

GEO WEEK & MINISTERIAL SUMMIT 2023

**In situ data in GEO: challenges and opportunities.
Sharing experiences between Regional GEOs**

#TheEarthTalks



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



GEO WEEK
2023 MINISTERIAL
SUMMIT

GEO GROUP ON
EARTH OBSERVATIONS



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#TheEarthTalks

GEO WEEK & Ministerial Summit 2023

**In situ data in GEO:
challenges and opportunities.
Sharing experiences between
Regional GEOs**

6 November 16h

Panel I: Enabling openness



Jose Miguel Rubio
EEA (Moderator)



Angelica Gutierrez,
NOAA, AmeriGEO



Xingfa Gu,
CAS, AOGEO



Michael Otieno,
HOT, AfriGEO



Jean Dusart
EC, EuroGEO



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Earth Observations
for the Americas



America

- Argentina
- Bahamas
- Belize
- Brazil
- Canada
- Chile
- Colombia
- Costa Rica
- Dominican Republic
- Ecuador
- El Salvador
- Guatemala
- Honduras
- Mexico
- Nicaragua
- Panama
- Paraguay
- Peru
- Trinidad and Tobago
- United States
- Uruguay

Open Knowledge for Action and Impact

Exploring AmeriGEO's efforts to support Open Knowledge



- *Principle 1 Open Science*
- *Principle 2 Open Access*
- *Principle 3 Citizen and Participatory Science*
- *Principle 4 Open Data*
- **Principle 5 Open Reproducibility**
- *Principle 6 Open Software*
- *Principle 7 Open Infrastructure*
- *Principle 8 Open Education*
- **Principle 9 Open Evaluation**
- **Principle 10 Open Hardware**
- *Principle 11 Diversity of Knowledge*

To view pages in English, use the "More" menu in the header.



UNIVERSIDAD DE
COSTA RICA



Del 7 al 12 de agosto de 2023

Semana AmeriGEO 2023

Costa Rica

Soluciones basadas en datos para un planeta sostenible



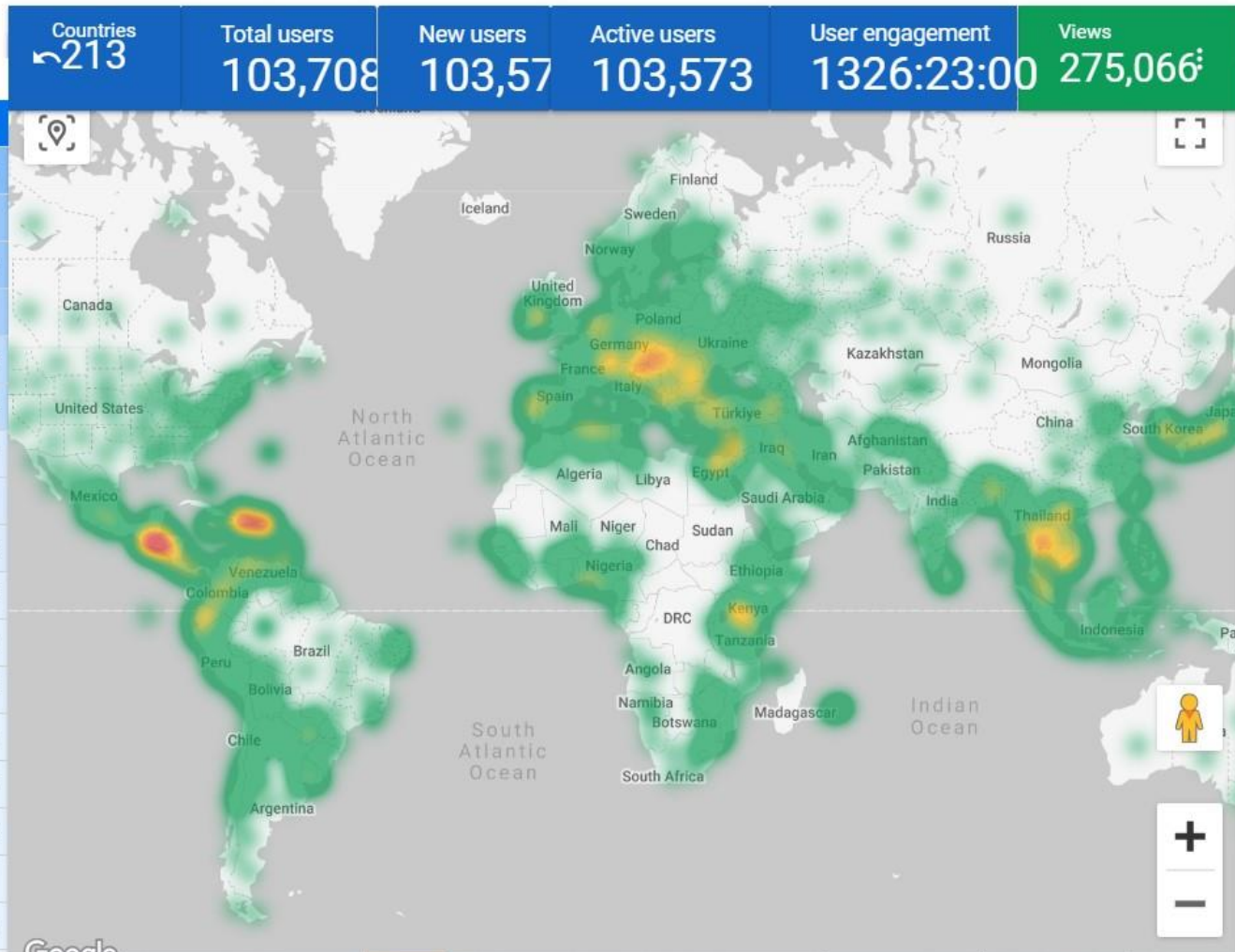
Global Report for AmeriGEO Datahub Utilization

