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## **Global Workshop on Earth Observation 2024 Terceira Island, Azores, Portugal**

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## Context

1. Geospatial tech and Earth Observation (EO) in support of SDGs
2. The role of international organizations and in particular of the UNCTAD + CSTD
3. Launch of the initiative AIR Centre + UNCTAD (thanks to the Government of Portugal)
4. Our aims and vision



# Sustainable Development Goals: where are we?

- **Progress is far from ideal** : insufficient and uneven.
- Assessment of 140 SDG targets : 12% are on track; half are off-track and 30% no movement or regressed (2015 baseline, UN 2023).
- Carbon dioxide levels continue to rise. Renewables remain a fraction of energy supplies;
- By 2030: 575 million people will remain in extreme poverty, 660 million people will be without electricity and 2 billion will rely on polluting technologies; and
- 84 million children will be out of school.

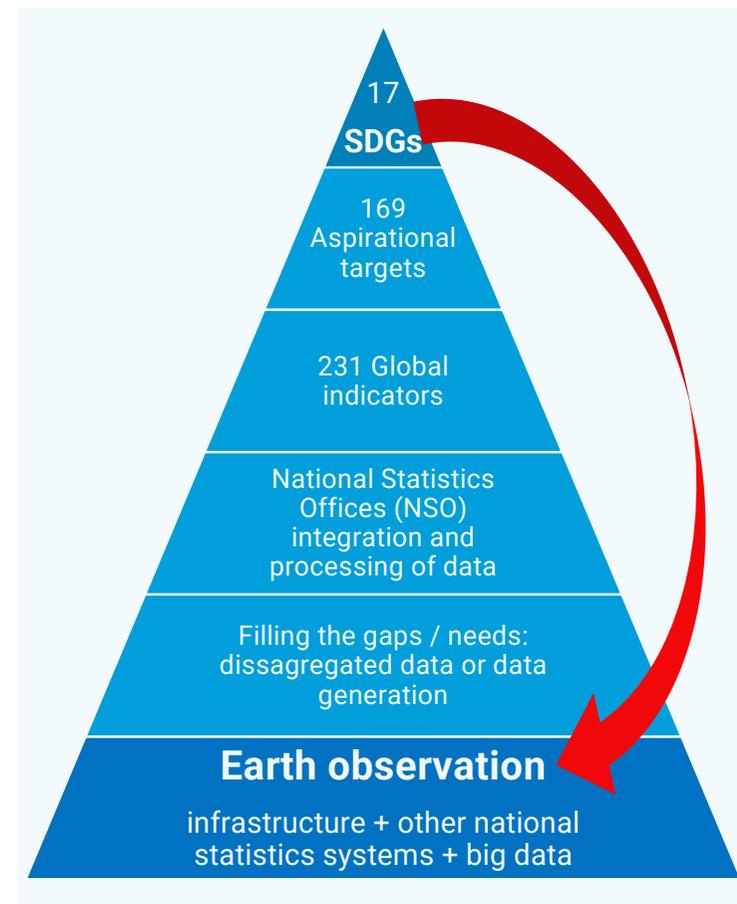
The contribution of GS technologies to SDGs varies significantly **with EO taking the lead** (Baumgart et. al)



## Earth Observation is key in support of SDGs

- Tech brings positive change → **better outcomes**.
- 2030 Agenda is **evidence-based and data driven**. But DCs face serious challenges.
- To track progress on SDGs, DCs require **accessible, reliable, timely and disaggregated data = a major challenge**.
- In DCs, there is a need to **modernize & strengthen monitoring and assessment systems and inform policy** for SDGs:
  - Technological gaps,
  - Limited human capacity,
  - Data accessibility and infrastructure,
  - Strengthen institutional frameworks & governance for effective use of EO.

**To address DC challenges = collaborative effort  
TA/CB to empower DCs in harnessing the benefits of EO.**



Source: UNCTAD adapted from  
<http://www.eohandbook.com/sdg/>

# Harnessing space technological applications for SDGs: a call for action at the global, regional and national levels



CSTD 23rd session priority themes:

1. Harnessing rapid technological change for inclusive and sustainable development.
2. Exploring space technologies for SD.

With Portuguese Government funding : the initiative is launched.

Priority themes for 2024:

1. Data for development
2. Global cooperation in STI

M/S continue to place high priority to data



UNCTAD, in particular the S&T Branch:

- Addresses tech solutions to global SD
- Through 3 pillars:
  1. Intergovernmental track
  2. Research (TIR)
  3. Technical cooperation projects and CB

It supports CSTD M/S and works on TA projects beyond CSTD

# What bring us here : a partnership with the AIR Centre

Harnessing space technological applications for SDGs.

Objectives : to assist experts, particular attention to **female scientists, to use GS tech and EO to increase resilience to sustainable development challenges.**

Build capacities to **absorb, manipulate, interpret and digitalize information** in support of policy-making and reporting on progress for SDGs, including SDG 5 on gender equality in STI.

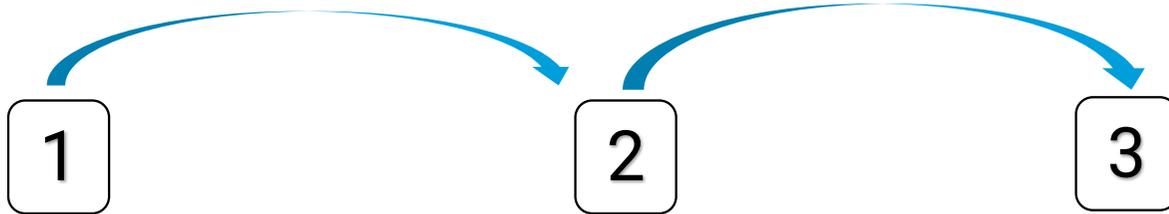
Funded by the **Government of Portugal.**

Expectations

- **To train and share knowledge** for policy-making (open-source non-proprietary system);
- **To build a community (Julia);**
- **Generate impact** to accelerate SDG progress
- **Replicate & adapt to other countries:** pilot programme



## Some takeaways



There is a need for accelerated progress on SDGs and for DCs to access the latest tech advancements.

= **GST & EO are recognized tools towards this end.**

This Conference will provide you with state-of-the-art tools to process data and collaborate on EO.

= **Build a community of experts that will continue to collaborate.**

Beyond this Conference, think outside the box: strengthen linkages between the scientific community and policymakers.

= **Reach out to officials in support of evidenced-based policy-making for SDGs.**

**Thank you very much**

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