



Geospatial Intelligence in support of environmental compliance assurance

Pieter Beck and the GEOINT team

JRC. D1 European Commission's Joint Research Centre

Copernicus thematic workshop on Compliance Assurance 20 June 2024

Joint
Research
Centre

Environmental Rule of Law:

Tracking Progress and Charting
Future Directions



Establish a technology-policy interface

to “enable environmental agencies and organizations involved in implementation of environmental law to better understand and take advantage of technology”

Recommendation 4 on Environmental Rule of Law:
[UNEP](#) (2023)

Special Report

EU funding for biodiversity and climate change in EU forests:

positive but limited results

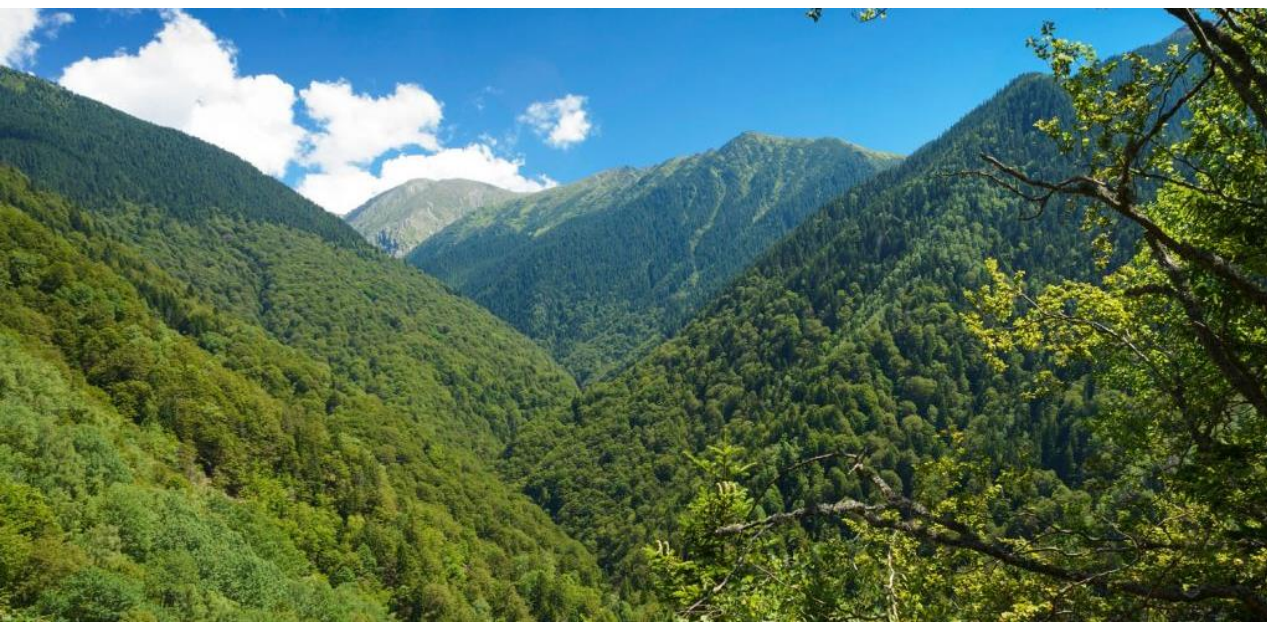


EUROPEAN
COURT
OF AUDITORS

European Court of Auditors

Special Report 21/2021

The Commission should [...] extend [its] use, and promote Member States' use of, geospatial intelligence including remote sensing techniques to better assure compliance with EU requirements concerning forest management and illegal logging.





