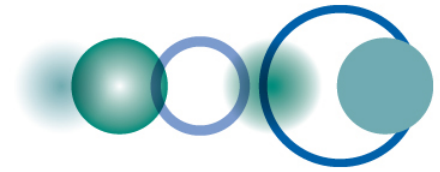


GEO overview

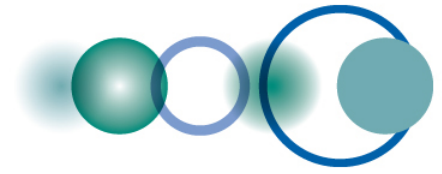
WGCadD-2 Meeting



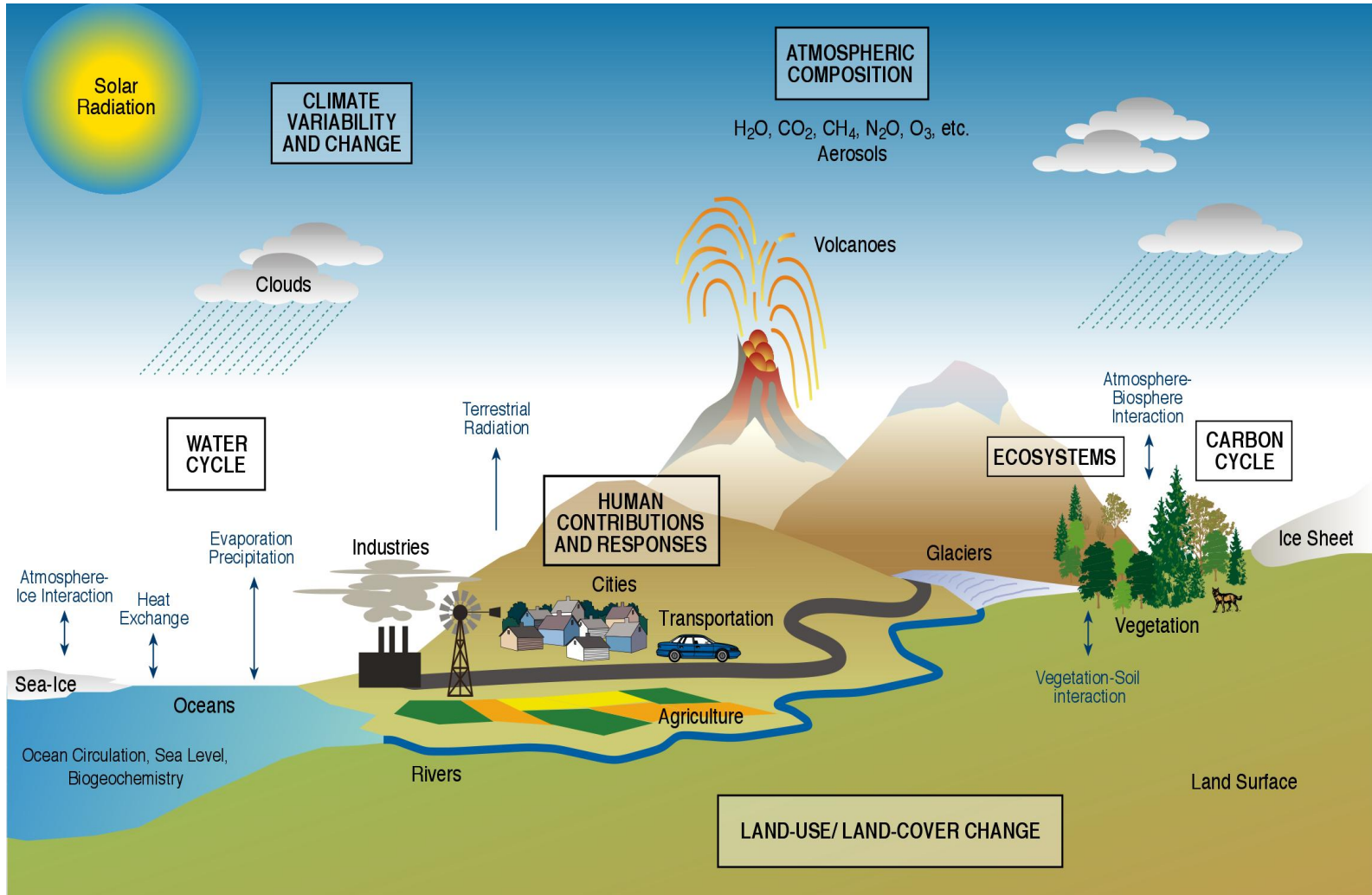


The origins of GEO...

