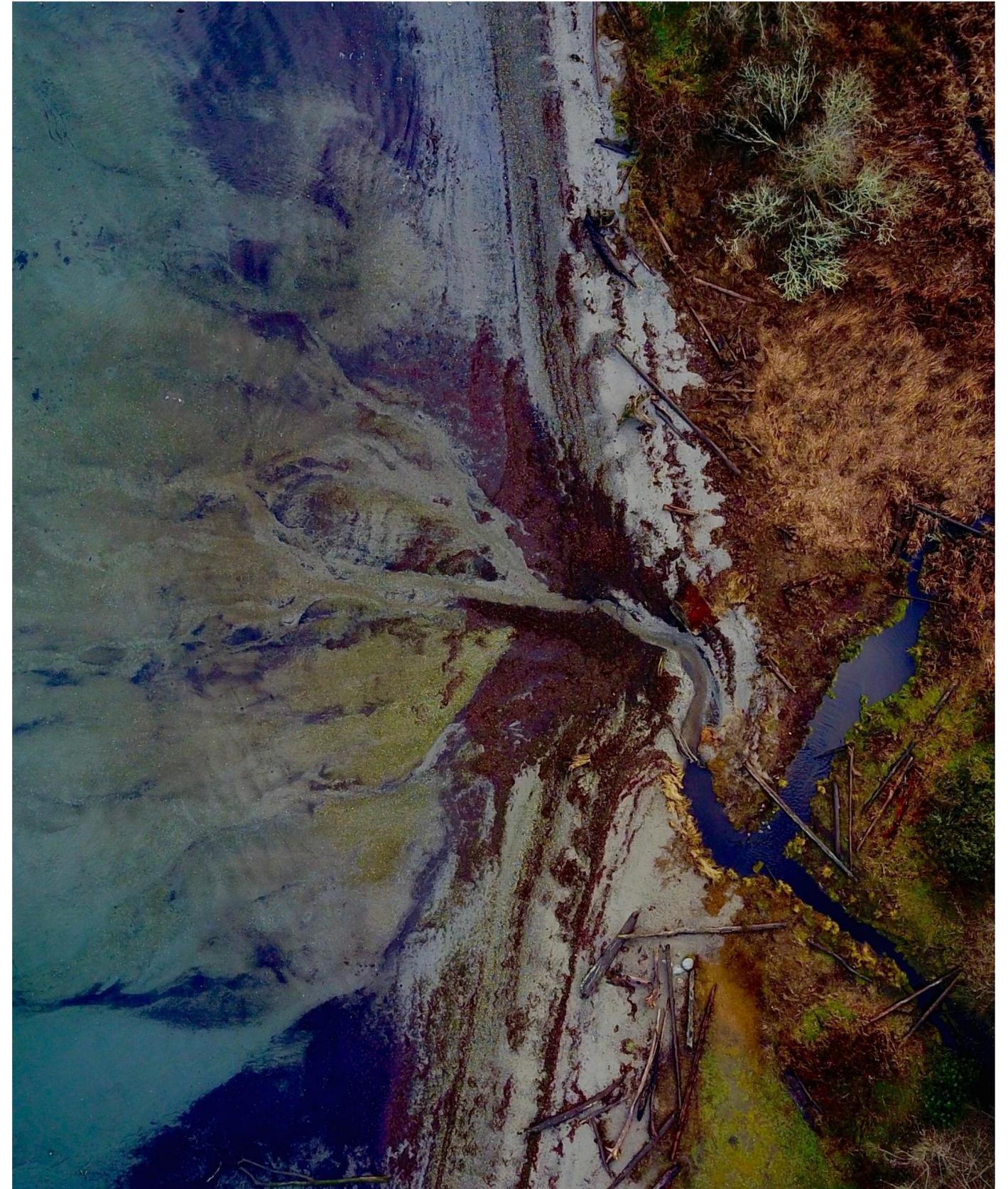




National Geospatial Advisory Committee

Washington DC, 12 June 2019

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GEO-AMAZON WEB SERVICES – EARTH OBSERVATION CLOUD CREDITS PROGRAMME

GEO and AWS have awarded \$1.5 million in grants, cloud services and technical support for projects in developing countries to use Earth observations to support sustainable environmental development based on GEO priorities.