Jan 1, 2023 - Nov 6, 2023

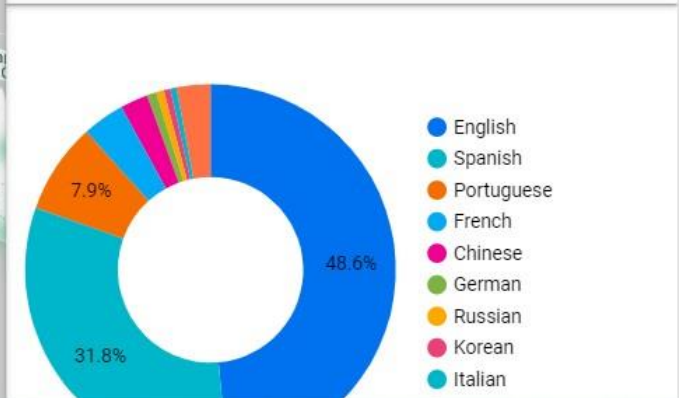
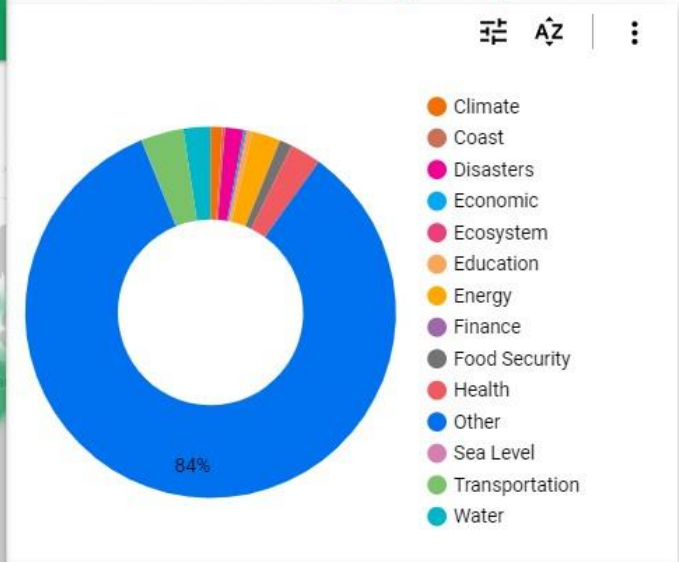
Event count
937,961