- Johannesburg WSSD 2002 (RIO+10) called for a strengthened cooperation and coordination among Global Observations Systems and R&D programs for integrated global observations
- G8 held in Evian that called for strengthened international cooperation on global observation for the environment

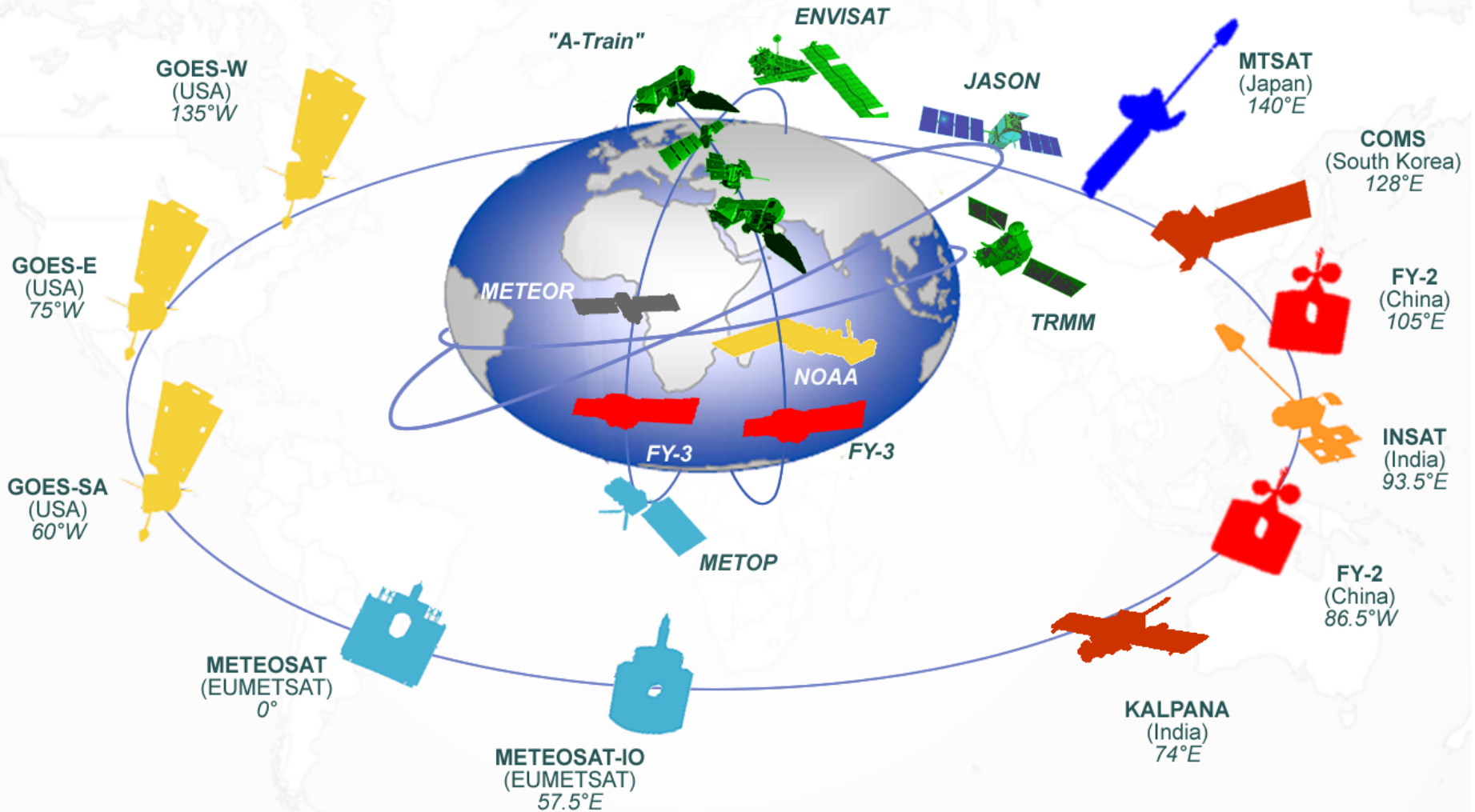


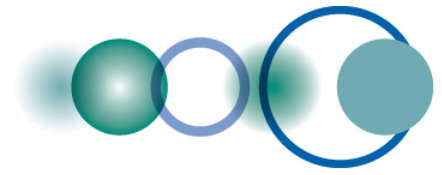
Our home is a system of systems

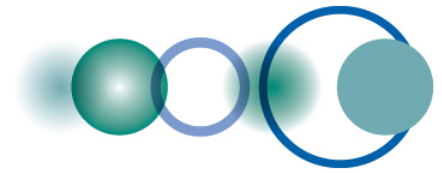




Space-based Assets







Earth Observation Summit in 2003

GEO emerges...



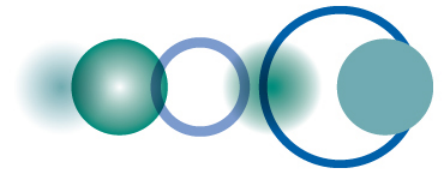
U.S. Department of State, Washington DC



EO summit opening statement by USA Secretary of State Colin Powell

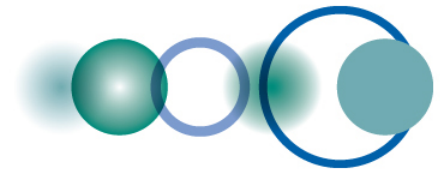
“An integrated earth observation system would vastly increase our store of knowledge and leverage billions of dollars of worldwide investment..”

...And also optimize the use
(a return) of the investment...



GEO vision in building GEOSS...

**...the use of coordinated,
comprehensive and sustained
Earth observations to inform
decisions and actions**



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

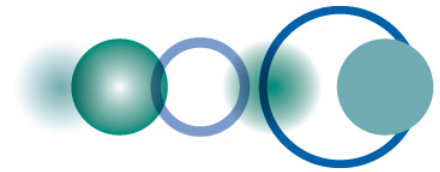
THE GLOBAL EARTH OBSERVATION
SYSTEM OF SYSTEMS





