



Earth Observations For the Benefit of Humankind

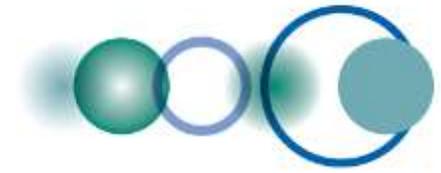
*Overview of the Group on Earth Observations (GEO) and
United States Contributions*

Presenters:

Ivan DeLoatch, Executive Director FGDC

9/6/2017



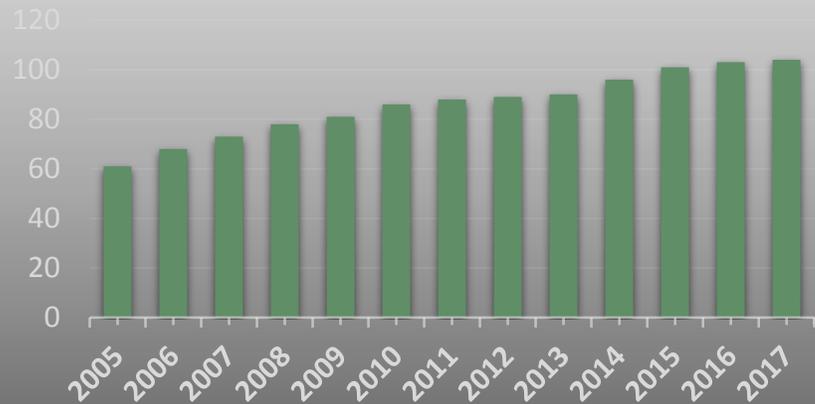


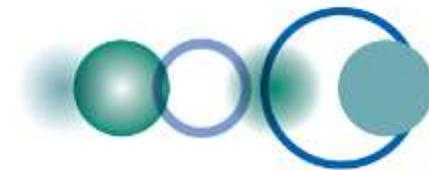
GEO: 104 National Governments

Africa	27
Americas	16
Asia/Oceania	20
C.I.S.	7
Europe	34
Total	104



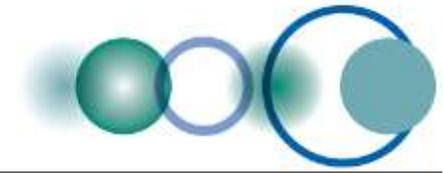
Number of Members by Year





115 Participating Organizations





The societal benefits identified by GEO illustrate how GEOSS serves the needs of the international community.



**Biodiversity and
Ecosystem Sustainability**



Disaster Resilience



**Energy and Mineral
Resources Management**



**Food Security and
Sustainable Agriculture**



**Infrastructure and
Transport Management**



Public Health Surveillance



**Sustainable
Urban Development**



**Water Resources
Management**



Together, the GEO community is creating a **Global Earth Observation System of Systems (GEOSS)** to better integrate observing systems and share data by connecting existing infrastructures using common standards.

What is GEOSS?

GEOSS is a set of coordinated, independent and open Earth observation (EO) collection, information and processing systems.

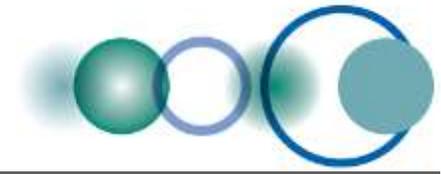
What does GEOSS do?

GEOSS links observing systems to strengthen monitoring of the state of the Earth, ensuring that data is accessible and interoperable.

Why does GEOSS matter?

GEOSS increases our understanding of Earth processes, and enhances predictive capabilities that underpin sound decision-making.