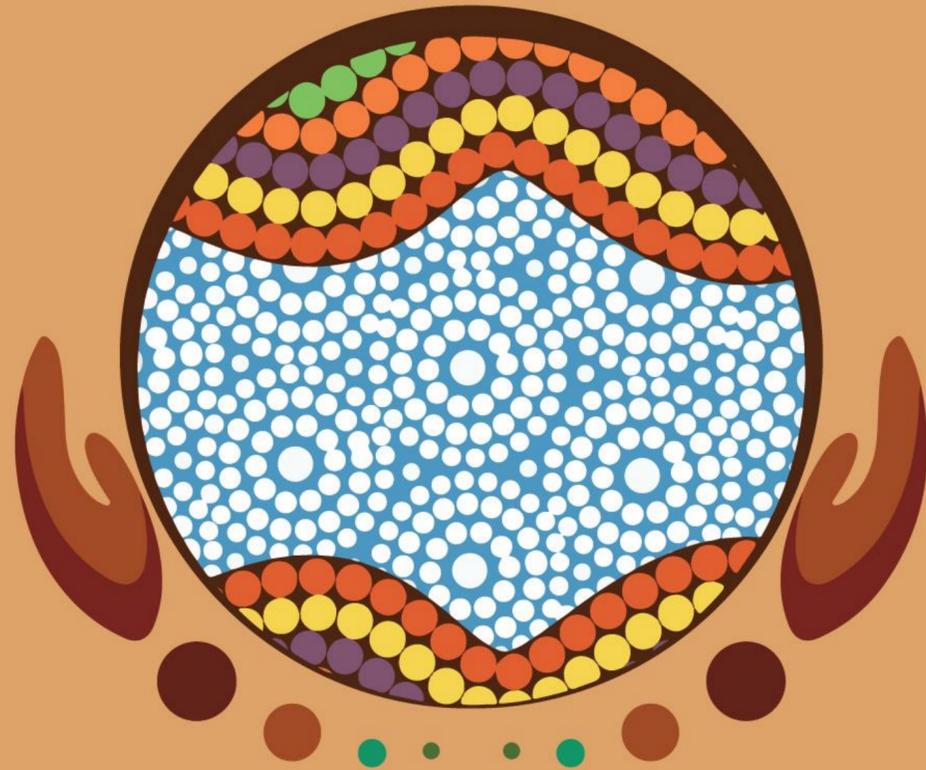
21 projects announced in 17 developing countries.

<http://www.earthobservations.org/article.php?id=362>



21 Projects from 17 Developing Countries

Brazilian Earth Observation Data Cube using AWS for Land Use and Cover Change	National Institute for Space Research (INPE)	Brazil	EO For Sustainable Development	National Institute of Statistics and Geography (INEGI, Mexico)	Mexico/Colombia
Fire Monitoring Service	Tsinghua University/China	China	South Asian drought monitoring and outlook system to support agricultural advisory processes	ICIMOD	Nepal
A Global Modeling Tool for Nature's Contributions to People in Sustainable Development	Ministry of Environment and Energy	Costa Rica	Operational monitoring system of ground deformations in Nigeria	Department of Geoinformatics and Surveying, University of Nigeria	Nigeria
Filtered Alert Hub Toolset	Cairo University, Electronics and Electrical Communications Engineering Department	Egypt	Spatial Agricultural Intelligence	African Regional Institute for Geospatial Information Science and Technology (AFRIGIST)	Nigeria
Computing Groundwater Potential in Arid and Semi-arid parts of Ethiopia.	Ministry of Water, Irrigation and Energy	Ethiopia	Implementation of a service of information to monitor the degradation of Zones Marino Coastal	Ministry of Environment / Direction of Monitory and Evaluation of the Natural Resources of the Territory.	Peru
Capacity Building on Monitoring of SDGs	Remote Sensing and Climate Center Ghana Space Science and Technology Institute	Ghana	Automation of processes in the cloud, for the generation of mosaics of annual satellite images free of clouds, to contribute in the generation of information on changes in forest cover.	National Program for the Conservation of Forests for the Mitigation of Climate Change of the Ministry of the Environment of Peru	Peru
Integrating Earth Observation Data with Censuses and Sample Surveys to Estimate Development Indicators for India	Indian Institute for Human Settlements	India	Air Quality Forecasting for Africa	Kigali Collaborative Research Center (KCRC)	Rwanda
AWS4AgriSAR-Crop inventory mapping from SAR data on cloud computing platform	Centre of Studies in Resources Engineering (CSRE) Indian Institute of Technology Bombay	India	AfriCultuReS Decision Support System (ADSS) Community Version	South African National Space Agency	South Africa
Global Mobile Tsunami Warning System using Amazon Web Sever—A Life-Saving Platform	Ikatan Ahli Tsunami Indonesia, Tsunami Research Foundation	Indonesia	Methodology for SDGs indicators assessment	Space Research Institute NAS Ukraine and SSA Ukraine	Ukraine
agriBORA - Geodata for actionable farm intelligence	Kenya Agricultural and Livestock Research Organization (KALRO)	Kenya	Deep Learning for Satellite Monitoring of Illegal Amber Mining in Ukraine	Kharkiv National University	Ukraine
			Monitoring Rice Paddy and Flood in the Lower Mekong Basin	HCMC Space Technology Application Center	Vietnam



