

GEIOSS



AmeriGEIOSS Regional Initiative

A community platform to support understanding and decision-making.

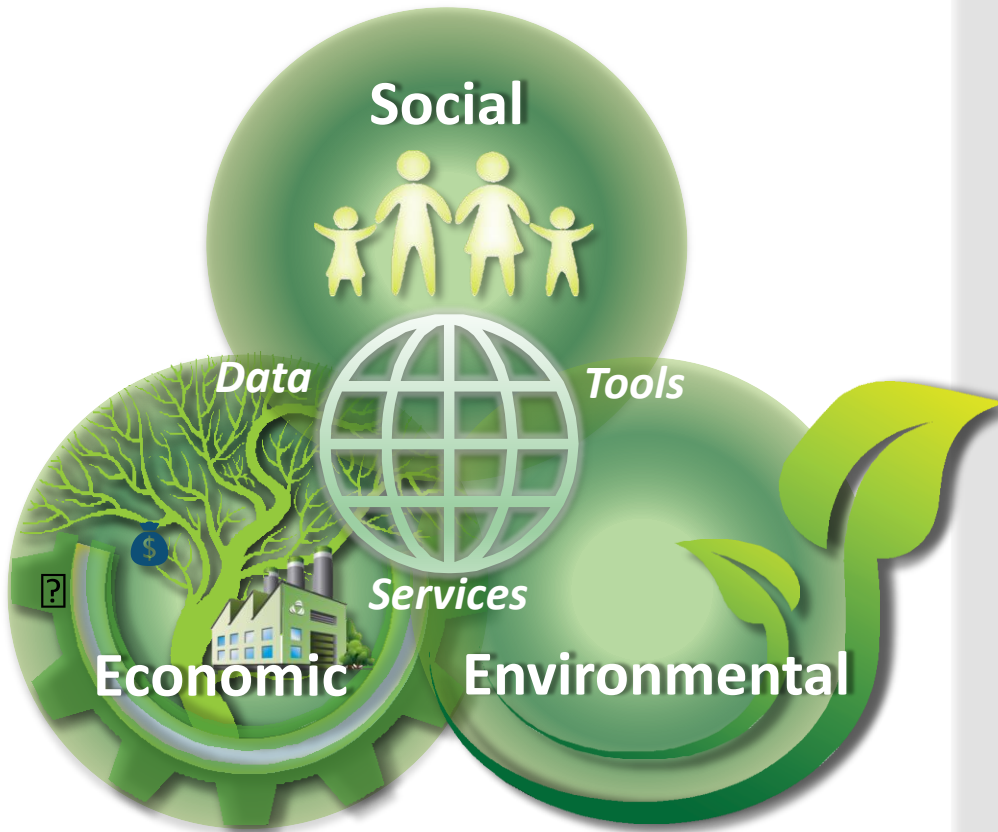
Ivan DeLoatch, Executive Director
US Federal Geographic Data Committee

Fifth High Level Forum on Global Geospatial Information Management, Mexico City
November 29, 2017





Geographic Information—A Universal Framework for Linking Social, Economic and Environmental data

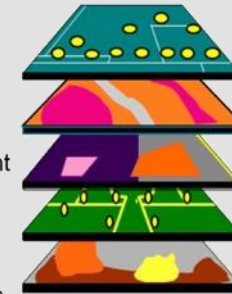


High quality, timely and reliable data

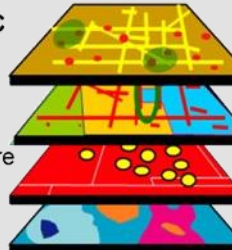
- Geodetic
- Elevation
- Water/Ocean
- Land use/cover
- Transport
- Cadastre
- Population
- Infrastructure
- Settlements
- Admin. Bdys.
- Imagery
- Geology/soils
- Observations etc.

