

Report and Outcomes from the GEO Plenary-XV and EO4SDG Side Event



GEO Plenary-XV, Kyoto
Oct 31-Nov 1, 2018

Chu Ishida, JAXA, EO4SDG Co-lead
Argyro Kavvada, NASA, EO4SDG Executive Secretary

An intergovernmental organization working to improve the availability, access, integration, and use of Earth observations to inform decisions and benefit society.

Engagement Priorities



Group on Earth Observations

<http://earthobservations.org>



SDGs



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11

Climate



Disaster Risk Reduction

Community

105 Member Countries
127 Participating Organizations

GEO Work Program

Flagships
Initiatives
Community Activities

Societal Benefit Areas

GEO works across 8 Societal Benefit Areas to translate Earth Observations into support for decision-making.



Oct 31 – Nov 1, 2018

International Conference Center, Kyoto, Japan

Approx. 500 participants



GEO-XV Plenary

GEO Plenary

Panels on the three priority themes

Report from the regional GEOSS

Report from the Flagships

Administrative topics and process

35 Side Events

Keynote speakers
Mami Mizutori, UNISDR
Greg Scott, UN-GGIM
Florin Vladu, UNFCCC



Key Outcomes



GEO-XV Plenary

Roles of Earth Observations for the three international agreements

Open-data at the core of GEO agenda

Closer integration of GEO with statistical and other types of information and communities for SDGs

Fast pace of implementation of data platforms and data cubes for SDGs

Co-design with stakeholders

Contribution to the Global Risk Assessment Framework (GRAF) and the Global Stocktaking

GEOSS: From the portal to knowledge hub

From regional GEOSS to regional GEO

Approval of GEO Associate category (private sector) with condition⁴

Highlights of EO4SDG Side Event, Oct 29

Panels

Sharing of
Good Practice
Country
Examples

GEO Work
Program
Activities and
SDGs

EO Solution
for SDGs in
the Asia-
Pacific Region

Key Findings

SDGs for government priorities and national development plans

Need for analysis-ready data and application-ready data

Need for guidance development to enable NSOs to mainstream EO into national statistical processes

Challenges of EO integration with statistics

Data quality and continuity as key requirements

Contribution to SDGs implementation and planning processes as well as indicator computation

Regional space application plan for SDGs

Significant regional program/projects for SDGs

Challenges in operationalizing successful projects

Initiative Purpose:

Organize and realize the potential of Earth observations and geospatial information to advance the *2030*.

Activities

- Projects
- Capacity Building
- Data and Information Products
- Outreach and Engagement

Key Emphasis:

Federated approach within GEO

Collaboration with national statistical offices, line ministries, UN custodian agencies.

Active participation in IAEG-SDGs/WGGI Task Stream, 'Application of Earth Observation Data for SDG Indicators' with initial focus on 6 indicators.

EO4SDG Key Progress - Country Pilot Projects

Engagement with Countries in

pilot projects to help demonstrate use of EO for SDGs, including Senegal, Uganda, Ghana, Kenya, Colombia, Peru, Greece, among others.

Additional country-engagement in collaboration with

UNEP in support of their national level data studies on 6.6.1
Successful upgrade of 6.6.1 & 6.3.2 to Tier II

