

ESA LPS

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How can Earth Observation Technologies advance Sustainable and Inclusive Adaptation: a Perspective from the Private Sector

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UNU-EHS Event, 25 May

TECHNOLOGICAL BACKGROUND & CHALLENGES

We are living a unprecedented era

- Access to a wealth of EO data notably thanks to the Copernicus Programme (open access policy)
- Processing resources on the Cloud have become more accessible

=> both spurred development of applications to address international policy needs (UNFCCC, UNCBD, UNSDG...)


However,

- Navigating across the EO data and Cloud offer is rough
- Technologies and standards are complex and evolve quickly
- EO support to policy making on CC adaptation critically needed in developing countries
- Cloud-based services imply data ownership, sovereignty and privacy aspects

OPPORTUNITIES

- Continuity of Sentinel observations at least until 2030 (Sentinels),
- Research missions (e.g., Earth Explorer ones)
- Open policy for both data and processing chains, notably from Space agencies
- Vibrant online EO expert communities
- Cloud-services need to expand further user support and training
- Copernicus Space Component Data Access Services to address such needs
- Consolidation needed to facilitate further Cloud-based data access and processing
- Identify key gaps that hamper uptake of Cloud-based solutions (cf. ongoing survey from ESA)

ESA'S ONGOING USER SURVEY

 **European Space Agen...** ✓ Following
418,291 followers
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Earth Observation data users, we want to hear from you!

#ESA Earth Observation have opened a number of **#surveys** to collect the EO community requirements, needs and desires as well as feedback on EO data access.

1. Open Earth Forum community requirements survey 🖱️ <https://lnkd.in/eBAEkmyy>
2. Earth Observation Open science practices survey 🖱️ <https://lnkd.in/eHtKwZxg>
3. ESA EO Data Access and User Services 🖱️ <https://lnkd.in/eGQVGBzB>

As thank you, the various ESA **#EO** teams are also offering some nice prizes. Get involved!