National Spatial Data Infrastructure

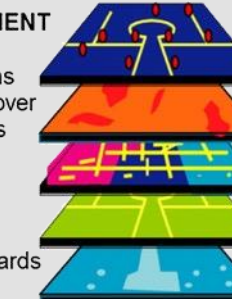
- SOCIAL**
- Society
- Poverty
- Education
- Health
- Population
- Employment
- Water
- Sanitation
- Equality
- Gender
- Governance



- ECONOMIC**
- Well-being
- Cities
- Water
- Energy
- Infrastructure
- Industry
- Sanitation
- Economy

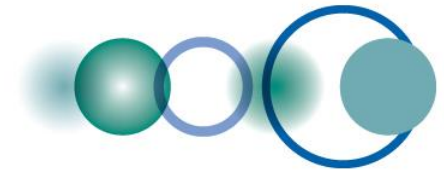


- ENVIRONMENT**
- Water
- Seas/oceans
- Land use/cover
- Ecosystems
- Forests
- Agriculture
- Climate
- Biodiversity
- Natural hazards
- Pollution



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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.**



- | | | | |
|--|-------------------|--|----------------------|
| | Argentina | | Ecuador |
| | Bahamas | | Honduras |
| | Belize | | Mexico |
| | Brazil | | Panama |
| | Canada | | Paraguay |
| | Chile | | Peru |
| | Colombia | | United States |
| | Costa Rica | | Uruguay |