The Turów mine dispute between Poland and the Czech Republic

- **Background**

- after the CJEU's order in May 2021 to stop extraction activities, the Turów mine continued to operate.
- From September 2021 the CJEU gave Poland a daily penalty of 500 000€.
- The Commission was responsible for checking any claims that coal extraction activities had stopped



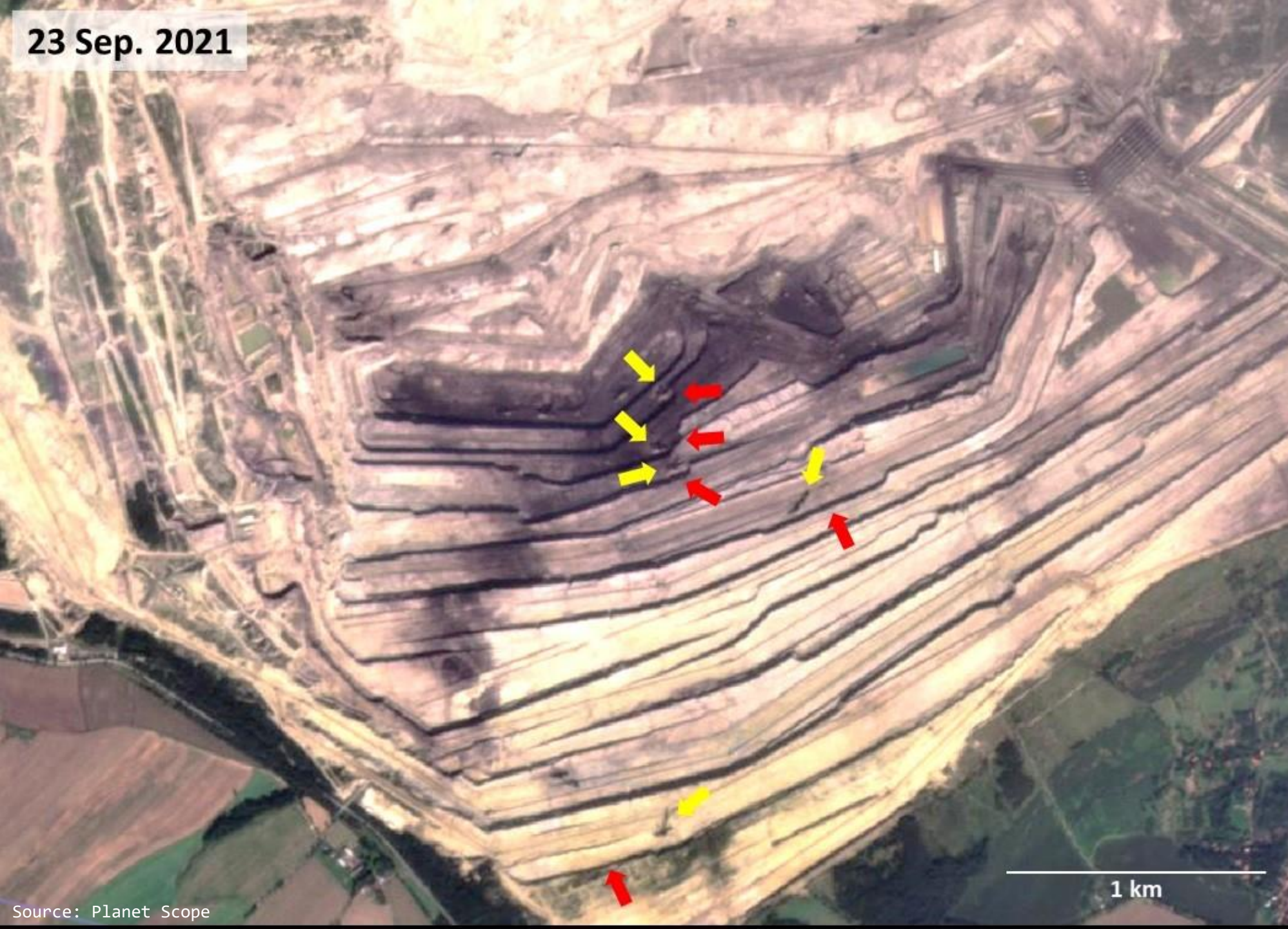
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14 Sep. 2021