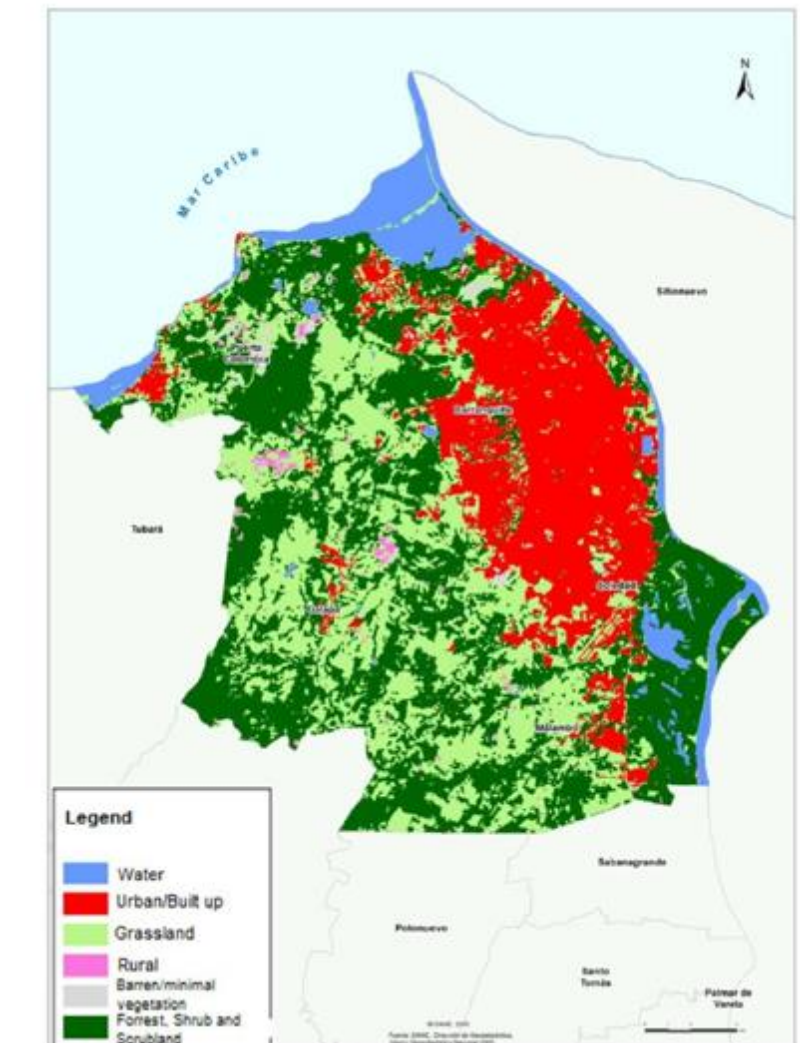
UNCCD by assisting countries to fulfill reporting on 15.3.1

UN Habitat in support of their efforts to assist countries in monitoring and reporting on 11.3.1

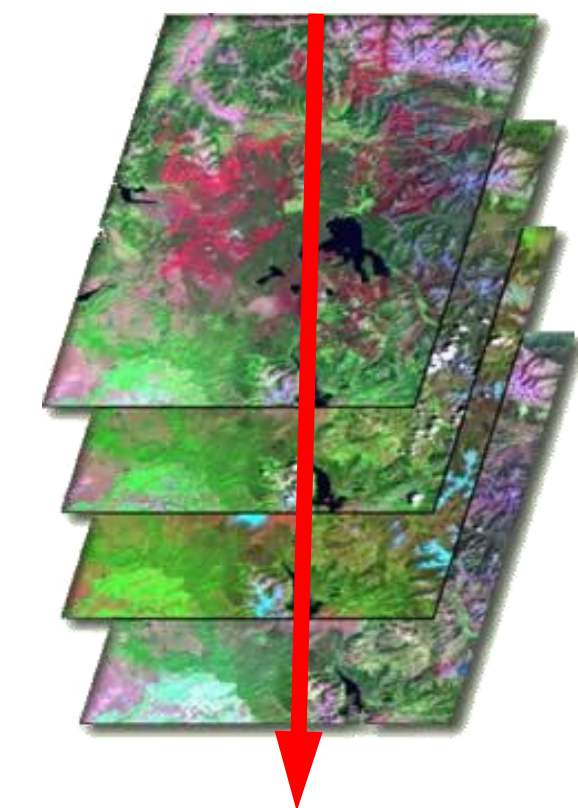
Collaboration with CEOs in

Analysis-ready data mitigating processing burden for users

Country data cubes for Colombia, Vietnam, among other countries, implementing the **African Regional Data Cube**.