16 Member Countries

Observers: Bolivia, Guatemala

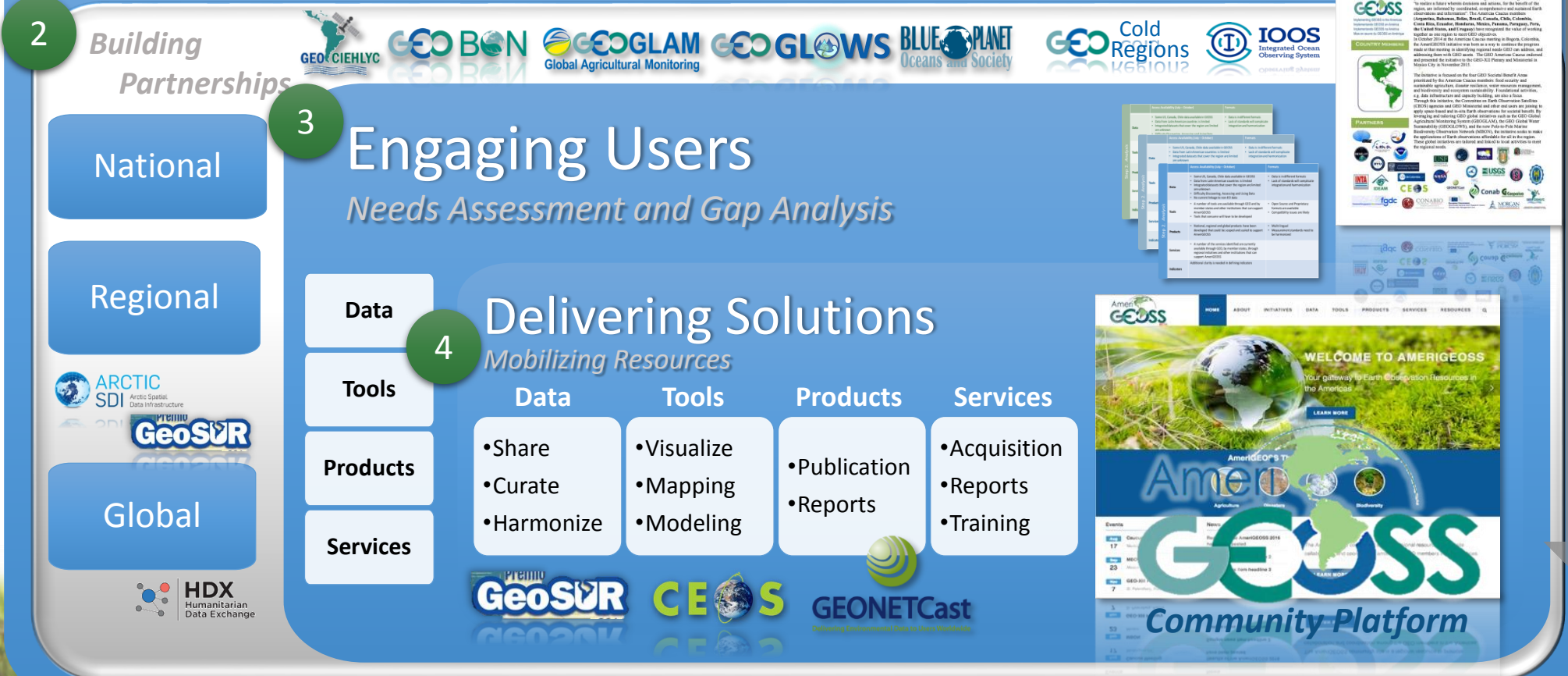




User-Driven Framework



Capacity Building



Partner > Mobilize > Implement





1 The platform bringing together *social, economic and environmental data* through open data portals at the **National, Regional and Global** scale.

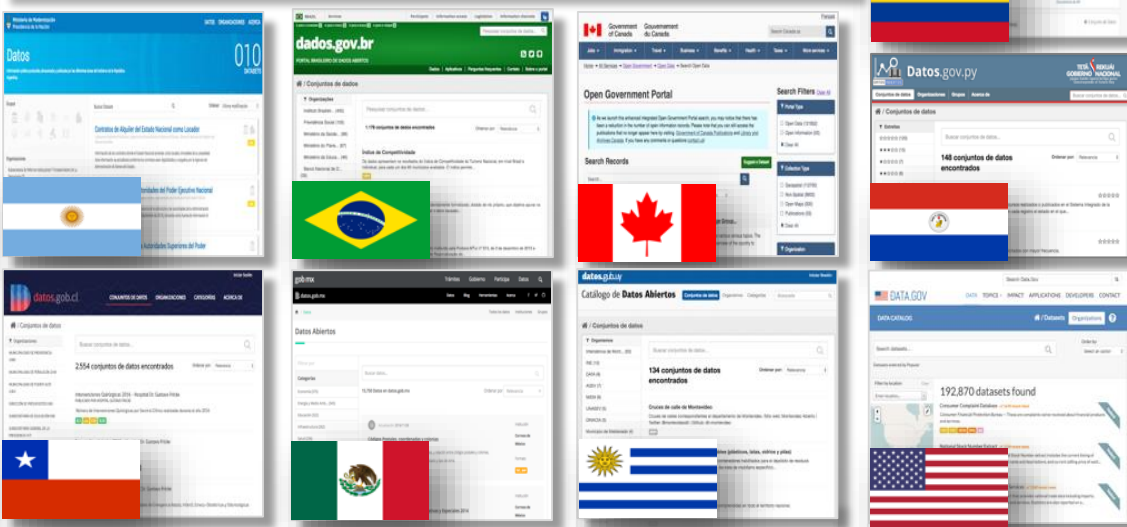


3 Regional

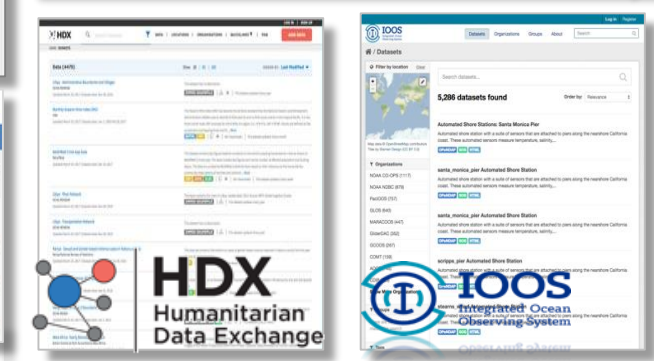


- Data
- Tools
- Products
- Services
- Resources

2 National



4 Global





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

Data Catalog

Spatial Search

Datasets

Collections

AmeriGEOSS Community Platform DataHub. (BETA)

The DataHub provides discovery, access and usability of data, tools, services and resources for analysis, understanding and decision-making.