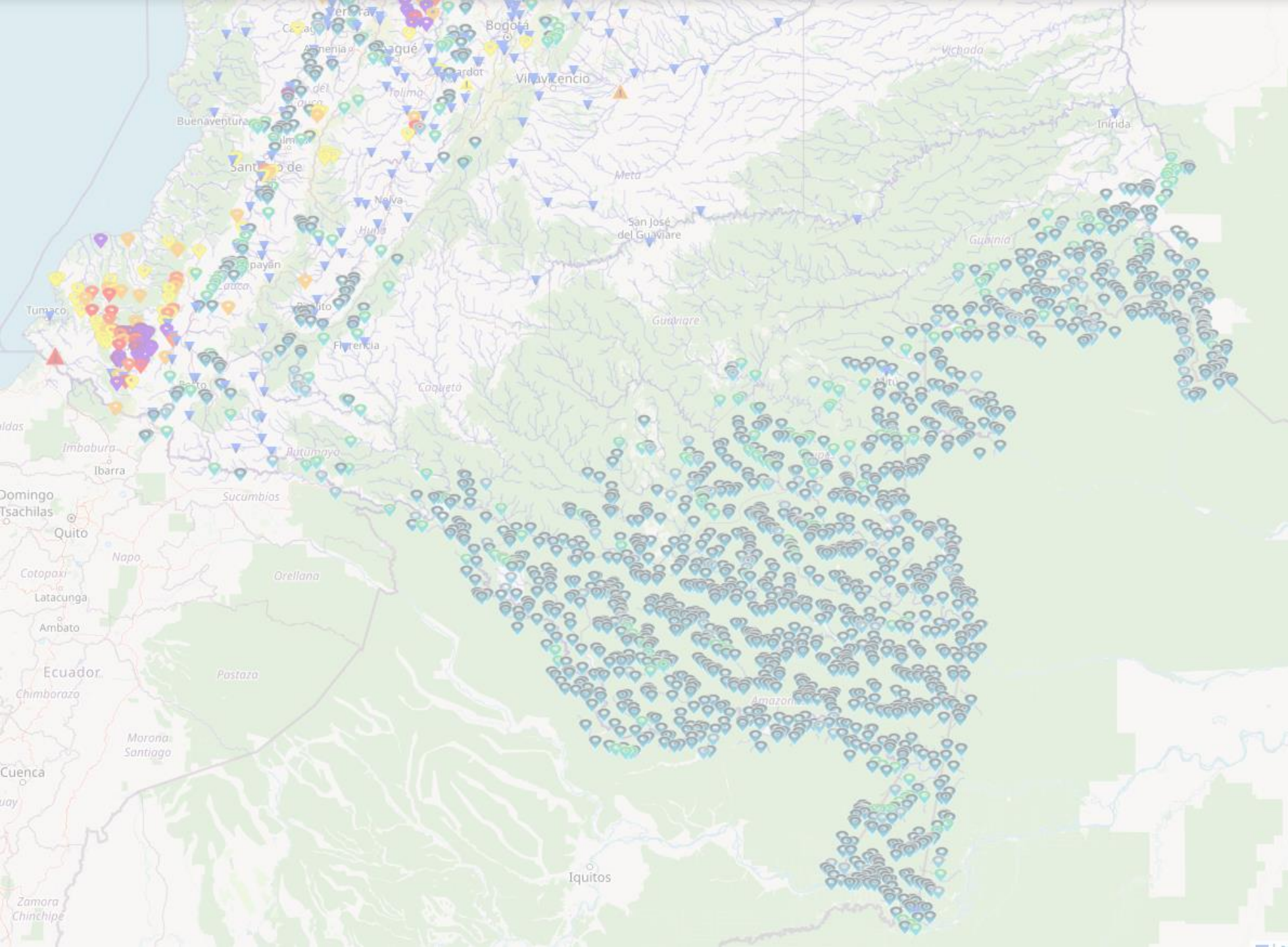
Note: Data is only available since February 22, 2023 when the new reporting was implemented

Country	Views
1... United States	50,191
2... Brazil	22,629
3... Colombia	19,021
4... Ecuador	18,286
5... Mexico	15,821
6... India	11,094
7... Argentina	10,754
8... Peru	5,737
9... Canada	5,351
1... United Kingd...	4,816
1... Germany	3,998
1... Spain	3,870
1... Dominican R...	3,804
1... France	3,319
1... China	3,235
1... Chile	3,112
1... Kenya	2,921
1... Indonesia	2,779



Countries	Total users	New users	Active users	User engagement	Views
213	103,708	103,57	103,573	1326:23:00	275,066





