

# UPDATES FROM THE GEO CARBON AND GHG INITIATIVE

## The GEO Carbon and GHG Initiative

GEO-C builds on existing initiatives and networks to support their continuity and coherence and facilitate their cooperation and interoperability, in order to obtain a comprehensive, globally coordinated carbon and greenhouse gas observation and analysis system.

### Coordinating efforts for maximum efficiency

The GEO Carbon and GHG Initiative (GEO-C) is a global endeavour to promote interoperability and foster integration in the sector of greenhouse gas measurements.

The final users, in addition to the scientific community, are countries and decision-makers that can benefit from the improved information flow, and use it to design efficient climate change policies.

### In line with the Paris Agreement

All activities and deliverables of the GEO-C Initiative are aligned and adapted to address the global climate policy agenda, and particularly to contribute to the successful implementation of the Paris Agreement.

### A global observation system based on cooperation

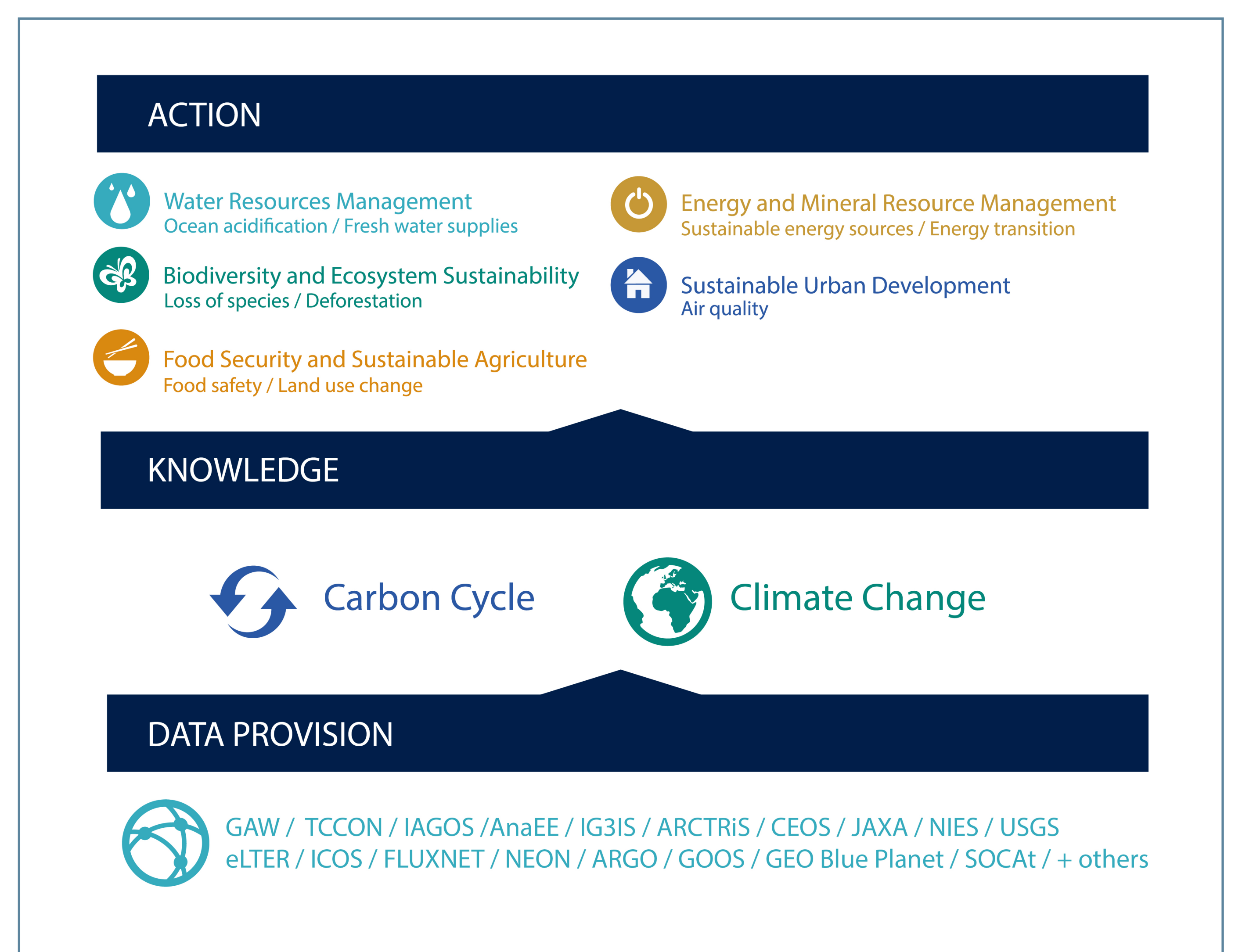
GEO-C aims to:

- Facilitate cooperation in order to develop a coordinated system of observations across domains;
- Evaluate changes in the carbon and other cycles;
- Understand GHG emissions as they relate to human activities and climate change; and,
- Provide decision-makers with timely and reliable policy-relevant information.

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.

### Aim of GEO-C



## Governance, Outputs and 2018 Work Plan

### Steering Committee and Secretariat established

#### GEO-C Steering Committee:

Han Dolman (Netherlands) / Chair  
Werner Kutsch (ICOS) / Co-Vice Chair  
Hiroyuki Muraoka (Japan) / Co-Vice Chair  
Steven Volz, Alternate: Pascal Lecomte (CEOS)  
Mauro Facchini, Alternate: Mark Dowell (EC)  
Carolin Richter (GCOS)  
Phil DeCola (IG3IS)  
Kiyoto Tanabe (IPCC TFI)  
Joanna Post (UNFCCC)  
Deon Terblanche (WMO)  
Bob Scholes (South Africa)  
Pep Canadell (Global Carbon Project)

#### GEO-C Secretariat:

Jouni Heiskanen (ICOS, Host)  
Antonio Bombelli (Italy)  
Nobuko Saigusa (Japan)  
Andre Obregon (GEO Secretariat)

### Outcomes of 1<sup>st</sup> Meeting (2/2/2018)

- Appointment of governance positions
- Agreement to develop a White Paper for GEO-C including a common roadmap

### Major short-term outputs

- Provide a global forum for formal and informal discussions to identify the complementary roles and responsibilities within the carbon observation landscape;
- Map the carbon observations landscape, with the goal to support planning, outreach and communication efforts;
- Identify observational and modelling requirements to define requirements for an integrated global carbon monitoring system;
- Improve policy science interface, with the aim to produce rapid feedback in both directions.
- Identify current contributions from key actors, which leads to identification of existing gaps;
- Jointly agree on roadmap to reach goals;
- Establish common terminology;
- Explore cross-boundary opportunities between science and society.

### Work Plan 2018