For technical assistance please email amerigeoss@fgdc.gov

SEARCH DATA

Use keyword searches to find and quickly display content, e.g., water or agua

40.6k DATASETS **24** ORGANIZATIONS **20** GROUPS

Tools and Products

Map Viewer

FEATURED MAPS

- USA Soil Survey
- World Soils Harmonized Wor...
- World Soils Harmonized Wor...
- Global Roads Open Acc
- Volcanos activos



The AmeriGEOSS Community Platform prototype provides a suite of *resources and tools* for integrating, synthesizing, analyzing, problem-solving and visualizing geographically enriched data to *accelerate understanding* and *decision-making*.

AmeriGEOSS Data-Hub – Analytical Tools to Support Understanding



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

1

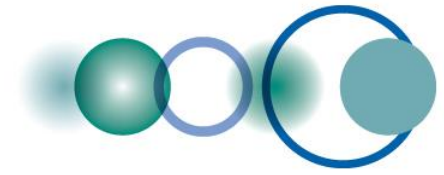
Interact With Data

2

Create Graphs, Charts, Maps and More

3

View Reports and Dashboards



Tools and Resources from Global Providers in one Place



1
Find Data

165 datasets found for "agricultura"

2
Tools

3
Imagery



GEOGLAM
Global Agricultural Monitoring



GEO GLOWS

Explore Social, Economic and Environmental, Reports, Information, Indicators.....and More



Find Water Data

1

428 datasets found for "agua"

Order by: Relevance

Organizations: Mexico (144), Brazil (121), GeoSUR (65), Colombia (54), Chile (30), U.N. HDX (12), Uruguay (2)

Dataset: Características Calidad del Agua - SIVICAP

Dataset: Hacer uso responsable del agua

Dataset: Indicadores Básicos del Desempeño Ambiental - Agua - Caucau

Dataset: Indicadores Básicos del Desempeño Ambiental

- 2
- Water Variables**
- Air Temperature (1200)
 - Salinity (1200)
 - Water Temperature (1200)
 - Winds (1200)
 - Water Level (1138)
 - Barometric Pressure (1132)
 - Conductivity (1132)
 - Currents (1132)
 - Datum (1132)
 - Harmonic Const...
 - Rain Fall (1132)
 - Relative Humidity (1132)
 - Visibility (1132)
 - Water Level Predict... (1132)
 - sea_water_speed (790)
 - direction_of sea wa... (788)
 - platform_orientation (775)
 - platform_pitch_angle (775)

3

Water Reports & Indicators

Shallow Water Mooring Buoys - Guam

(CMOP) Waste water outfall (City of Astoria)

Aggregated Lake St. Clair Water Levels

Aggregated Lake Michigan and Huron Water Levels

Clam Bayou - sea_water_electrical conductivity

4

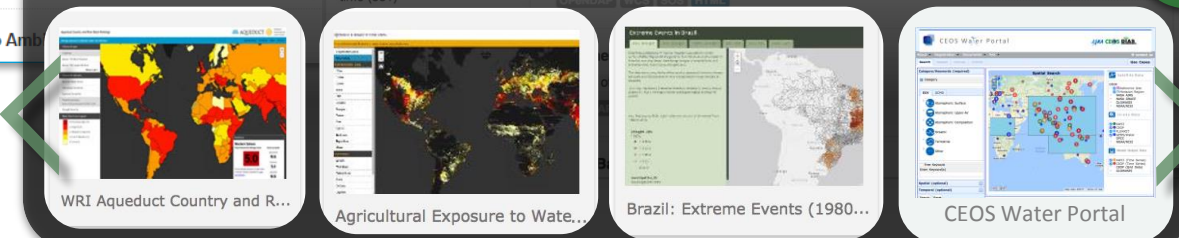
Water Reports & Indicators

Basic Indicators of Environmental Performance - Water - Availability

Water quality of use and human consumption.

Rates for Water and Wastewater Services - EPM

Use maps, applications and other analytical tools



Thank You for Your Attention



LEARN MORE

AmeriGE OSS Thematic Communities



Agriculture Disasters Water Biodiversity

AmeriGE OSS.ORG