GEO WEEK 2019

MINISTERIAL SUMMIT

4 - 9 NOVEMBER / CANBERRA, AUSTRALIA / #GEOWEEK19



Australian Government



The 4Cs

Discover, access and use open data

Capacity

Digital literacy, policy & technology translation, co-design and co-production of knowledge

Communications

Awareness raising, free resources, training schedules and venue

Collaboration

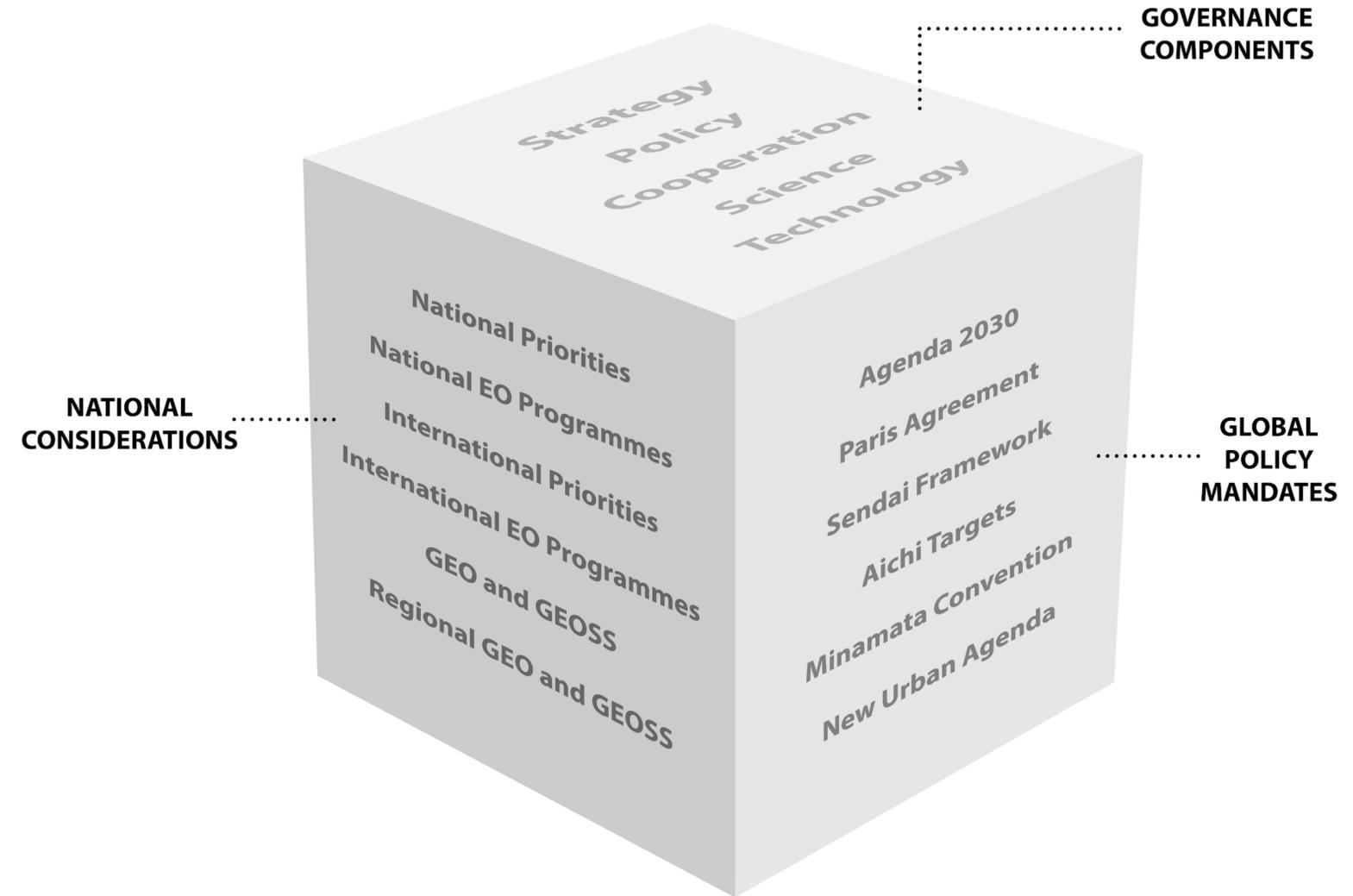
Community, human interoperability & regions