Water Level analysis – Amazonas River



Low water levels – Amazonas River

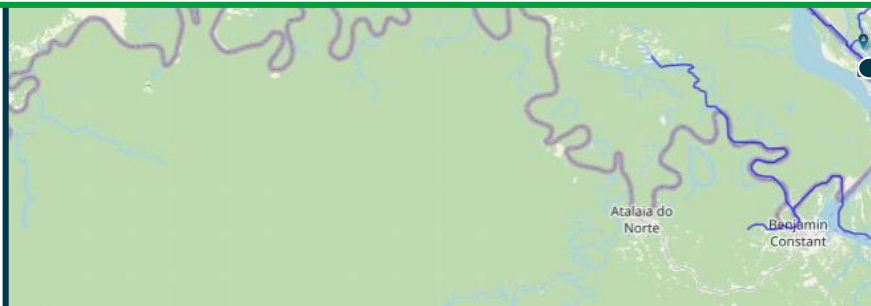
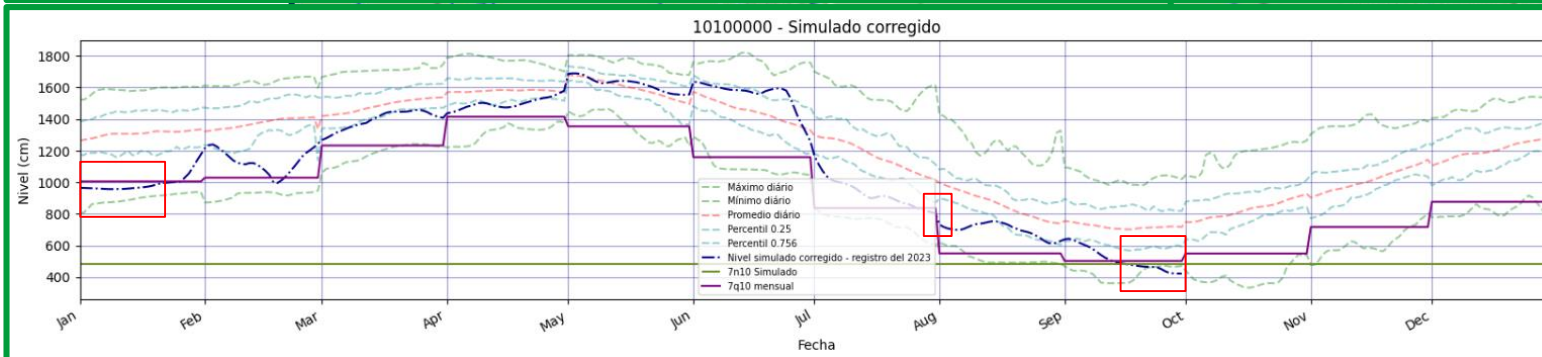
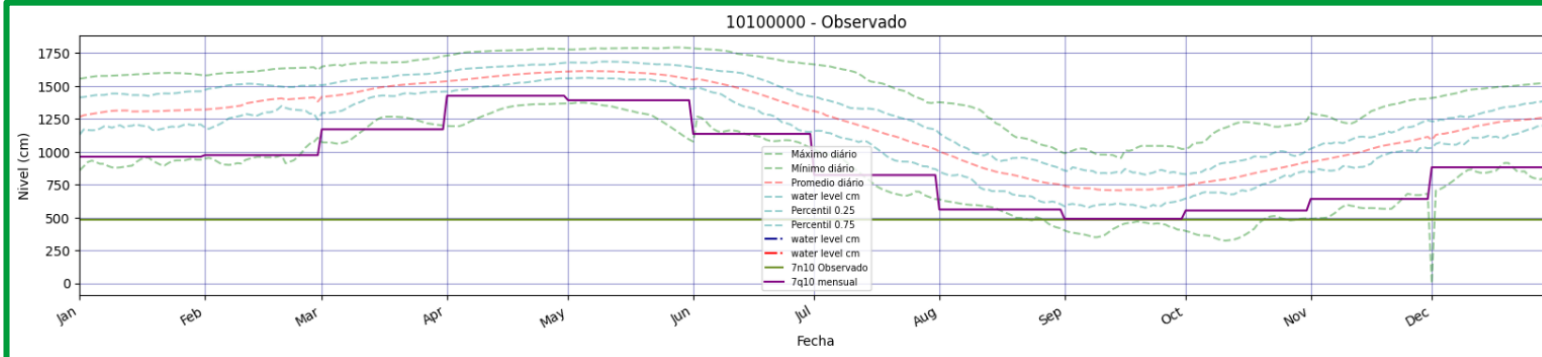
80 years retrospective analysis



