

# Global Development Assistance

Accelerating Impact



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European Space Agency

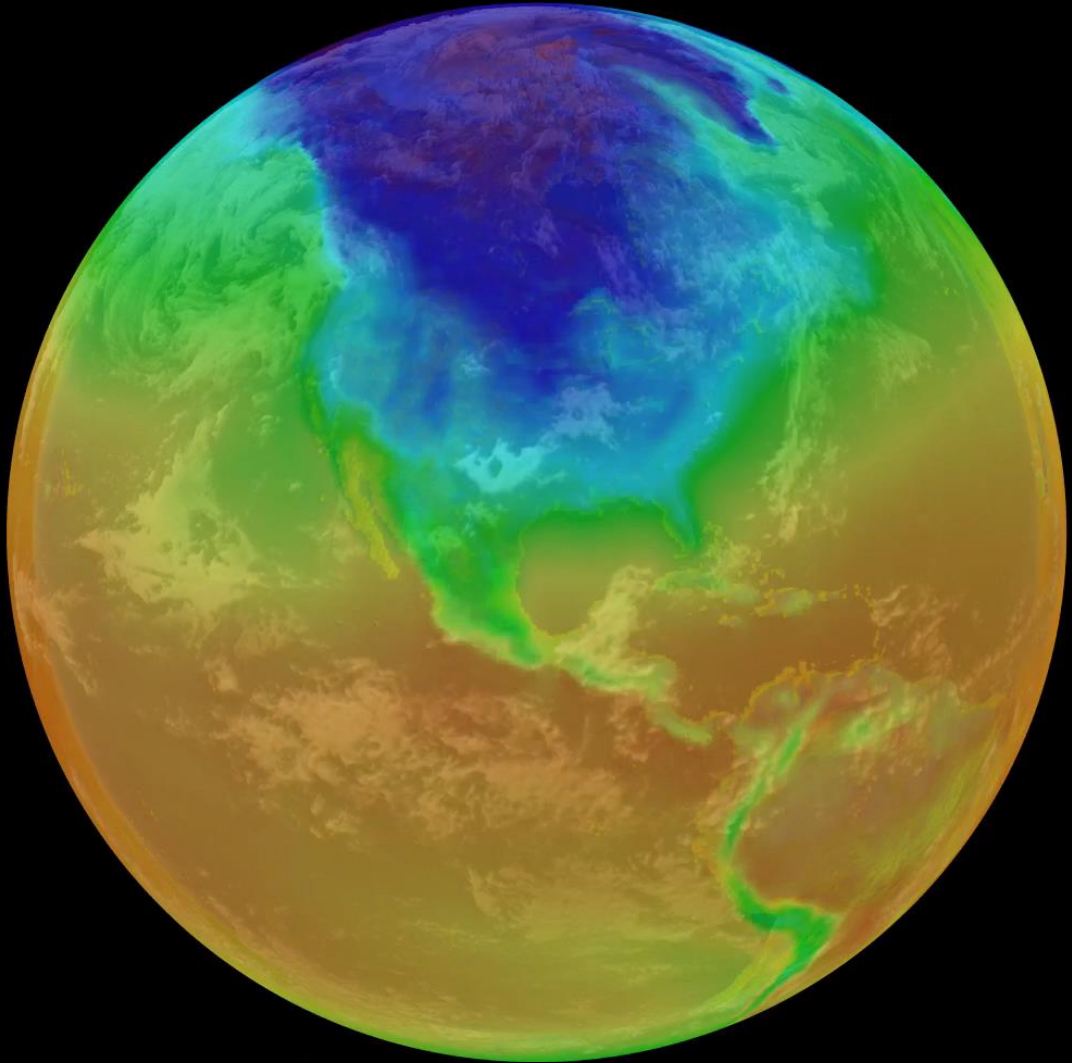
Directorate of Earth Observation Programmes