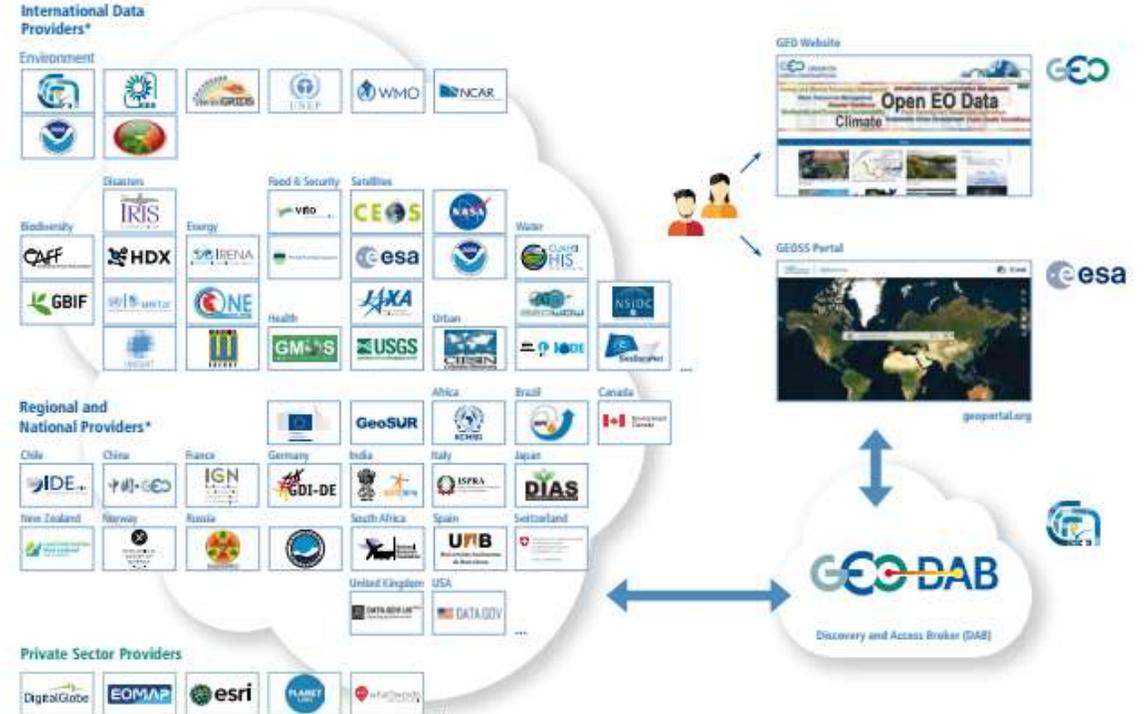


Participation and Contribution Examples

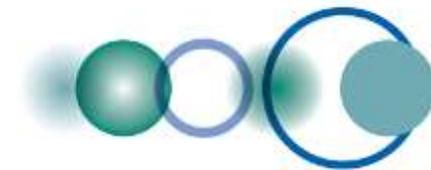
- Initiatives
- Architecture
- Data Sharing Principles
- Data Management Principles
- Technical Principles
- GCI Services



THE GEOSS COMMON INFRASTRUCTURE



* a selection of more than 150 providers



What has GEO accomplishments by the Numbers

Millions

of open data and information resources available on the GEOSS Portal.

The Global Earth Observation System of Systems (GEOSS) makes over 400 million Earth observation resources accessible for better decisions on a range of areas from food security, to protection of biodiversity, renewable energy and disaster resilience.

Hundreds

of GEO Member countries & Participating Organizations working together.

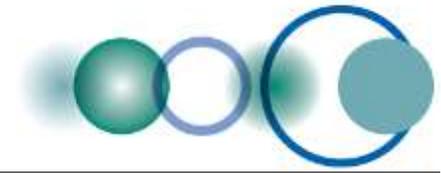
The GEO community is working across sectoral lines to solve global challenges and is collectively **investing hundreds of millions of dollars** in the GEO Work Programme every year.

Tens

of expert Communities of Practice working on the world's most pressing global issues.

Through GEO, multiple, disparate communities come together to share best practices, knowledge, and experience to drive forward data sharing and applications in a wide range of benefit areas.





Work to link US resources to the global community

GEOPLATFORM.gov

geospatial data, services, government agencies and

GeoPlatform users have access to

- A one-stop shop to deliver trusted, consistent data & services
- Authoritative data to support informed decision making
- Reusable applications and services for Federal govt and non-govt use
- A shared infrastructure to host data and applications
- A focal point where governmental, academic, private, and public data can be visualized together to inform and address national and regional issues

Sign up!

Featured: GeoPlatform Release Preview

National

Local | State | Tribal | Federal | Academia | Professional

Data Catalog **Tools** **Products** **Services** **Communities**

ARCTIC SDI **GeoSUR**

Regional

GLOBAL Earth Observation System of Systems (GEOSS)

Global

GEO GROUP ON EARTH OBSERVATIONS

GEOSS Portal

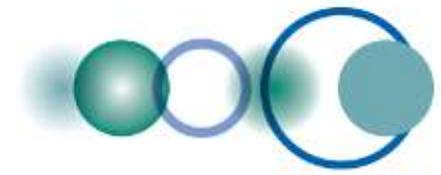
GEOSS

Arctic Spatial Data Infrastructure (Arctic SDI)

GeoSUR

IPGH CAF Launch the North Atlantic Integrated Map - (NAIN 41)

AmeriGEOSS Initiative & Regional Coordination



Born in October 2014, launched in November 2015

Is a cooperative effort of the 16 GEO member countries in the Americas that:

Reflects **local, national, and regional interests** of the **GEO country-members** for short and long-term planning, development, and implementation aligned with GEO activities.

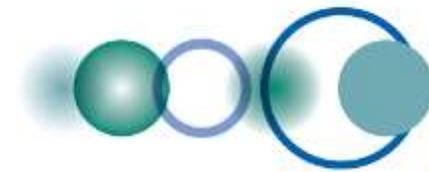
Is **entrenched in the institutional and technical capabilities of its country members** and in the resources of other global initiatives available for the benefit of the region.

Seeks to increase institutional and personal capacity and engage experts, stakeholders, and decision makers **in the process of decision making.**



16 Member Countries

Observers: Bolivia, Guatemala



1



The AmeriGEOSS Platform is a regional community resource to *promote collaboration and coordination* among the GEO members of the American continent.

2

Data

Tools

Products

Services

Resources

Share, find, discover, learn and participate



Explore news, upcoming events, what's new and other topics.

3

Communities



Agriculture



Biodiversity &
Ecosystems



Disasters



Water





About AmeriGEOSS | Initiatives | Data | Tools | Products | Services | Resources | 🔍

1

Interact With Data

2

Create Graphs, Charts, Maps and More

3

View, Share, Documents, Reports, Dashboards & more



GEO WEEK 2017 : Highlight global contributions and accomplishments



GROUP ON EARTH OBSERVATIONS

INSIGHT FOR A
CHANGING WORLD

GEO WEEK 2017

23-27 OCTOBER 2017
WASHINGTON, D.C., USA

- Exhibits
- Side Events