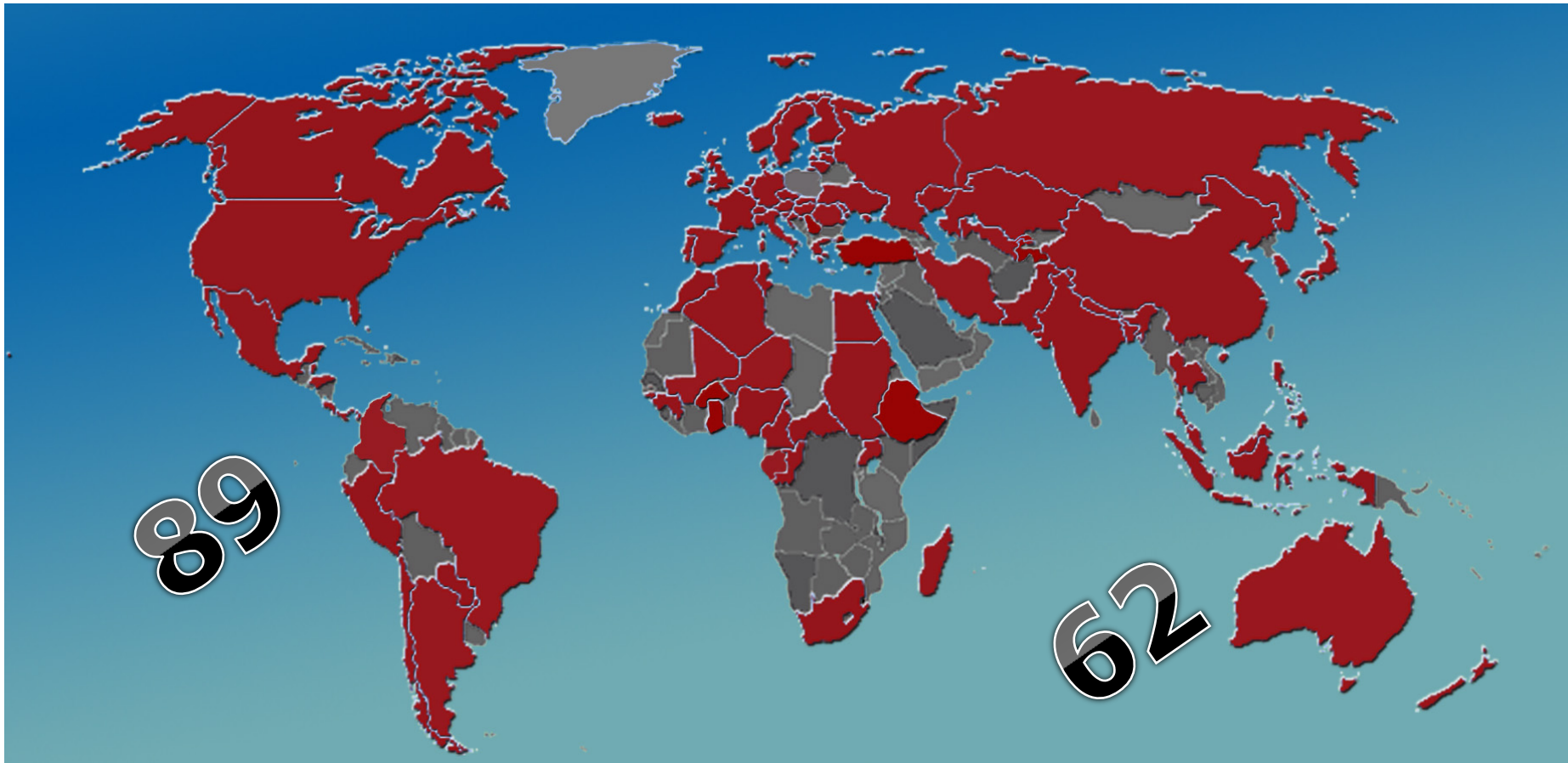
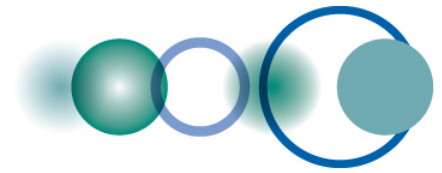
GEO Objectives

- **Improve and Coordinate Observation Systems**
- **Advance Broad Open Data Policies/Practices**
- **Foster Increased use of EO Data and Information**
- **Develop Capacity**

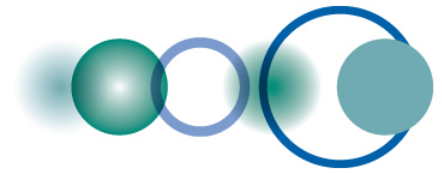


GEOSS Targeted Gaps

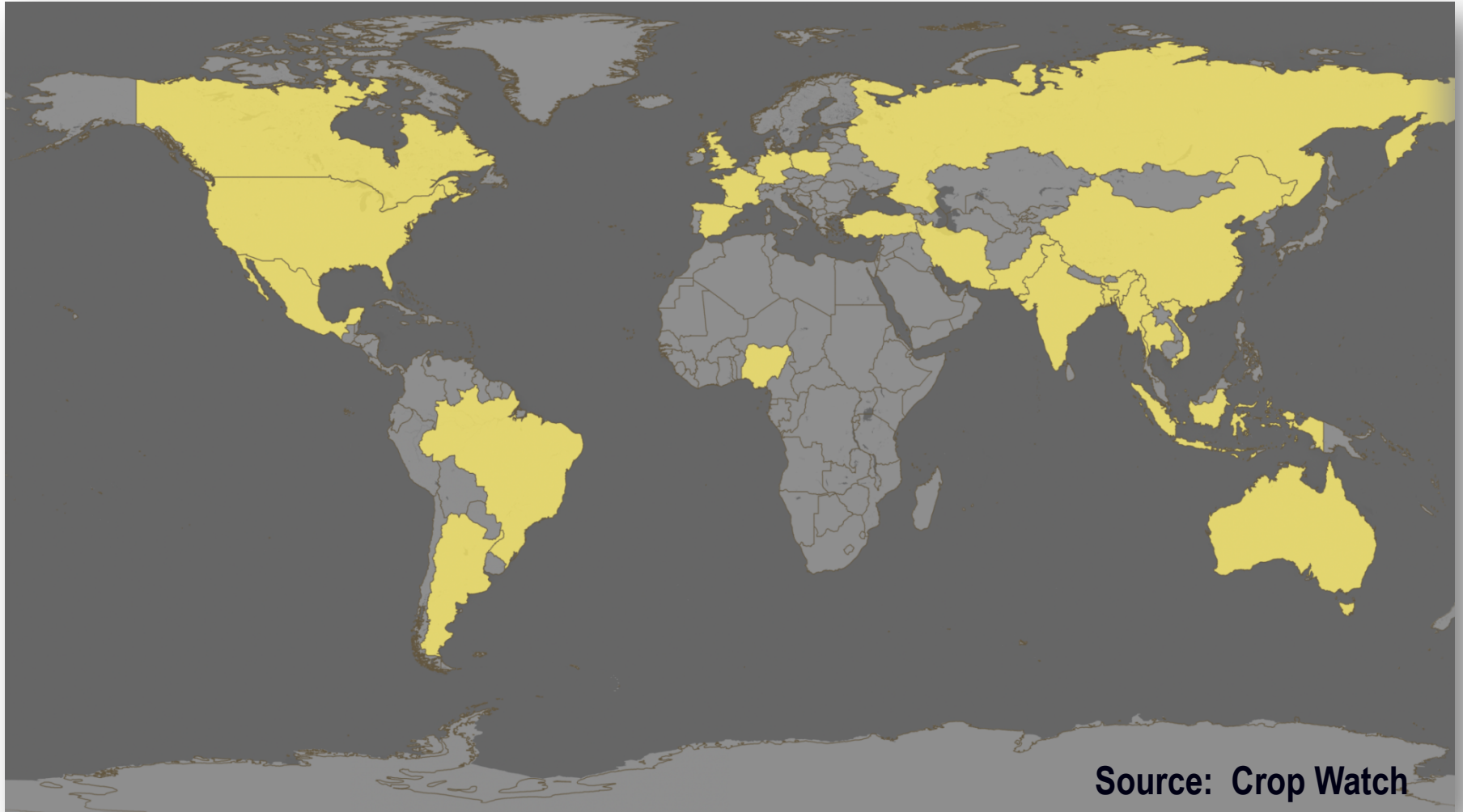
- 1. Uncertainty over continuity of observations**
- 2. Large spatial and temporal gaps in specific data sets**
- 3. Limited access to data and associated benefits in developing world**
- 4. Inadequate data integration and interoperability**
- 5. Lack of relevant processing systems to transform data into useful information**
- 6. Inadequate user involvement**
- 7. Eroding or little technical infrastructure in many parts of the world**



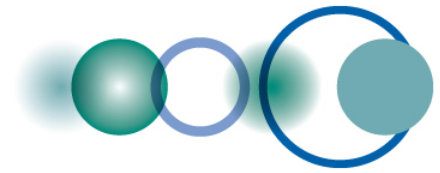
89 member countries + EC+
62 participating organizations



25 COUNTRIES PRODUCE OVER 80% OF WORLD CROPS



Source: Crop Watch



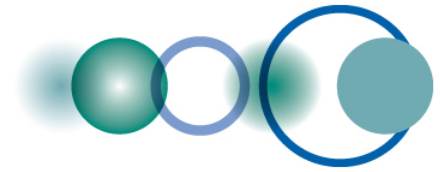
Decision making by plenary

Co-chairs

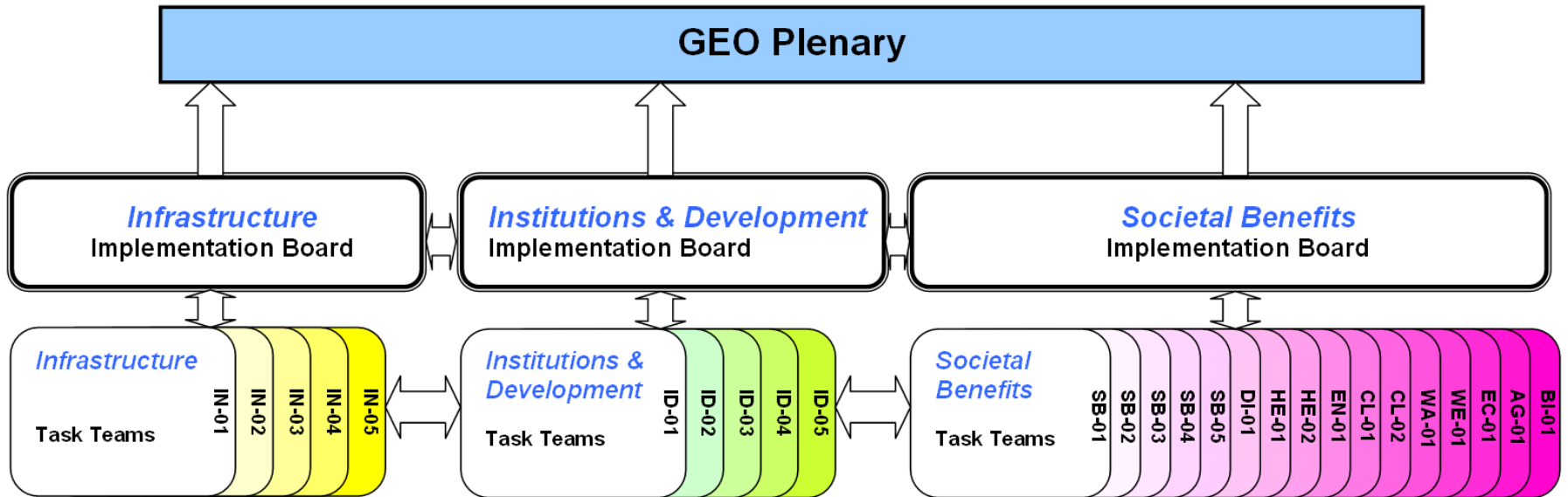
- European Commission
- United States
- China
- South Africa

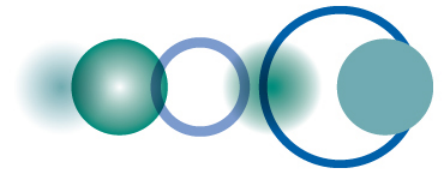
Executive Committee

- Americas (EUA, Argentina, Canada)
- EUROPE (UK, Latvia, EC)
- Africa (South Africa and Morocco)
- Asia and Oceania (Japan, China, South Korea, New Zealand)
- Russia (CIS)



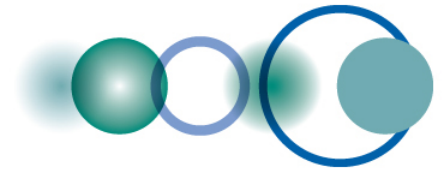
GEO 2012-2015 Work Plan Management





Work Plan Management

- 1 Implementation Board for **Infrastructure**
- 1 Implementation Board for **Institutions and Development**
- 1 Implementation Board for **Information for Societal Benefits**



Boards – Objectives (ToRs)

1. Monitor progress towards achieving 2015 GEOSS Strategic Targets

Annually **assess** Strategic Targets completion progress

Provide review of **Task performance vs Targets**

Identify **issues, gaps**, and Target objectives that require additional support from GEO community

Conduct actions for addressing issues and gaps



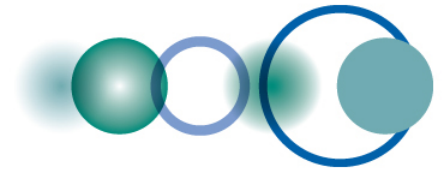
Boards – Objectives (ToRs)

2. Actively coordinate activities across Tasks

within a specific part of the Work Plan (e.g. Infrastructure), while also establishing cross-cutting links to the other parts

3. Advise on Task implementation

Provide **guidance on issues of technical and non-technical nature** (e.g. resources; delivery on commitments of Members and Participating Organizations)

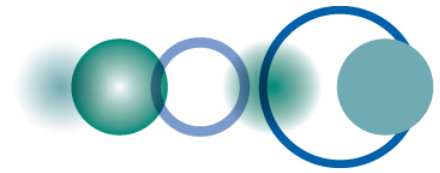


Implementation Boards

Initial Membership

Geographic balance

Developed-developing country balance

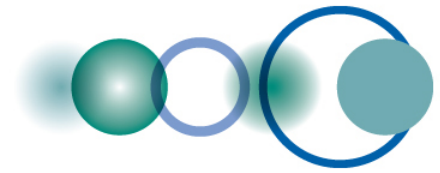


Institutions & Development

Board Initial Membership

- Sample of CBC, STC & UIC members (2 to 4 /Committee)
- 1 expert per Institutions and Development Task
- 1 member from other Boards
- Additional members to fill gaps
- GEO Secretariat

Approx. 20 members



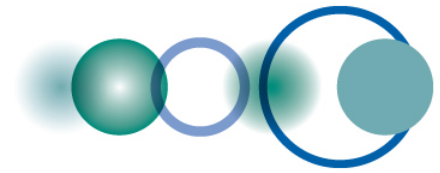
Institutions and Development Board Initial Membership

#	First name	Last name	GEO Member / PO	Main Links with Work Plan / Former Committee
1	Ganiyu	Agbaje	Nigeria	CBC
2	Noureddine Filali	Boubrahmi	Morocco	CBC
3	Hilcea	Ferreira	Brazil	CBC
4	Ana	Casals Carro	Spain	CBC
5	Russel	Lefevre	IEEE	STC
6	Stuart	Marsh (Chair)	UK	STC
7	Carsten	Dettmann	Germany	UIC
8	Gary	Foley (Chair)	USA	UIC
9	Thierry	Ranchin	France	UIC, Societal Benefits Board
10	Alan	Edwards	EC	ID-01 (Data Sharing Working Group)
11	Mark	Noort (Chair)	Netherlands	ID-02, CBC
12	Hans-Peter	Plag	IEEE	ID-03, STC, Societal Benefits Board
13	Ellsworth	LeDrew	Canada	ID-04, UIC
14	Kathleen	Fontaine	USA	ID-05, STC, UIC
15	Stefano	Nativi	Italy	Infrastructure Board
16	Wen	Xu	China	Additional Expertise (Asia)
17	Imraan	Saloojee	South Africa	Additional Expertise (Africa), STC
18	Douglas	Cripe	GEO Secretariat	
19	Joao	Soares	GEO Secretariat	
20	Seonkyun	Baek	GEO Secretariat	



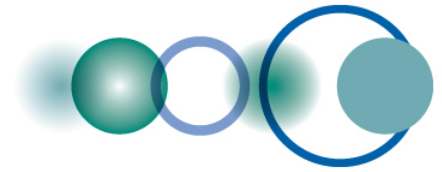
Task Implementation

- Each **Task** is made of one or more **Component(s)**
- Each Component is implemented by a set of **Leads and Contributors** (GEO Members or POs)
- Leads and Contributors are represented by individuals
- One individual representing a Lead agrees to serve as a **Point of Contact** for the Component (see “Guide to Leads”)