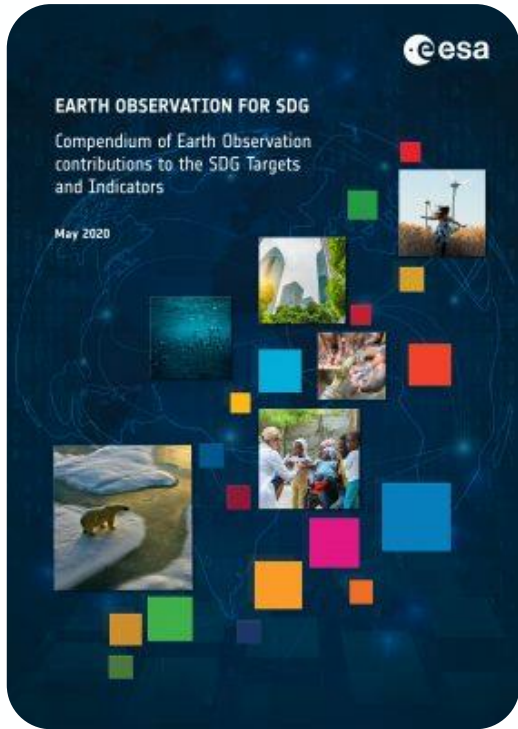
World Space Forum: Space4Climate Action – 9 December 2021

\* using inputs from teams across ESA EOP



# Feeling the Pulse of our Planet





## SDGs with major opportunities for EO data



EO potential contribution to SDG Targets and Indicators

Target										Goal	Indicator				
								1.4	1.5	1	1.4.2				
								2.3	2.4	2	2.4.1				
								3.3	3.4	3	3.9.1				
										4					
										5	5.a.1				
										6	6.3.1	6.3.2	6.4.2	6.5.1	6.6.1
										7	7.1.1				
										8					
										9	9.1.1	9.4.1			
										10					
										11	11.1.1	11.2.1	11.3.1	11.6.2	11.7.1
										12	12.a.1				
										13	13.1.1				
										14	14.3.1	14.4.1	14.5.1		
										15	15.1.1	15.2.1	15.3.1	15.4.1	15.4.2
										16					
										17	17.6.1	17.18.1			

