

All life on Earth needs Carbon. Because of the different amounts of carbon needed, used and embodied in living creatures, the carbon dioxide (the famous CO₂, one of the so-called greenhouse gases, GHG) present in the atmosphere should be observed as a part of a more global carbon cycle. The community of researchers studying this scientific domain has achieved significant progress in improving our understanding of the global carbon cycle and GHG fluxes.

The GEO-C Initiative aims to build on existing programs, networks and infrastructures, ensure their continuity and coherence, and integrate them to obtain a comprehensive, globally coordinated, carbon observation system. All partners are committed to implement the key elements of the GEO Carbon Strategy updated according to the recent scientific developments, and to jointly work to produce information that is relevant for decision-makers and climate policies.

GEO = Group on Earth Observations

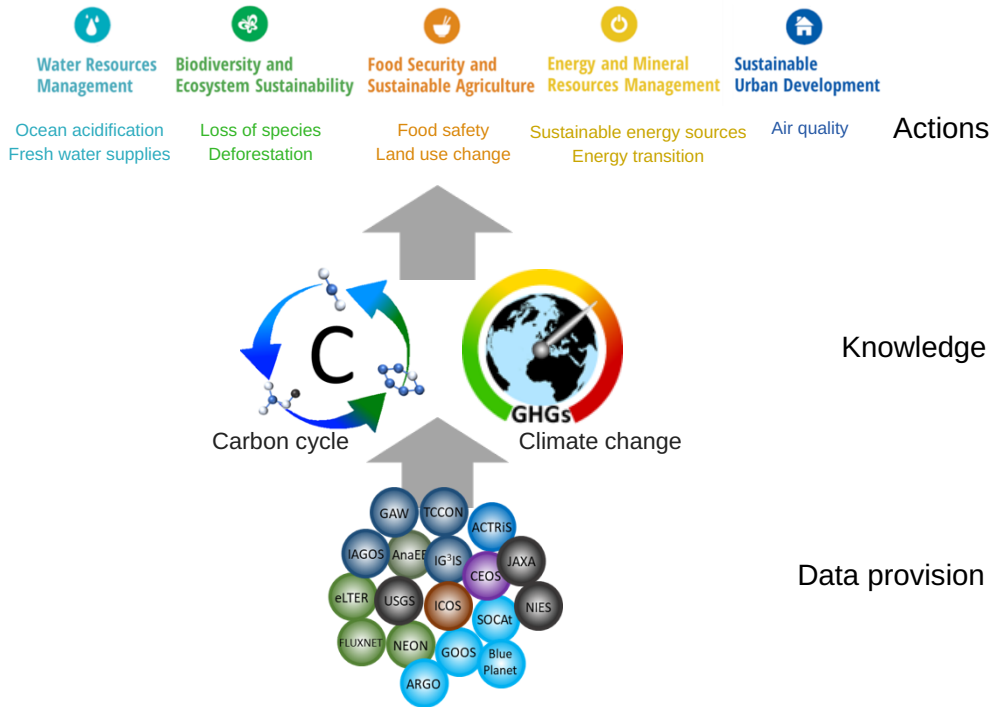
GEO is a partnership of more than 100 governments and as many participating organizations. GEO envisions a future where decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations.

GEO's global network connects governments, academic and research institutions, data providers, businesses, engineers... to create innovative solutions to global challenges over national and disciplinary boundaries. The global collaboration of experts helps identify knowledge gaps and reduce duplication in the areas of sustainable development and sound environmental management.

GEO works across 8 so-called Societal Benefit Areas (SBAs):

- Biodiversity & Ecosystem Sustainability
- Disaster Resilience
- Energy & Mineral Resource Management
- Food Security & Sustainable Agriculture
- Public Health Surveillance
- Sustainable Urban Development
- Infrastructure & Transportation Management
- Water Resources Management

Aim of GEO-C Initiative



Operating methods of GEO-C

- Understand the landscape of existing efforts and support them
- Identify and facilitate new projects serving the aim of GEO-C
- Foster cooperation between actors of climate science
- Explore cross-boundary opportunities between science and society

Next actions of GEO-C

- Set up a Steering and Advisory Board to ensure senior-level leadership
- Further develop the Secretariat in its coordinating and support activities
- Draft a White Paper to get broad buy-in
- Develop Showcases to demonstrate added value



In cooperation with:

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