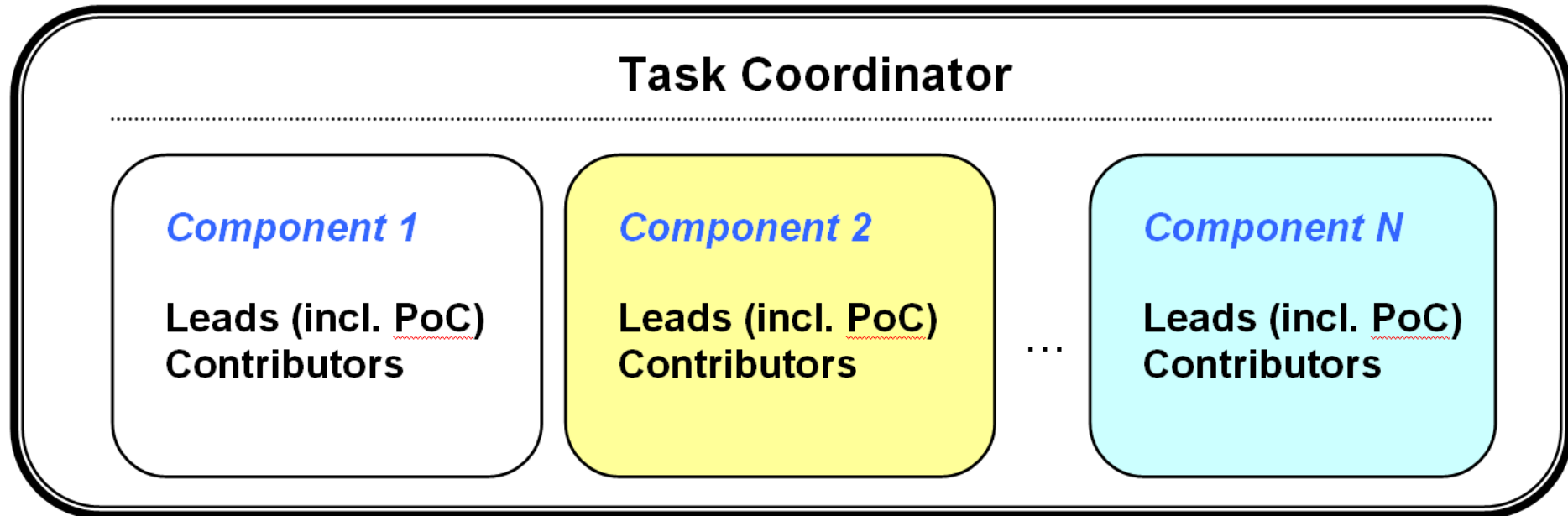


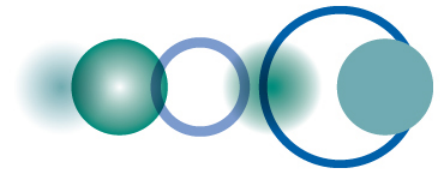
Task Implementation

- The sum of all Leads and Contributors within (all Components of) a Task form the **Task Team**
- The Task Team is led by the **Task Coordinator** whose main functions are to:
 - Provide coordination and guidance at Task level (working with Task Team, and PoCs)
 - Foster interactions across Components
 - Look for synergies with other Work Plan Tasks
 - Provide direct link to Implementation Boards



What is a Task Team ?





In Sum...

- Each Task is implemented by a Task Team
- Each Task Team is: (i) made of Leads and Contributors, (ii) led by a Task Coordinator, and (iii) supported by GEO Secretariat Experts
- A Task Team has direct responsibility (best effort) for **management, execution, and cross-coordination** of Task Components
- A Task Team is **fully open & inclusive**
- All information on Task Teams online
http://www.earthobservations.org/geoss_imp.php



<http://www.earthobservations.org>