Analysis performed by the GEO EO4SDGs initiative

# ESA Climate Change Initiative (CCI)



23 ECV projects, 2 budget closure projects, a data support project and a climate modelling project



climate modelling  
user group  
cci



climate change initiative

Oceanic



Terrestrial



Atmospheric



**1957**  
Sputnik

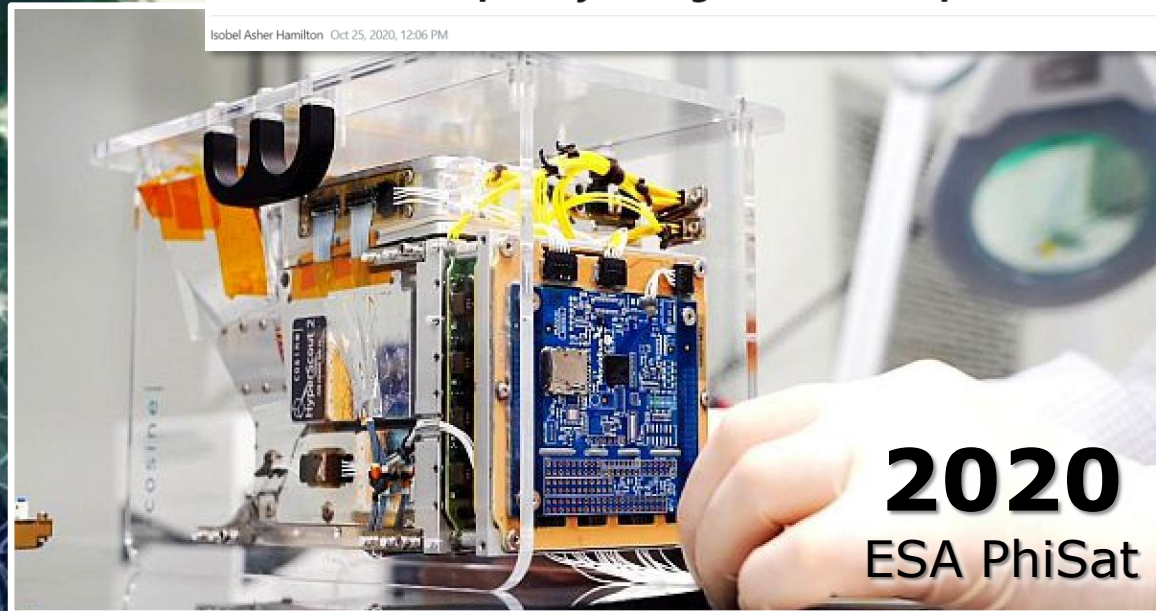


# Disruptive Tech

HOME > TECH

**The first satellite with AI onboard is now in orbit, and its tech could completely change how we respond to wildfires**

Isobel Asher Hamilton Oct 25, 2020, 12:06 PM



**2020**  
ESA PhiSat

<https://www.businessinsider.com/intel-esa-launch-ai-satellite-phisat-1-2020-10>

"All the News That's Fit to Print"

## The New York Times.

**LATE CITY EDITION**  
U. S. Weather Service Report: Fog in Jersey, Cloudy and cool today and tonight.  
Monday Fair. Tomorrow:  
Temp. range: 65-75. Tuesday: 63.4-69.2.

VOL. CVII...No. 36,614. NEW YORK, SATURDAY, OCTOBER 5, 1957. FIVE CENTS

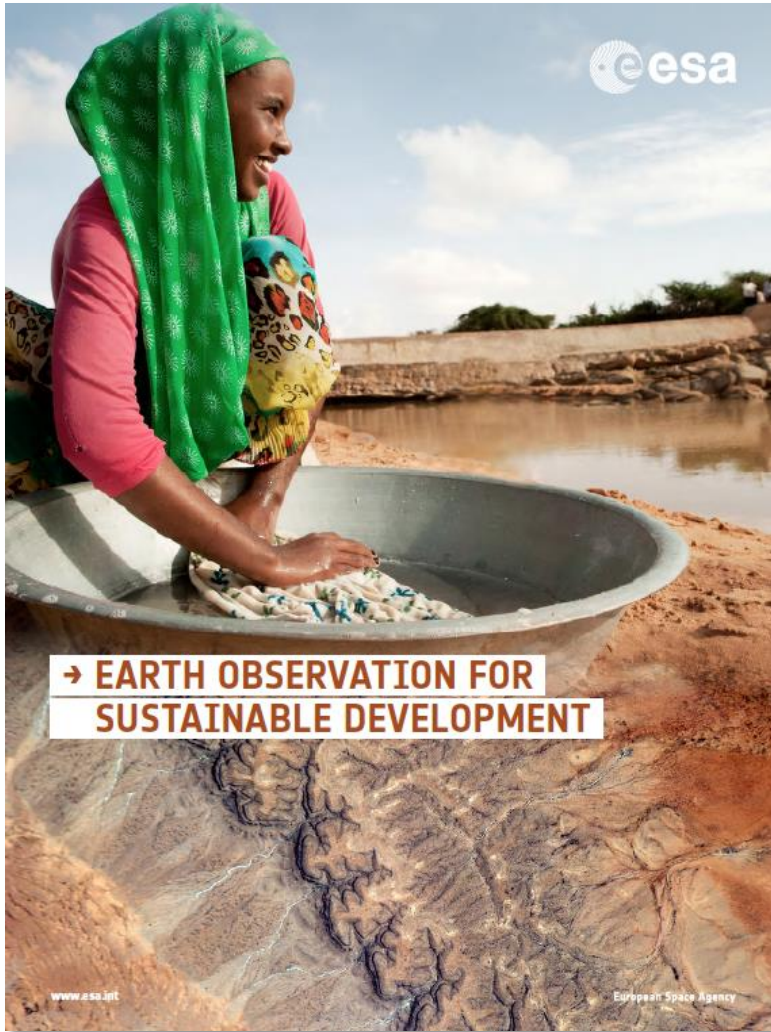
**SOVIET FIRES EARTH SATELLITE INTO SPACE;  
IT IS CIRCLING THE GLOBE AT 18,000 M. P. H.;  
SPHERE TRACKED IN 4 CROSSINGS OVER U. S.**



***Innovation*** doesn't  
always come in form of a new  
product or ***new technology***...

... sometimes it's about a  
***new way*** to address  
an old ***problem***

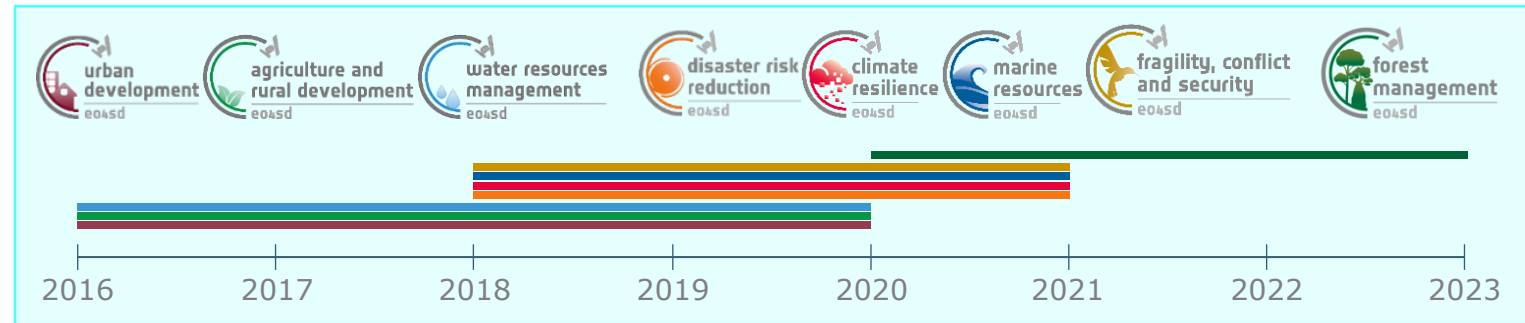
- Bernard Lord (CEO, Medavie)



- eoworld: 2008-2015**  
 Small-scale **demonstrations of EO services** in support of IFI projects to raise awareness



- EO4SD: 2016-2023**  
**Consolidate requirements**, engage stakeholders (IFIs & client states) via regional demonstrations of EO



- GDA: 2020-2025** – part of **Space for IDA**  
**Mainstream & transfer EO** into operational working processes & financing of ODA/development aid as 'best-practice' source of geo-information





13 ESA participating states

5 years

Space for IDA partnership

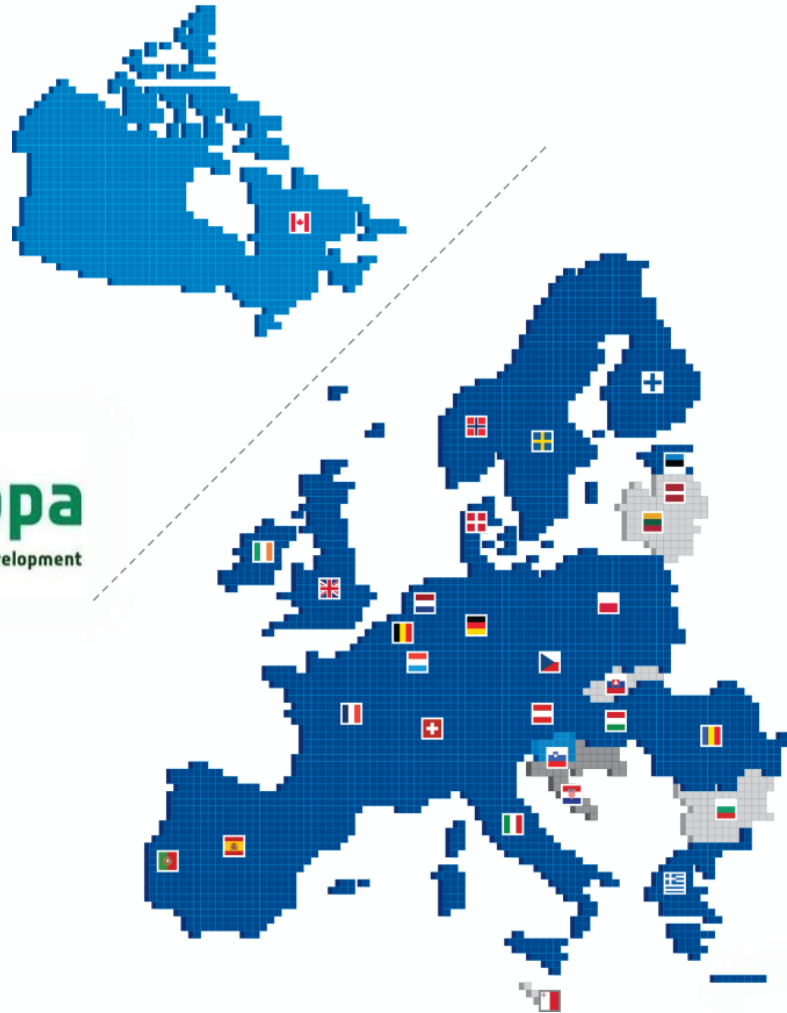
> \$100 million mobilized

an evolution

yet a launch of something new







Since the start of the ESA collaboration with IFIs we worked with **more than 100 service providers** from **more than 20 different countries**





BROUGHT TO YOU BY WORLD BANK GROUP

## Open Learning Campus

ACCELERATING SOLUTIONS THROUGH LEARNING



**Christoph Aubrecht**  
European Space Agency Representative to the World Bank | Geospatial Strategist...  
3mo • Edited •

Great compilation of material produced under the @European Space Agency - EO4SD-urban initiative in collaboration with and support of The World Bank's #GPSC Global Platform for Sustainable Cities program. Presented as a 'City Adacemy' at the recent #GPSC Annual Meeting in São Paulo, Brazil - Zoltan Bartalis, Tomas Soukup, Hervis GHOMSI, Amelie Broszeit

**New Online Course: How to Use Geospatial Information Technology (GIT) in Fragile Contexts**

News  
Wednesday 19 February, UNOSAT launched a new online course entitled "Geospatial Information Technology (GIT) in Fragile Contexts" developed under the scope of this project.

20 February 2020

**City Academy 4**  
Geospatial data and Spatial planning



### Targeted capacity building session in The Gambia

News  
Workshop on Earth Observation supporting Disaster Risk Reduction in Greater Banjul

31 October 2020



### EO4SD Climate Resilience stakeholder & capacity building workshop

News  
The EO4SD Climate Resilience cluster organised together with IGAD ICPAC stakeholder and capacity building workshop in Nairobi (Kenya) on 13 March 2019. The workshop aims to demonstrate the value of Earth observation data to climate-resilient development through a series of presentations, discussions, and hands-on training.

22 January 2019



### GIS & RS Workshop with EO4SD - how it went in Cambodia

News  
As part of the continuing capacity building efforts of the EO4SD project in Cambodia, a short two-day interim GIS/RS workshop was delivered to 37 project staff and other persons associated with the Asian Development Banks' Tonle Sap Poverty Reduction and Smallholder Development Project (TSSD) project.

22 May 2019



### Remote Sensing Capacity Building event in Bolivia

News  
The main aim of the EO4SD Agriculture cluster is to support development by building capacity in the use of EO data and information to support various initiatives in Africa, Latin America and Asia. This time, the cluster team travelled to Bolivia.

30 September 2019



### EO4SD Marine training course for West Africa

News  
Around 70 participants from across West Africa attended an EO4SD marine training course in support of the WACA project.

28 April 2020



### Addis Ababa held the second edition of the EO4SD Capacity Building workshop

News  
A short overview of the second edition of the EO4SD Capacity Building workshop held in Addis Ababa.

01 March 2019



# From Piloting to Mainstreaming

1998

# Availability

# Accessibility

# Awareness

# Acceptance

# Adoption

*Knowledge Development*

*Capacity Building*

*Skills Transfer*



Agriculture

Water Resources

Clean Energy

Marine Environment & Blue Economy

Fragility, Conflict & Security

Climate Resilience

Urban Sustainability

Disaster Resilience

# GDA

Global Development Assistance




Monitoring & Evaluation

# Space for IDA: Resource Mobilization

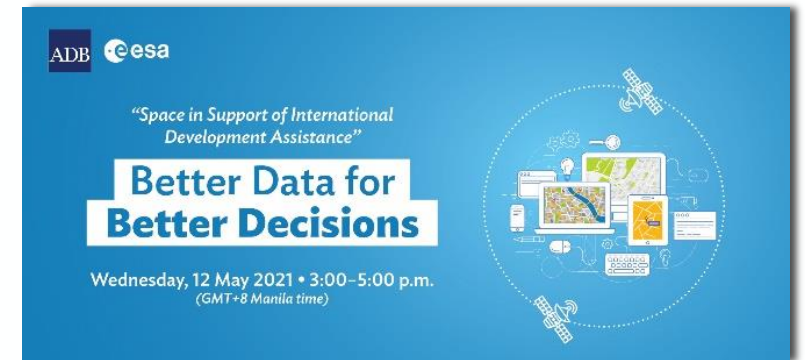


Thanks to GDA, the joint **Space for IDA** initiative has **mobilized >100\$ million**, including **development finance commitments for ~69\$ million** dedicated to **capacity-building** associated with and in support of GDA **technical developments**

 **Dedicated programmatic structures** are being put in place by WB & ADB to **facilitate coordination** and **resource mobilization**, following a **holistic approach to development finance**



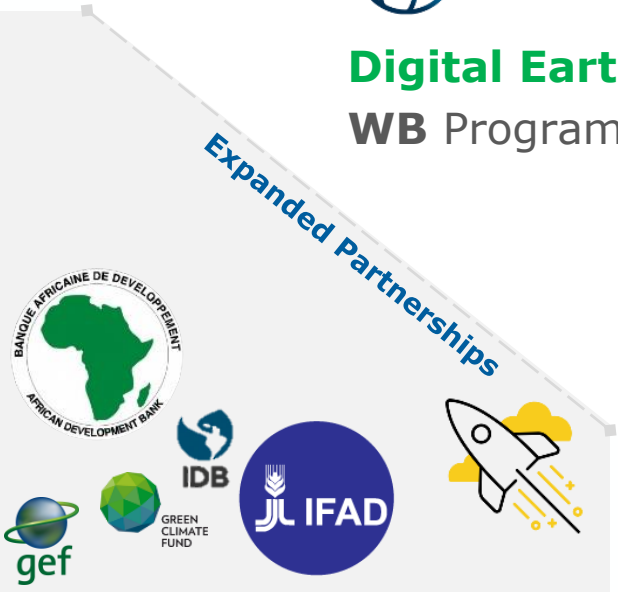
**Digital Earth Partnership**  
WB Program



*Donor-oriented high-level knowledge events in 04-05/2021*



**EO for Development & Digital Transformation**  
ADB Program



The word 'Adoption' written vertically in a large, green, sans-serif font. To the left of the text is a white graphic of a winding road with dashed lines, set against a dark blue background.A satellite image of Earth showing the Americas, with green landmasses and blue oceans. The image is partially obscured by text and other graphics.

*“ All of us have always been fascinated by the **potential** that this technology gives us in the development space. Now it has gone **beyond the fascination**. Now we are entering a stage where we can actually turn the beautiful images into **real management decisions**.”*

Juergen Voegele, VP, World Bank

**space-4-IDA**

International Development Assistance

**“ Mainstreaming EO in dev. assistance and realizing its full operational potential.”**