

# WG3: The GEO Carbon and GHG Initiative

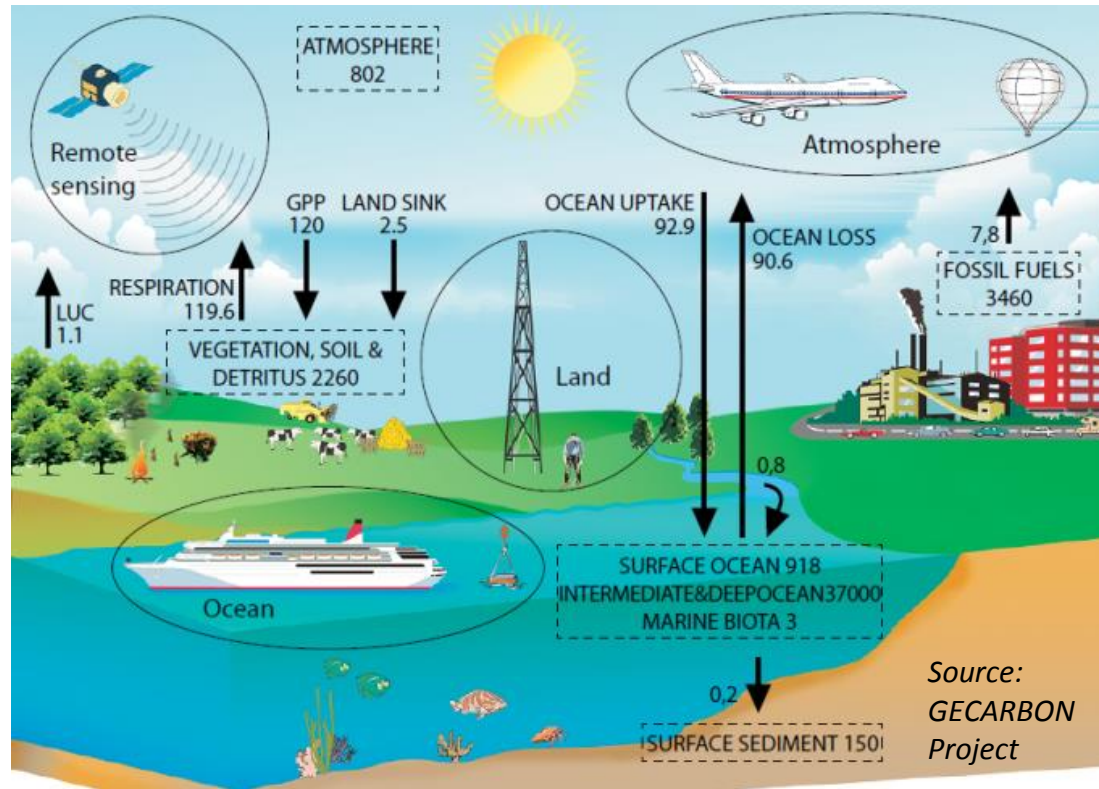
Co-Chairs: Antonio BOMBELLI, Yi LIU, Nobuko SAIGUSA

## The GEO Carbon and GHG Initiative

*Toward policy-relevant global carbon cycle observation and analysis*



**GEO**  
CARBON AND  
GHG INITIATIVE



Source:  
GECARBON  
Project

Original slide:  
Bombelli et al.,  
2015 The 8th  
GEOSS AP  
Symposium, Beijing

### UNFCCC Paris Agreement <Article 7.7>

c) Strengthening scientific knowledge on climate, including research, systematic observation of the climate system and early warning systems, in a manner that informs climate services and supports decision-making.

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## Previous *WG Activities* in the GEOSS A-P Symposiums

2007 (1<sup>st</sup> Tokyo)

*Ecosystem Remote Sensing & C Flux Monitoring*

2008~2009 (2<sup>nd</sup> Tokyo, 3<sup>rd</sup> Kyoto)

*Monitoring and Predicting Climate Change* (IPCC)

2010~2014 (4<sup>th</sup> Bali, 5<sup>th</sup> & 7<sup>th</sup> Tokyo, 6<sup>th</sup> Ahmedabad)

*Forest C Tracking Initiative ~ Global Forest Observations Initiative* (REDD+, LULUCF)

2015 (8<sup>th</sup> Beijing)

*Global C Monitoring* (toward GEOSS next 10-year)

2017 (9<sup>th</sup> Tokyo)

*The GEO Carbon and GHG Initiative*

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## Agenda (morning):

1. Opening GEO Carbon and GHG Initiative Session

**Antonio BOMBELLI**

**Hiroyuki MURAOKA**

2. Initiative Task 2 – Data Access and Availability: Domain-Overarching Carbon Cycle and GHGs Monitoring System

**Yi LIU**

**Chandra Shekhar JHA**

**Toshinobu MACHIDA et al.**

3. Initiative Task 4 – Budget Calculations and Breakdown Across Scales to Support Policy Implementation

**Prabir K. PATRA**

**Shin-ichiro NAKAOKA**

(Discussion)

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## Agenda (afternoon):

4. Initiative Task 4 – Budget Calculations and Breakdown Across Scales to Support Policy Implementation

**Tsuneo MATSUNAGA**

**Takashi HIRANO**

**Kiyoto TANABE**

(Discussions from the users' perspective) **André OBREGÓN**

5. Synergies with Other Initiatives in Asia-Pacific

**Gordon BRAILSFORD**

**Masanobu SHIMADA**

(Discussion)

6. Closing the GEO Carbon and GHG Initiative Session

(Future Plan and Session Summary) **Antonio BOMBELLI**

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## **Point of discussion:**

### **Issues to be tackled (from the users' perspective)**

### **The way forward**

- Collaboration with existing organizations?
  - Organizations/networks in Asia-Oceania
  - National level coordination?
  - WMO? GFOI? CEOS? other initiatives?
- Development of more operational system?
- Contribution to the UNFCCC?
- Next step within 2017?
  - UNFCCC SBSTA, May (Bonn) research dialogue?
  - COP 23, November (Bonn) side event?
  - Science meetings: EGU JpGU AOGS ICDC...

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Please kindly share ~~one of~~ your presentation slides  
**which can be open to the public**

with the co-chairs **and the symposium secretariat**  
to be referred to in the WG 3 summary (Day 3) and  
to be uploaded on the symposium web page.

Thank you!