Land cover analysis of Barranquilla City, Colombia by DANE

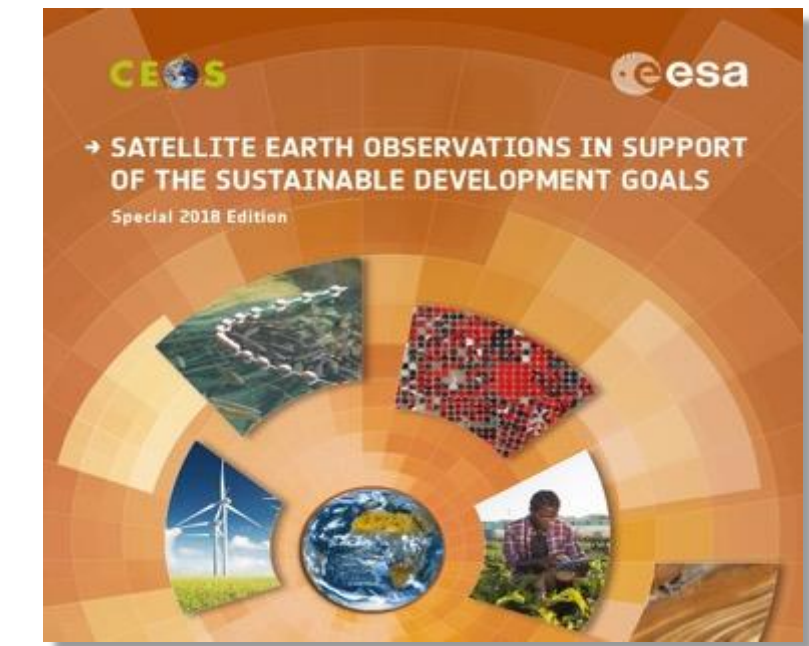


Time-series data sets of data cube

Highlights of Recent Activities with EO4SDG Engagement

CEOS Earth Observation Handbook on SDGs:

Released in March 2018 for the 49th Session of the UN Statistical Commission



GEO/CEOS at UN High Level Political Forum 2018 on SD:

Australia organized a side-event at the UN Headquarters



SDG Training Workshop at UN-GGIM 8

EO4SDG, UN-GGIM Americas, INEGI / Mexico, CEOS organized two-day workshop for water and land-related SDGs



SDG Events at UN World Data Forum 2018

EO4SDG – GPSDD Plenary Session

Upcoming: EO4SDG Awards Program

Annual awards for exemplary uses of Earth observations to support SDGs and their respective targets and indicators.



Web-Questionnaire on Uses of EO for SDGs by GEO Member Countries

- Web-questionnaire on the use of Earth observations for SDGs were sent to GEO Principals a week before the GEO Plenary.
- There are 12 questions including;
 - ✓ How is country using EO data for SDG analysis and reporting?
 - ✓ How is country planning to use EO data for SDG analysis and reporting?
 - ✓ What are major challenges in using EO data for SDG analysis and reporting?
 - ✓ What type of EO data is your organization using for SDG analysis and reporting?
 - ✓ What are lessons learned for use of EO data for SDGs?
 - ✓ Do you have any good practice or project documentation to share?
 - ✓ Please outline any specific support you would like to receive from EO4SDG or GEO
- As of Dec 5, there were **70 responses**, 33 incomplete and **a total of 37 complete responses**. Very useful information was already obtained.
- There were requests to allow late submission and due date was extended to Dec 14.