Commercial

Public Private Partnerships, platform & pricing



POLICY CUBE: EARTH OBSERVATIONS IN NATIONAL PLANNING



Group on Earth Observations

The GEO Work Programme for 2020-2022 now under review. Implementation Plans submitted for scores of international activities

http://earthobservations.org/gwp2020_dev.php



Group on Earth Observations

GEO BON GEO Biodiversity Observation Network	GEOGLAM GEO Global Agricultural Monitoring	GFOI Global Forest Observation Initiative	GOSAM Global Observation System for Mercury	
AfrIGEOSS Reinforcing Regional African Engagement	AmerIGEOSS	AOIGEOSS Asia-Oceania GEOSS	AquaWatch	Climate Change Impact Observation on Africa's Coastal Zones
GEO-DARMA Data Access for Risk Management	EO4EA Earth Observations for Ecosystem Accounting	EO4SDG Earth Observations in Service of the 2030 Agenda for Sustainable Development	EuroGEOSS	GEO Carbon and GHG Initiative
GEOCRI GEO Cold Regions Initiative	GNSL GEO Geohazard Sentinels and Natural Laboratories	GEO ECO GEO Global Ecosystem Initiative	GEO-GHOME Global Network for Observation and Information in Mountain Environments	GEOGLOWS GEO Global Water Sustainability
GEO Human Planet Initiative	GEOSS-EVOLVE	GEO LDM GEO Land Degradation Neutrality	GEO YENER GEO Vision for Energy	GEO Wetlands Initiative
GDIS Global Drought Information System	GOS4POPS Global Observations System for Persistent Organic Pollutants	Global Urban Observation and Information	GWIS Global Wildfire Information System	Ocean and Society: Blue Planet

Group on Earth Observations

GEO Engagement Priorities

Focus areas are the UN 2030 Agenda for Sustainable Development, the Paris Agreement on Climate and the Sendai Framework for Disaster Risk Reduction.

UN-Habitat recently invited GEO to support Sustainable Development Goal 11 and the **New Urban Agenda** through the GEO Work Programme.





Digital Earth
AFRICA

Digital Earth Africa will provide a unique continental-scale platform that delivers analysis ready data for operational purposes.

It will track changes across Africa in unprecedented detail, and provide data on a vast number of issues, including soil and coastal erosion, forest and desert development, water quality and changes to human settlements.

Announcement in March 2019, that almost \$18m USD has been raised to support the launch of Digital Earth Africa.



GEO – UN ENVIRONMENT WORKING GROUP ON NEW TECHNOLOGIES

GEO and UN Environment work with countries around the world on the management and application of global environmental data. As such, the partnership is working towards building and governing a **global ecosystem of environmental data and analytics**.

This is relevant for new and emerging technologies, such as blockchain and AI, as well as insights for evidence informed policy.



SCIENCE
POLICY
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#EO4IMPACT

Collaborate and communicate with GEO:

