

A strategy for a results-oriented GEOSS: relation to AOGEOSS

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GEO Secretariat Director

What is this object?



What is its relation to GEO?

What is this object?



What is shared becomes our common good!

What is its relation to GEO?

DIRECTOR

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Promoting Data Free for All

On a recent trip to Washington to meet with U.S. government officials to discuss possi- "With Landsat-type data, the only model that makes sense is data free for all," he said. "There is

"With Landsat-type data, the only model that makes sense is data free to all. There is no commercial possibility for exploiting the data and still making an impact on society."
(July 2006)

a mistake.

Rains and staff writer Brian Berger.



SPACE NEWS PHOTO BY JAMES J. LEE

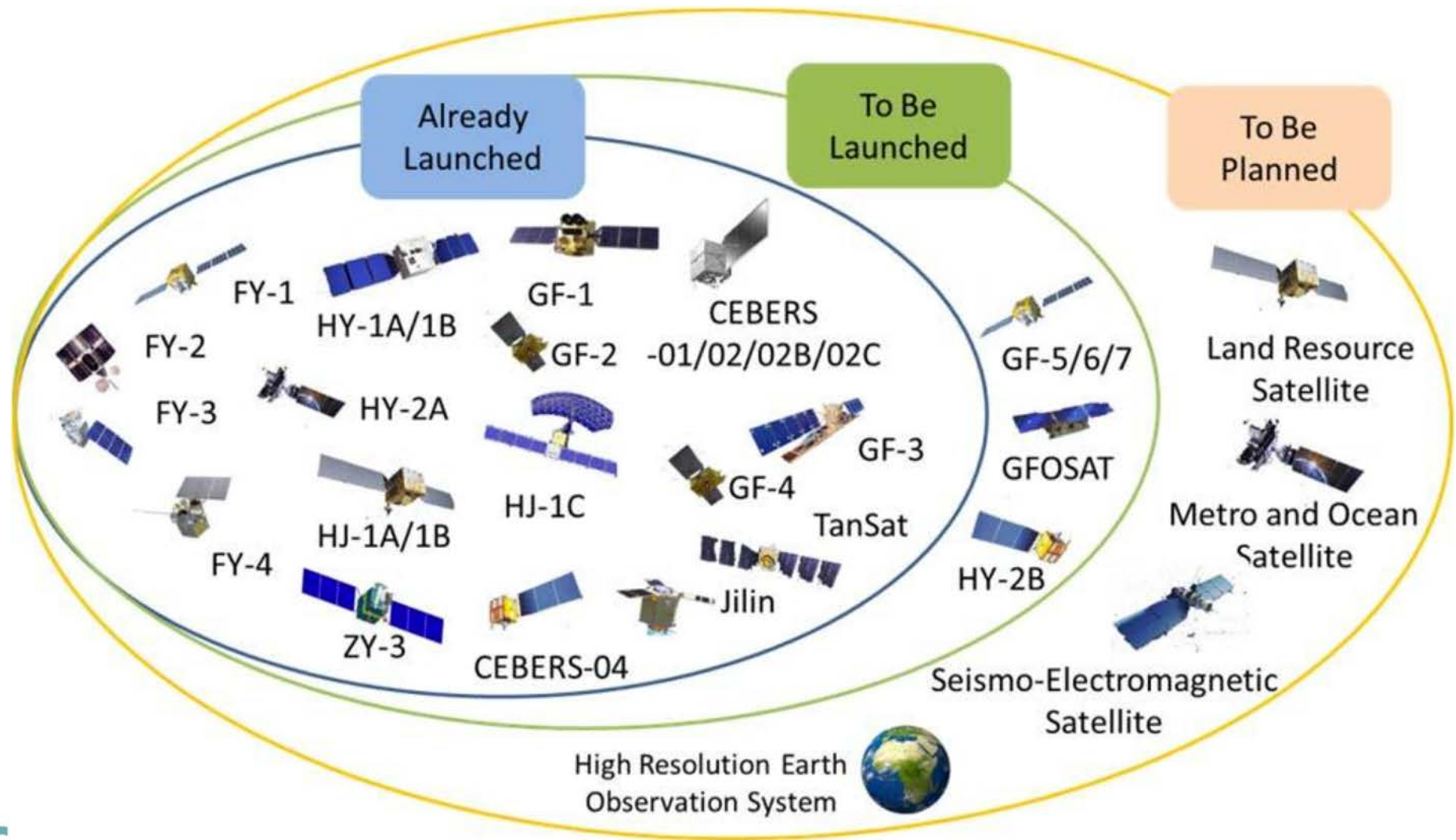


nature

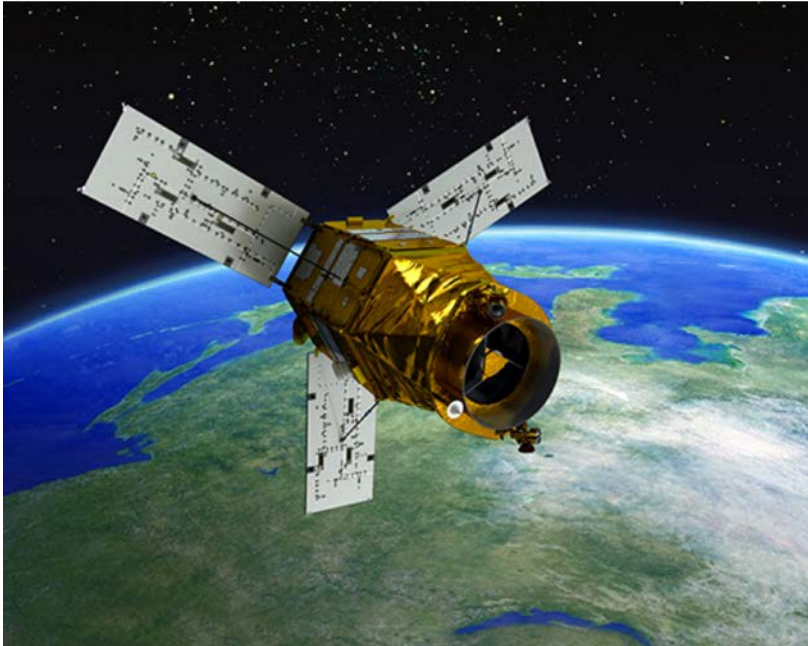
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“A few satellites can cover the entire globe, but there needs to be a system in place to ensure their images are readily available to everyone who needs them. Brazil has set an important precedent by making its Earth observation data available, and the rest of the world should follow suit.” (March 2008)

China: Earth Observation satellites



Korea: Earth Observation satellites



KOMPSAT-3A



KOMPSAT-5

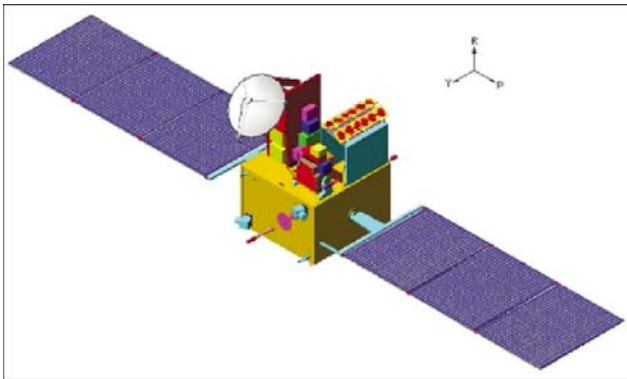
India: Earth Observation satellites



RESOURCESAT



CARTOSAT

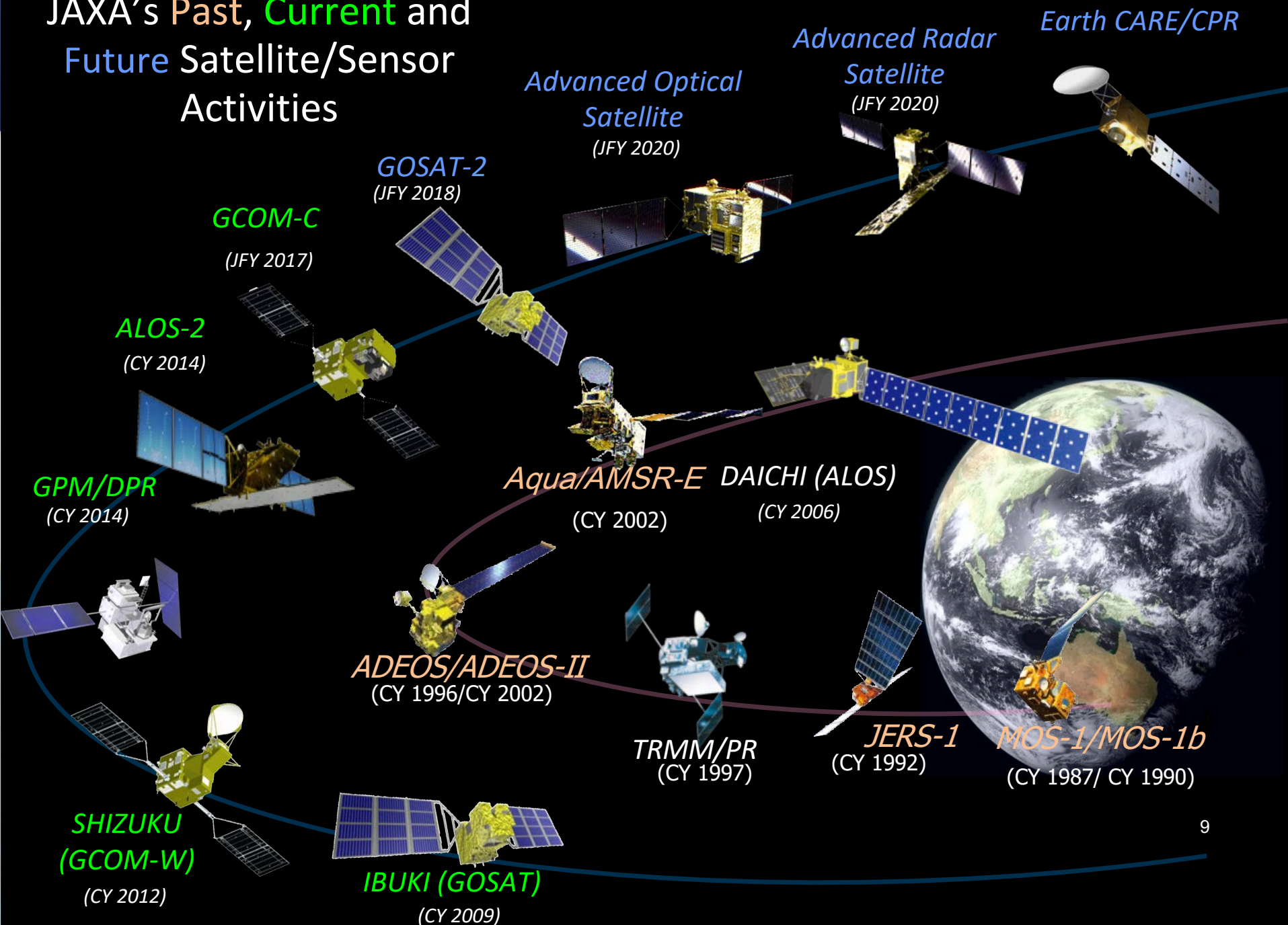


OCEANSAT



INSAT

JAXA's Past, Current and Future Satellite/Sensor Activities

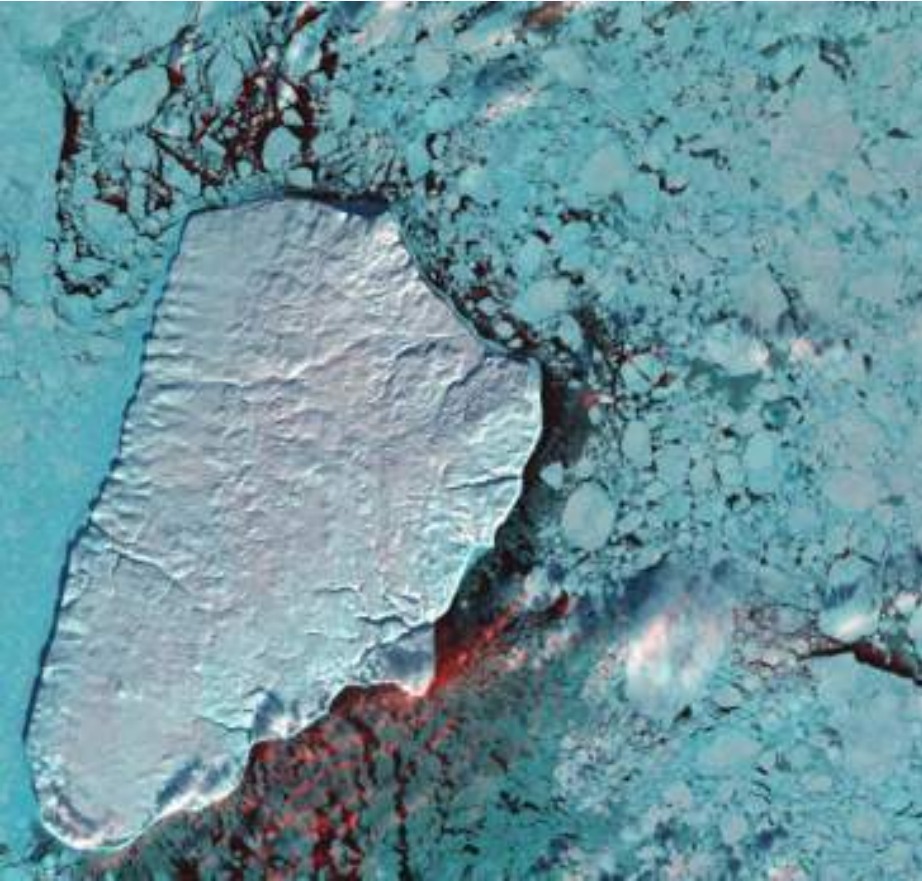




Maisons Inondées au sud de Dacca, Bangladesh. (N 23°21' E 90°31')

The world needs your data!

Knowledge and action for sustainable development



Knowledge: informs us about the
limits of our planet



Action: societies decide how to
use our planet's resources

The right way: Building institutions for sustainability

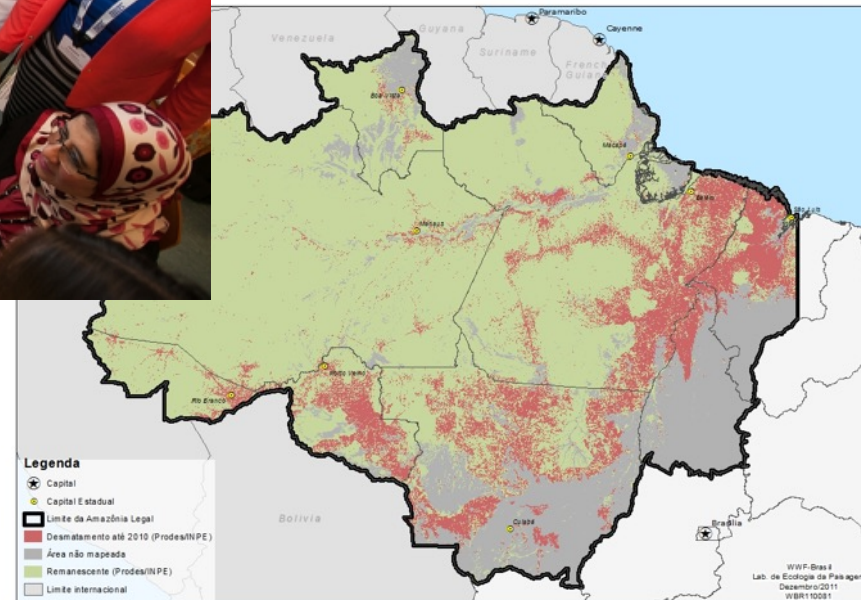
Trust is the key!

Earth obs data

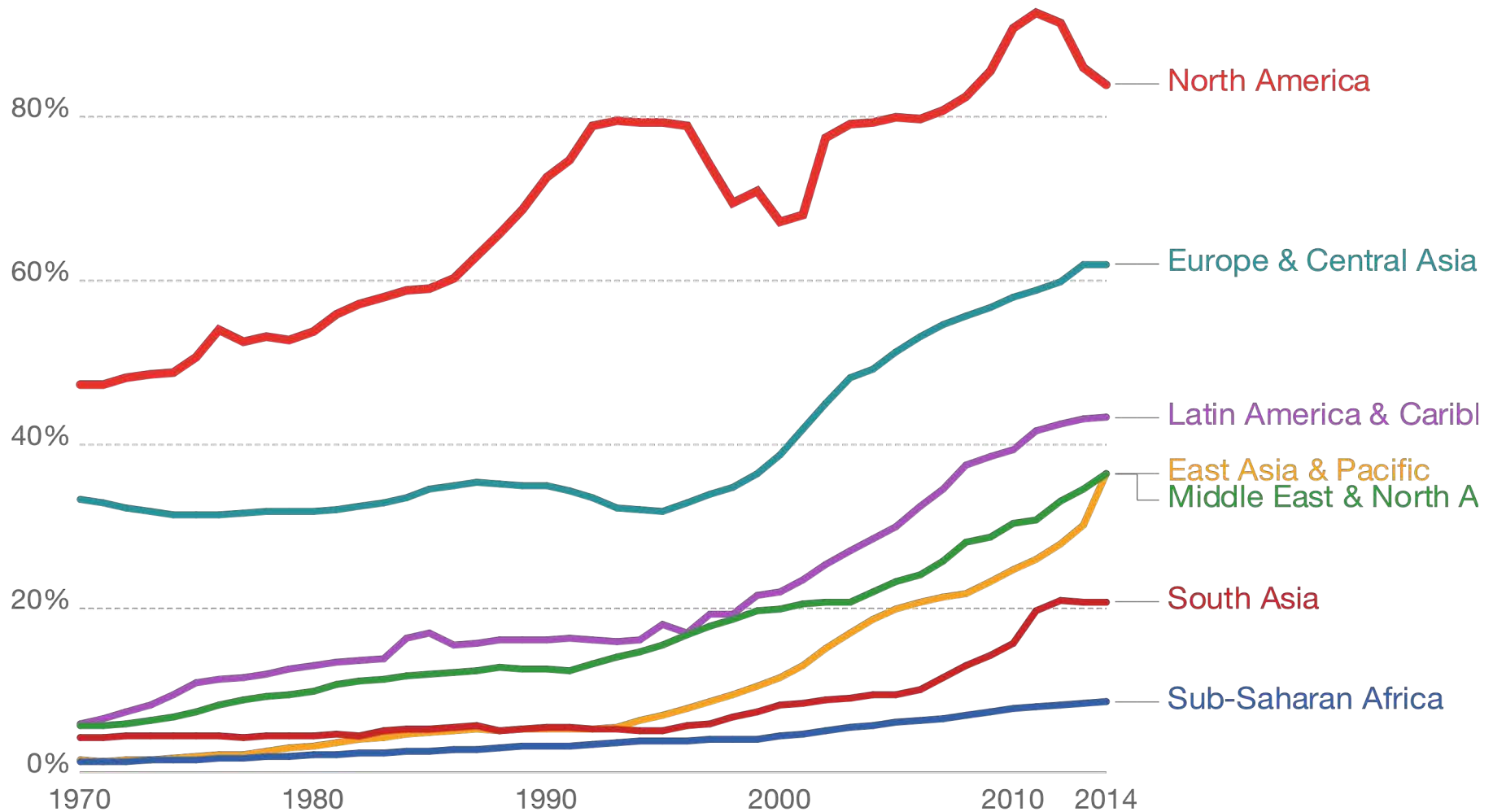


socially robust results

co-design & co-production



The world is becoming more educated: enrolment rate in tertiary education



Source: World Bank

OurWorldInData.org/tertiary-education/ • CC BY-SA

source: World Bank

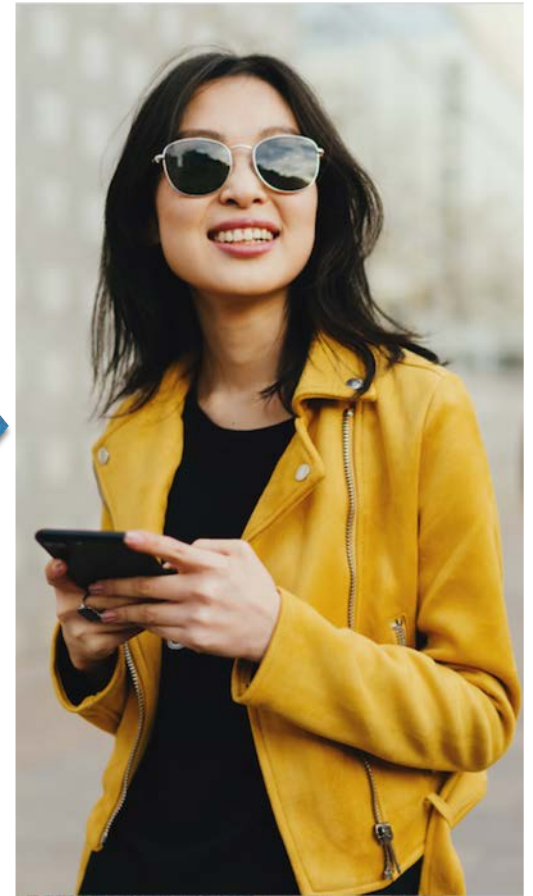
The new digital economy



big data



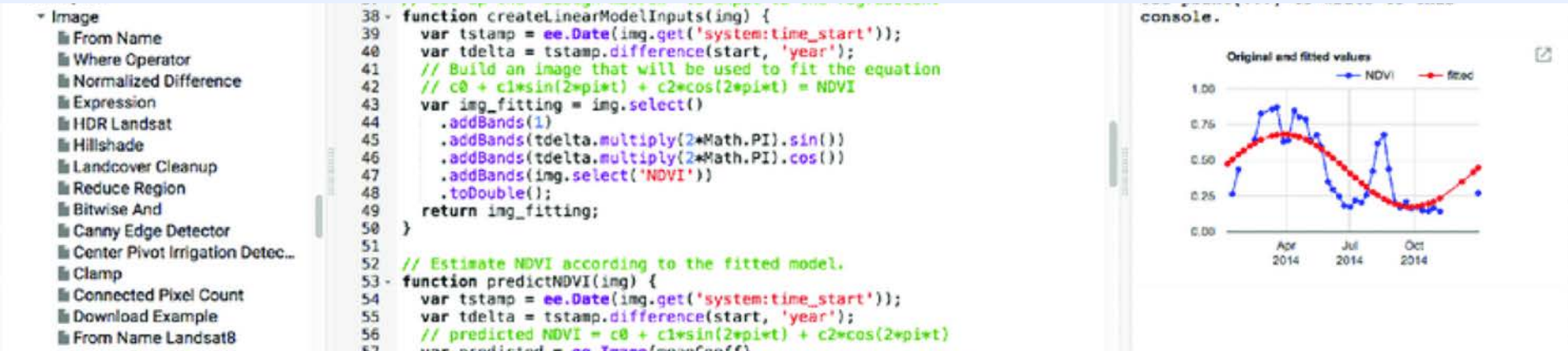
Low access
cost



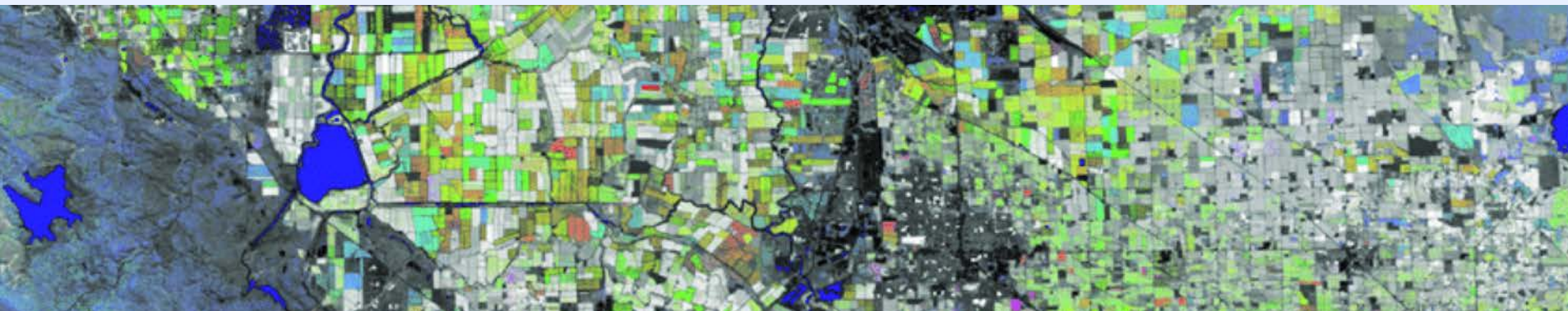
massive use

Google, Twitter, Facebook, Spotify, Netflix,...

Google Earth Engine: Silicon Valley comes to Earth observations



Global enabler (2.000+ papers): low entry cost to big Earth observation data analysis



but...no public decision on data, no long term guarantee

The digital economy effect



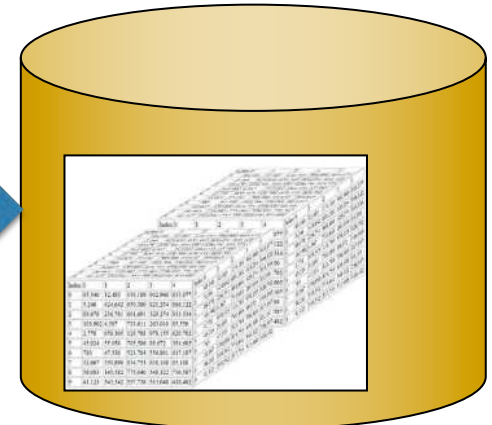
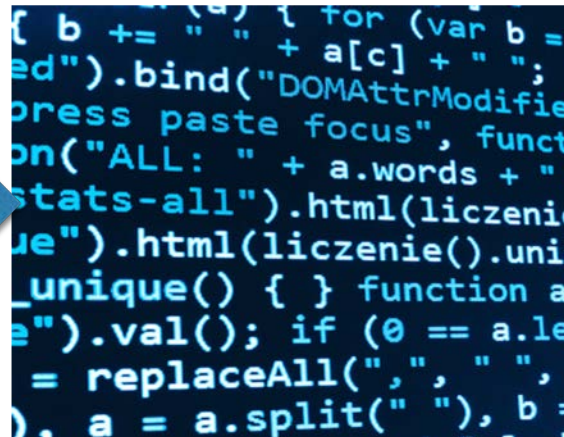
The Global South will only use EO information which is free at the point of access. **Who will pay for it?**

What the global EO community needs

Empowered
global experts

Reusable, shared
knowledge

Cloud
architectures



APIs

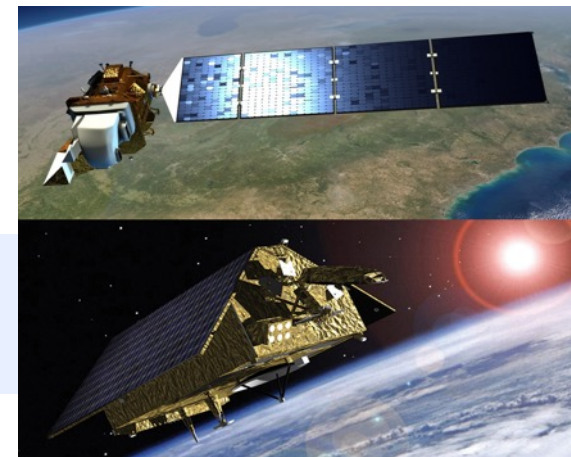


APIs



In-situ
observations

Multi-satellite
data



Where GEOSS is going

metadata hub



knowledge hub

Trusted, reproducible,
and robust guidance on
best use of Earth
observation data for
decision-making



**Let's build and share knowledge
for a sustainable planet!**