More Information

Group on Earth Observations (GEO)

www.earthobservations.org, Twitter: @GEOSEC2025

EO4SDG

www.eo4sdg.org , Twitter: @EO4SDG

Committee on Earth Observation Satellites (CEOS)

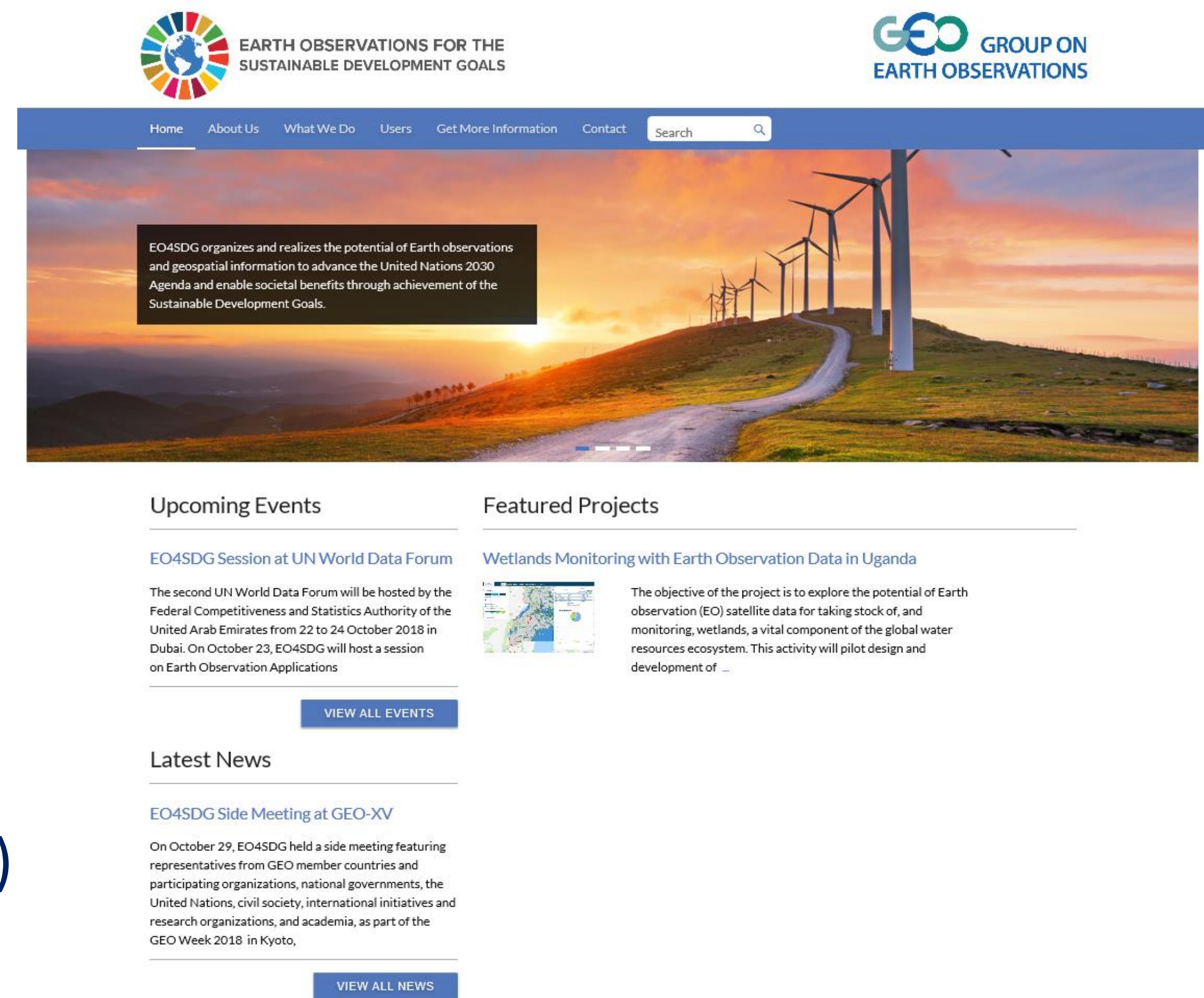
www.ceos.org, Twitter: @CEOSdotORG

CEOS SDG Support

www.ceos.org/ourwork/ad-hoc-teams/sustainable-development-goals

Earth Observation Handbook

www.eohandbook.com



EO4SDG

www.eo4sdg.org