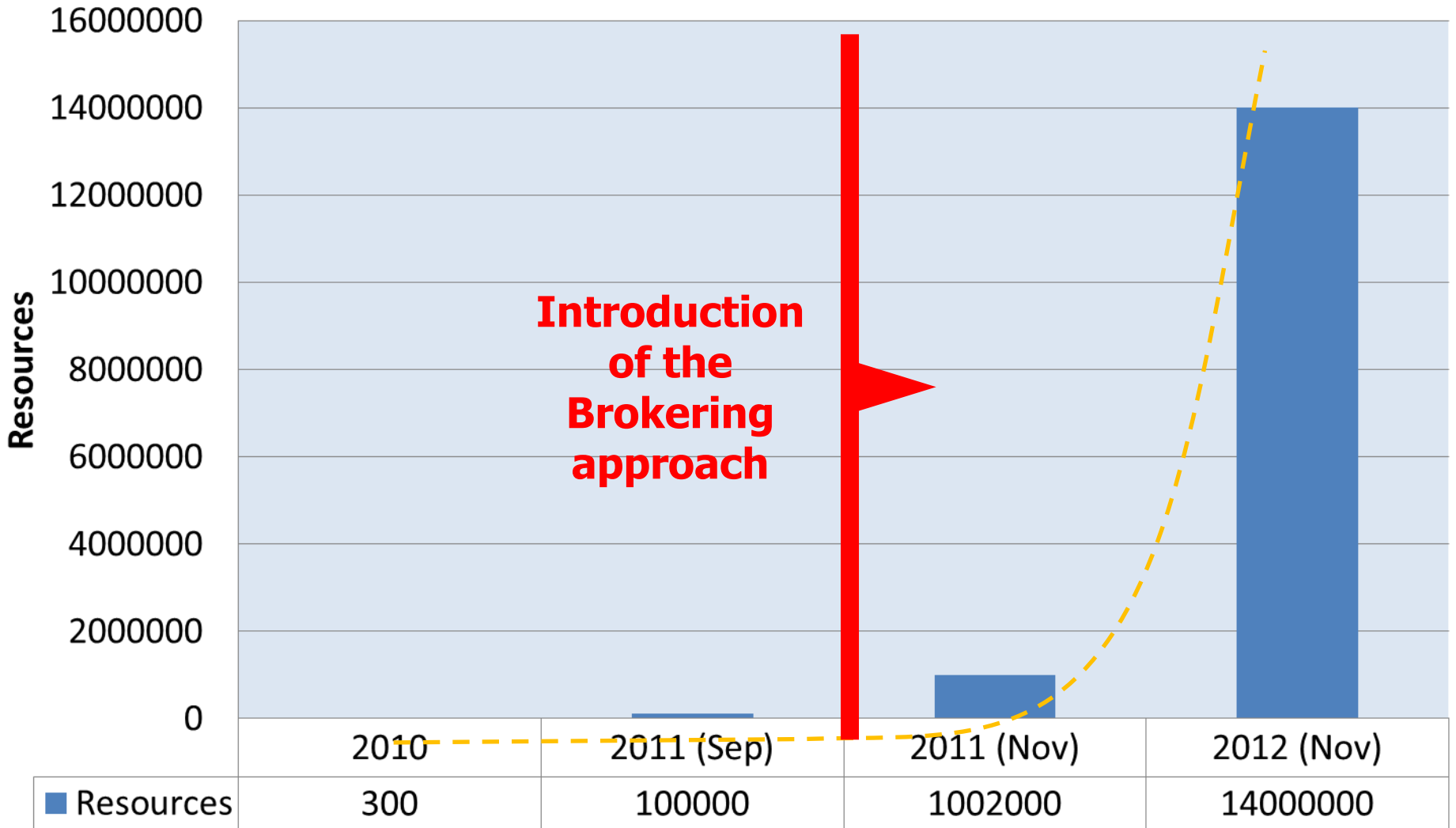
# GCI Brokering Framework







# GEOSS Resources





## **Recommendations for GEO post-2015** *(for acceptance by GEO-X Plenary)*

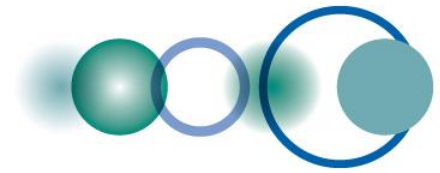
### **Recommendation 1: Continuation of GEO and GEOSS Implementation**

GEO and the implementation of GEOSS will be continued through 2025.

### **Recommendation 2: GEO Strategic Objectives**

Considering the increasing demand for Earth observations needed to address future challenges and inform Decision makers for managing the Earth's environment and resources in a sustainable way, GEO post-2015 will focus on these Strategic Objectives:

- **Coordinating Earth observations;**
- **Facilitating enhanced access to national, regional and global Earth observation data and information;**
- **Fostering global initiatives**



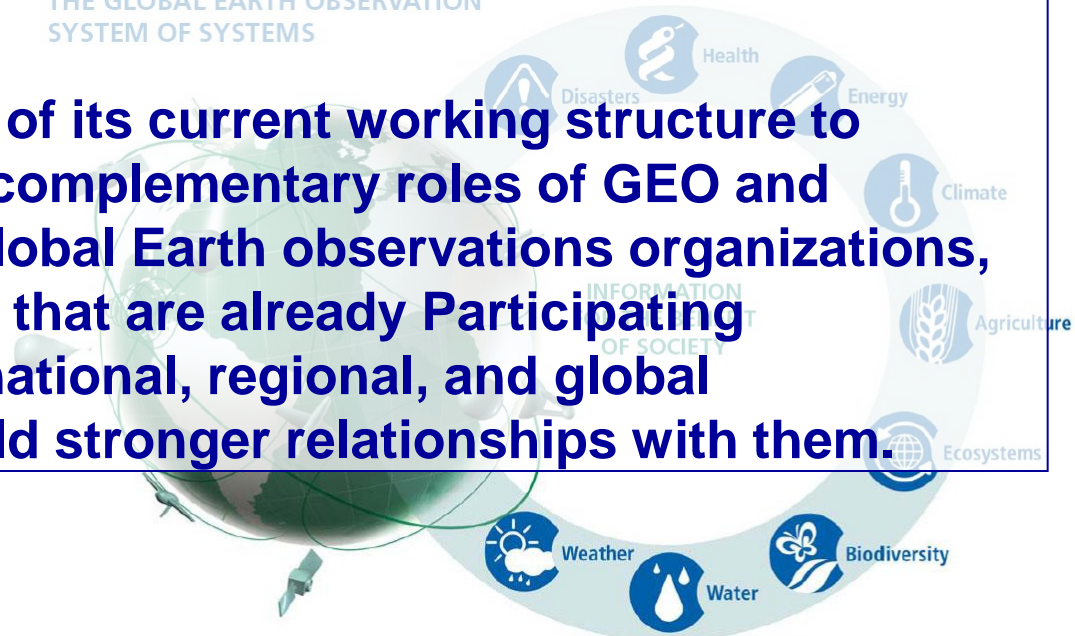
## Recommendation 3: Societal Challenges

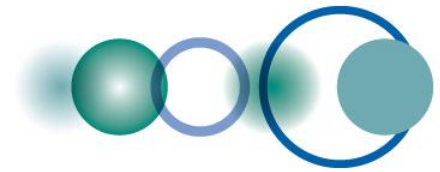
**GEO will maintain its current working structure around societal challenges, *initially referred to as the nine Societal Benefit Areas.***

**At the same time, GEO will also allow for the possibility of modifications, recognizing the cross-cutting and inter-related nature of these challenges and exploring linkages to sustainable development themes.**

THE GLOBAL EARTH OBSERVATION  
SYSTEM OF SYSTEMS

**GEO will also take advantage of its current working structure to identify the added-value and complementary roles of GEO and GEOSS in cooperation with global Earth observations organizations, especially those UN agencies that are already Participating Organizations, as well other national, regional, and global mechanisms, and seek to build stronger relationships with them.**



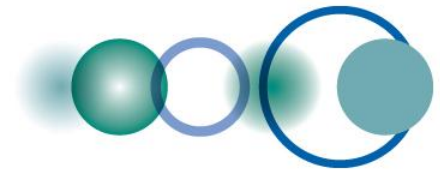


## **Recommendation 4:**

### **New Implementation Plan for GEOSS 2015-2025**

During the time span 2014-2015 a new Implementation Plan for GEOSS 2015-2025 will be developed, fully endorsing and extending the concepts in the current GEOSS 10-Year Implementation Plan for 2005-2015. The new Plan will take account of the GEOSS Strategic Targets agreed at GEO-VI in 2009, and will include the following elements:

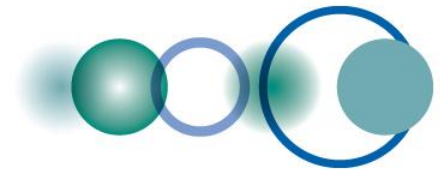




## Recommendation 4.1: GEO Core Functions:

To progress the Strategic Objectives of GEO, and build upon on its current activities, the resources and activities of GEO will be dedicated to the following Core Functions, in close cooperation with user communities:

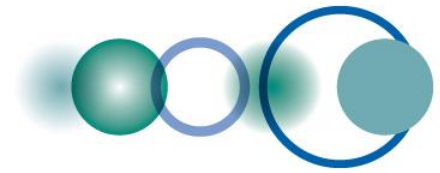
- **Strengthening observation systems** (space-based, airborne and particularly in-situ) and networks among observation systems;
- **Advancing interoperability and integration** of Earth observations;
- **Promoting the GEOSS Data Sharing Principles**;
- Building and sustaining an **information system that provides access to the data and products** of its Members and Participating Organizations;
- **Developing capacity** to collect and use Earth observations, and promoting regional GEOSS implementation;
- **Supporting research and development** of integrated applications of Earth observations;
- **Engaging with users and decision-makers**, to ensure a user-driven GEOSS.



## Recommendation 4.3:

### Engagement with Developing Countries

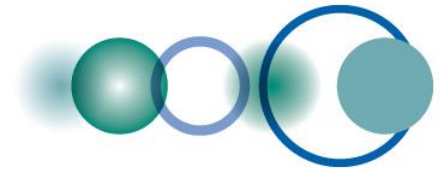
GEO will strengthen its engagement with developing countries in relation to sustainable development as well as regional cooperation. In particular, capacity building is critical for developing Members' active engagement in the implementation of GEOSS. Thus, GEO will assist countries and regions in increasing their capacity to acquire, share, store, maintain, and utilize space-based, airborne and in-situ Earth observation data that is available on a full and open basis in connection with GEO Data Sharing Principles. Relevant resources could be mobilized through partnerships with relevant governmental, non-governmental and multilateral development institutions to promote the advancement of Earth observation technologies and the further development of national and regional capacity to absorb and use these technologies.



## **Recommendation 4.5:**

### **Resources for GEO and GEOSS post-2015**

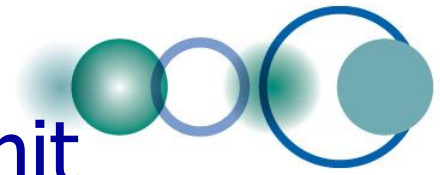
In general, the resourcing mechanisms for the implementation of GEOSS post-2015 will continue to rely on voluntary contributions. Based on this voluntary contribution principle, a specific and strengthened framework or mechanism for steady resource commitments to GEOSS, from both public and non-public sources, will be developed by 2016. This framework will enable sustaining the essential technical and administrative components of GEOSS in the period post-2015 (GEO Secretariat and GEOSS Information System). Additionally, this framework will include support mechanisms for improving participation of developing countries in GEO, and for developing of global initiatives as appropriate. In order to document global support to GEO and its added value, a dedicated registration system will be established to record resource contributions to the GEO Work Plan.



## Next Steps

- Recommendations and feedback from GEO Principals presented to 28th Executive Committee (July 2013)
- Final revisions (October 2013)
- Submission to Plenary for acceptance (January 2014)
- Geneva Ministerial Declaration will reference Recommendations (January 2014)





# The 2014 Ministerial Summit and the “GEO week”, 13 to 17 January 2014

- Centre International des Conférences in Geneva
- Ministerial Summit on 17 January
- GEO X Plenary meeting
- GEO Executive Committee meeting
- GEO Integration Boards meeting
- High level side events
- Exhibition, open to the public
- Availability of rooms for additional side events
  - On the preceding weekend 11 and 12
  - During the week (no overlap with Plenary meeting and Summit)

<http://www.earthobservations.org>

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