7Q10

National Water Level Forecast Colombia

National Water Level Forecast Brazil



STATION INFORMATION	
CODE:	10100000
NAME:	TABATINGA
RIVER:	RIO SOLIMÕES/AMAZONAS
BASIN:	10
LATITUDE:	-4.2346
LONGITUDE:	-69.9463
ALTITUDE:	78 msnm

[Visualize data](#)



PeruSAT-1 | 3D GALLERY

Explore your world in 3D

Tour our collection of beautiful 3D versions of imagery from PeruSAT-1 created by our global user community. Each viewer provides powerful capabilities to explore the Republic of Peru.

Mapatón Perú 2021

CERTIFICADO DE PARTICIPACIÓN

Andrés Santiago Avendano Gomez

Por su participación en el evento **Mapatón Perú 2021**, 28 de junio - 2 de julio de 2021. El objetivo del evento fue fortalecer la colaboración institucional del gobierno nacional y local con la academia e instituciones internacionales, promoviendo la ciencia y tecnología generacionales. Los participantes contribuyeron a la Gestión del Riesgo de Desastres a través del desarrollo de aplicaciones y del mapeo comunitario de zonas rurales y metropolitanas usando datos de PeruSAT-1.



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Michael Osunga

Humanitarian OpenStreetMap Team



Eastern and Southern Africa Hub



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#TheEarthTalks GEO WEEK & Ministerial Summit 2023

In situ Data in GEO

Regional GEOs Success, Challenges, and Opportunities to unleash data Earth Insights and Intelligence

6 November 2023, 16:00 – 18:00



Jean Dusart



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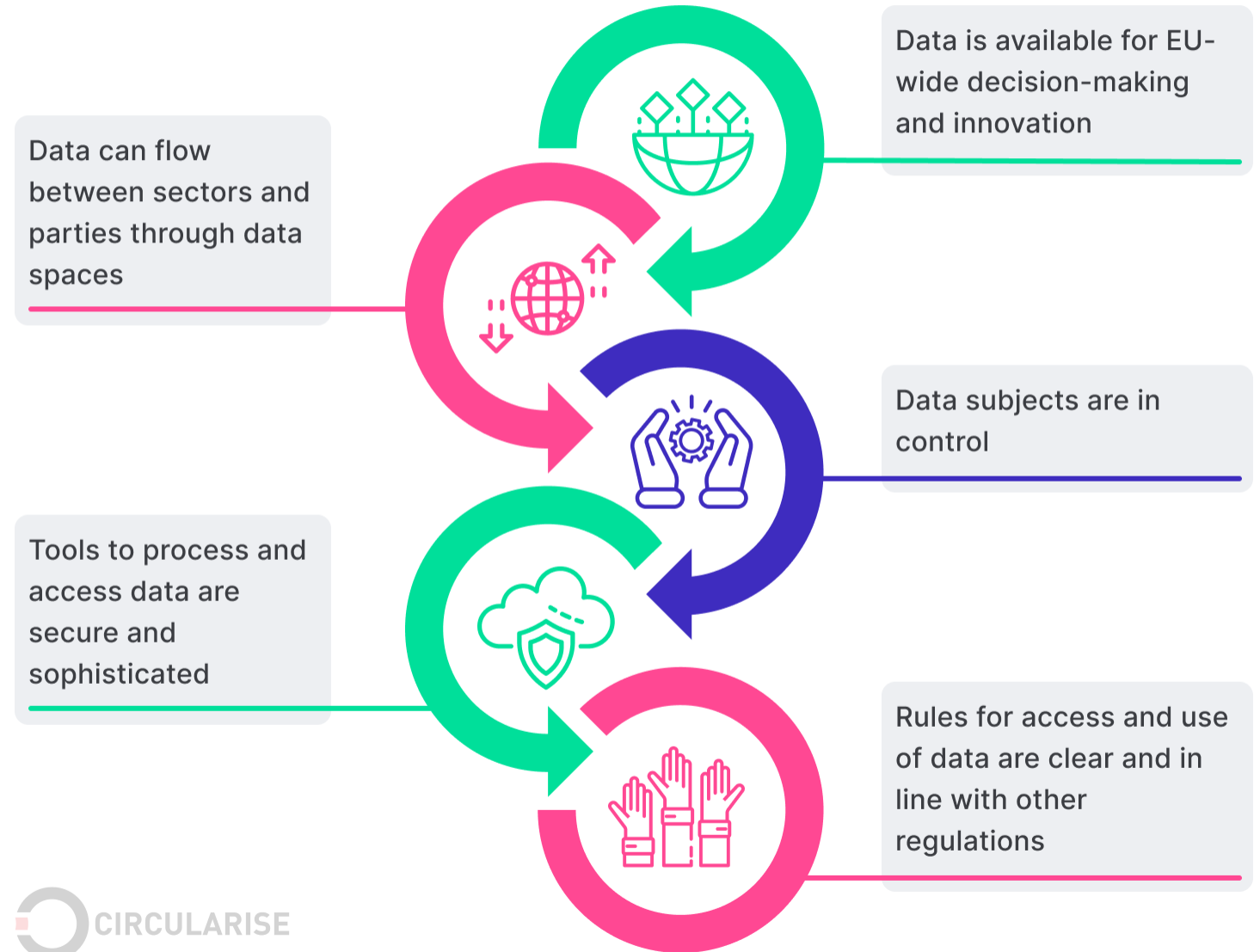
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Creating a single market for data where

- data can flow within the EU
- European privacy, data protection, and competition rules are fully respected
- the rules for access and use of data are practical and clear
- **To establish a secure and dynamic data economy by:**
 - **pooling data in key sectors with data spaces**
 - setting clear and fair rules on access
 - investing in tools to store and process data
 - joining forces in cloud capacity
 - giving users rights, tools, and skills to control their data

European strategy for data



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**In situ data in GEO:
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Sharing experiences between
Regional GEOs**

**Panel II: Enabling
Infrastructure**

6 November, 17h



**Josh Delmonico,
FGDC (Moderator)**



**Alejandro Roman,
Paraguayan Space
Agency**



**Rich Frazier,
FGDC**



**Chuang Liu,
CAS**



**Hiroyuki Muraoka,
Gifu University**



**Brian Goldin,
VoyageSearch**



**Neil Sims, CSIRO,
GEO-LDN**



**Lionel Menard,
MINES Paris PSL**



**Kofi Asare,
GSSTI**

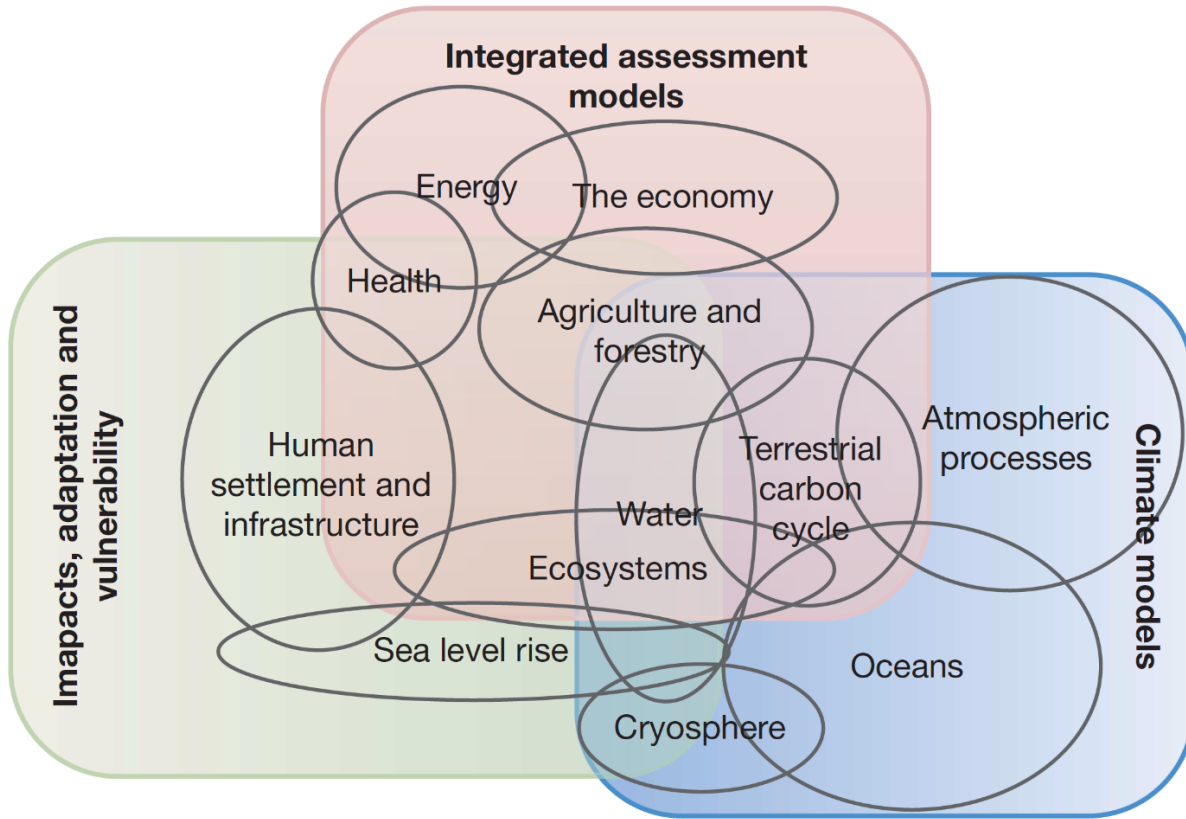


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System of multiple systems



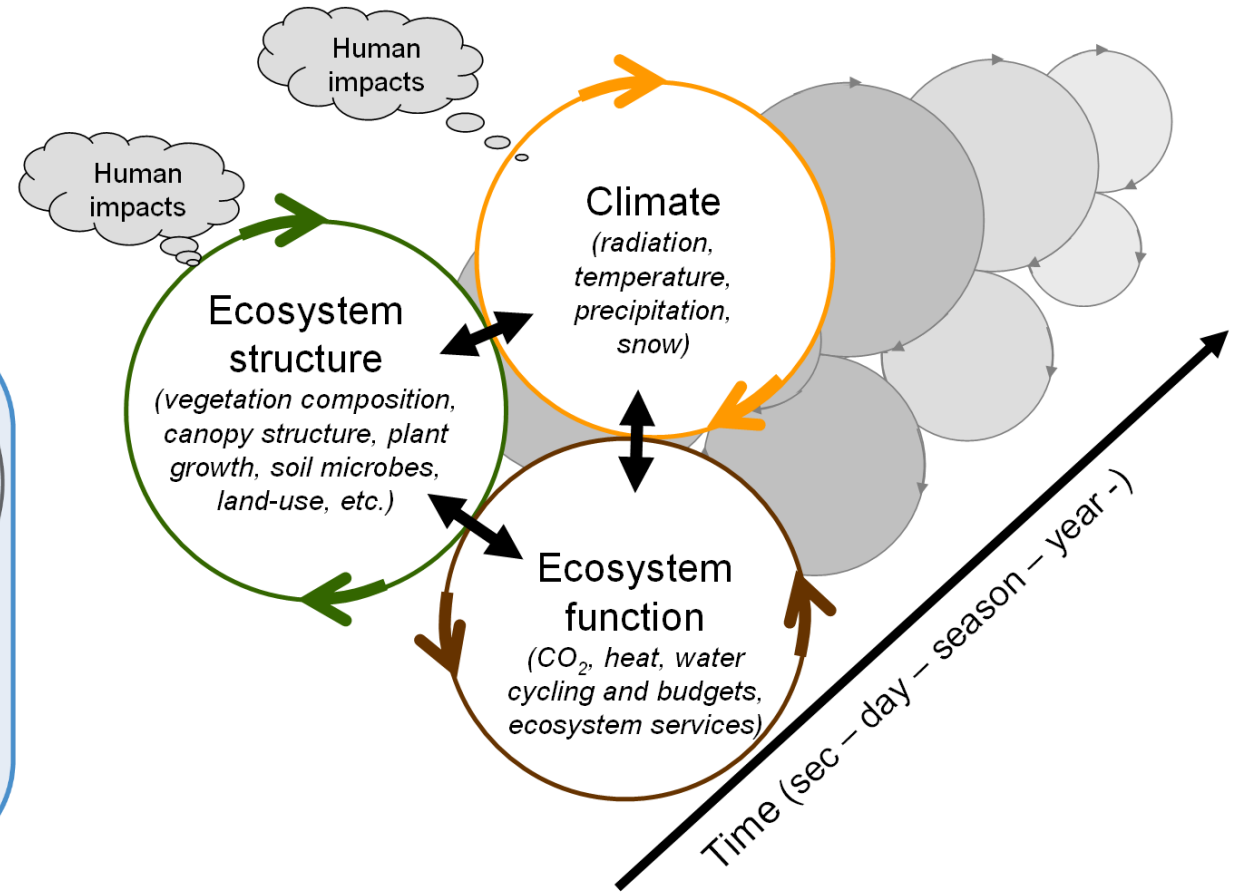
Vol 463|11 February 2010|doi:10.1038/nature08823 nature

PERSPECTIVES

Moss et al. (2010) Nature

The next generation of scenarios for climate change research and assessment

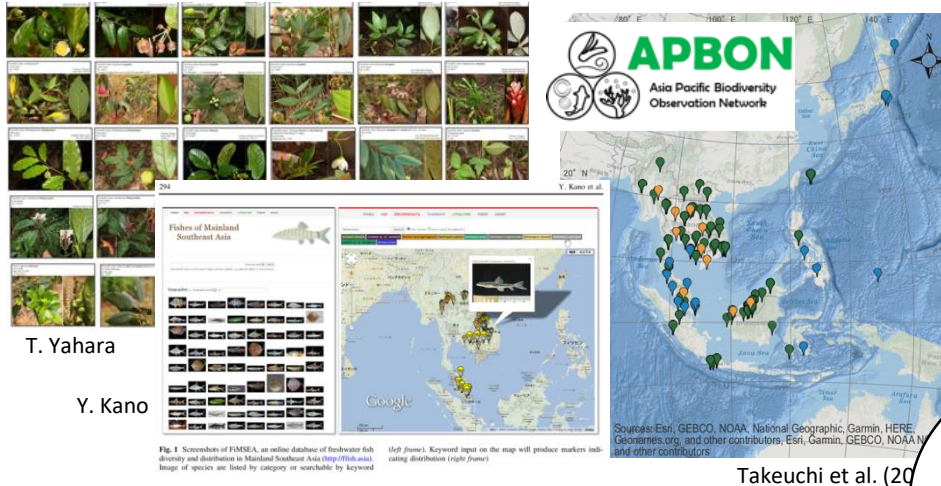
Interactions changes over time



Muraoka and Koizumi (2009) J Plant Res.

In-situ biodiversity and ecosystem : Data & Knowledge development networks

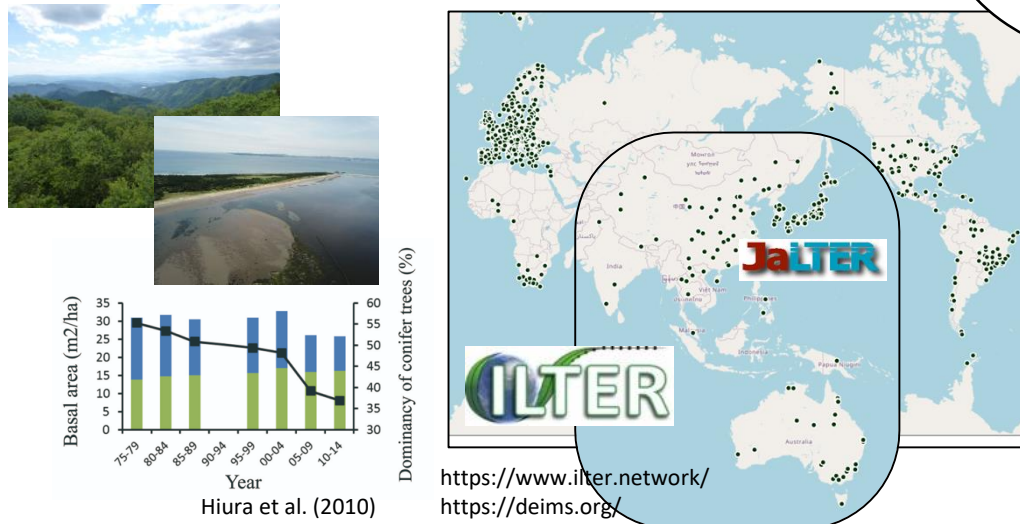
Biodiversity observation network



CO₂ flux and GHG research network



Long-term Ecological Research network



In-situ remote sensing observation network

