The GEO Blue Planet Initiative

Linking Ocean and Coastal Information with Society

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US MBON
All-Hands Meeting

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What does GEO do?

GEO’s 105 Members governments and 118 Participating Organizations work together to develop and implement Earth observation programmes and initiatives that solve global environmental problems.
GEO Priorities

UN 2030 Agenda for Sustainable Development

The Paris Agreement on Climate Change

The Sendai Framework for Disaster Risk Reduction
# GEO Work Programme

## GEO Flagships

- **GEO Biodiversity Observation Network (GEO BON)**
- **GEO Global Agricultural Monitoring (GEOGLAM)**
- **Global Forest Observation Initiative (GFOI)**
- **Global Observation System for Mercury (GOS4M)**

## GEO Initiatives

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<td>Earth Observations for Ecosystem Accounting (EO4EA)</td>
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<td>GEO Global Ecosystem Initiative (GEO ECO)</td>
<td>GEO Global Water Sustainability (GEOGLOWS)</td>
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<td>GEO Wetlands Initiative</td>
<td>Global Human Planet Initiative: Spatial Modeling of Impact, Exposure and Access to Resources</td>
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<td>Global Wildfire Information System (GWIS)</td>
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<td>Global Observation System for Persistent Organic Pollutants (GOS4POPS)</td>
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<td>Global Urban Observation and Information</td>
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*Note: The table above shows various initiatives under the GEO Work Programme, including flagships and initiatives focused on different aspects of environmental monitoring and scientific cooperation.*
Our Mission

• Advance and **exploit synergies** among the many observational programmes devoted to ocean and coastal waters
• **Improve engagement with** a variety of stakeholders for enhancing the timeliness, quality and range of services delivered
• Raise awareness of the **societal benefits** of ocean observations at the public and policy levels.
Who is GEO Blue Planet

GEO Blue Planet is a network of ocean and coastal-observers, social scientists and end-user representatives from a variety of stakeholder groups, including international and regional organizations, NGOs, national institutes, universities and government agencies.
Who is GEO Blue Planet

Secretariat is funded by NOAA’s Satellite Oceanography and Climatology Division and is hosted by the NOAA-UMD Cooperative Institute for Climate and Satellites.
Connecting users to providers

Priority activities
GEO Blue Planet Symposiums

- Kick-off Symposium - Ilhabela, Brazil, 2012
- 2nd GEO Blue Planet Symposium – Cairns, Australia, 2015
- 3rd GEO Blue Planet Symposium – College Park, MD, USA, 2017
- 4th GEO Blue Planet Symposium – Toulouse, France, 2018
User Engagement Workshops
Support of the UN 2030 Agenda for Sustainable Development

- Support custodian agencies with information and methodology development for the SGDs

- White paper: Global Platform for Monitoring Marine Litter and Informing Action
Thematic Projects

Working Groups
• Marine litter working group
• Earth observations for ecology and epidemiology of water-associated diseases
• Understanding flooding on reef-lined island coasts

Projects
• Multi-hazard information and forecasting system for the wider Caribbean
• Early warning system for marine flooding of reef-lined islands
• Support MBON connections with resource management practitioners, social scientists and other stakeholders
• Support Secretariat development
• Support uptake of MBON products by operational agencies
  • Ex: NOAA CoastWatch hosting of MBON seascapes
GEO Blue Planet & MBON

- Support linkages with GOOS, OBIS, OBPS

- Serves as the biodiversity arm of GEO Blue Planet
Additional information

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Questions?