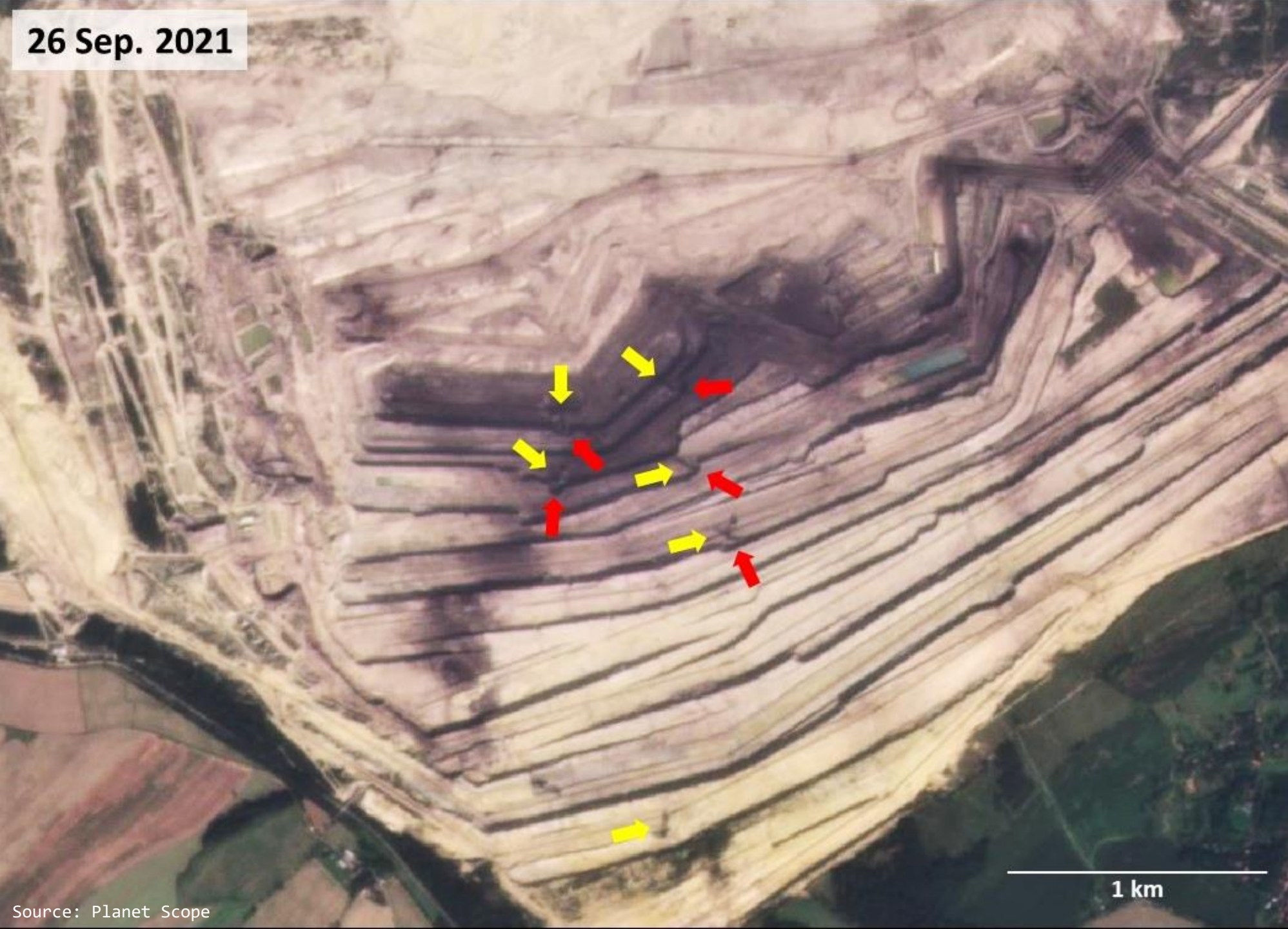


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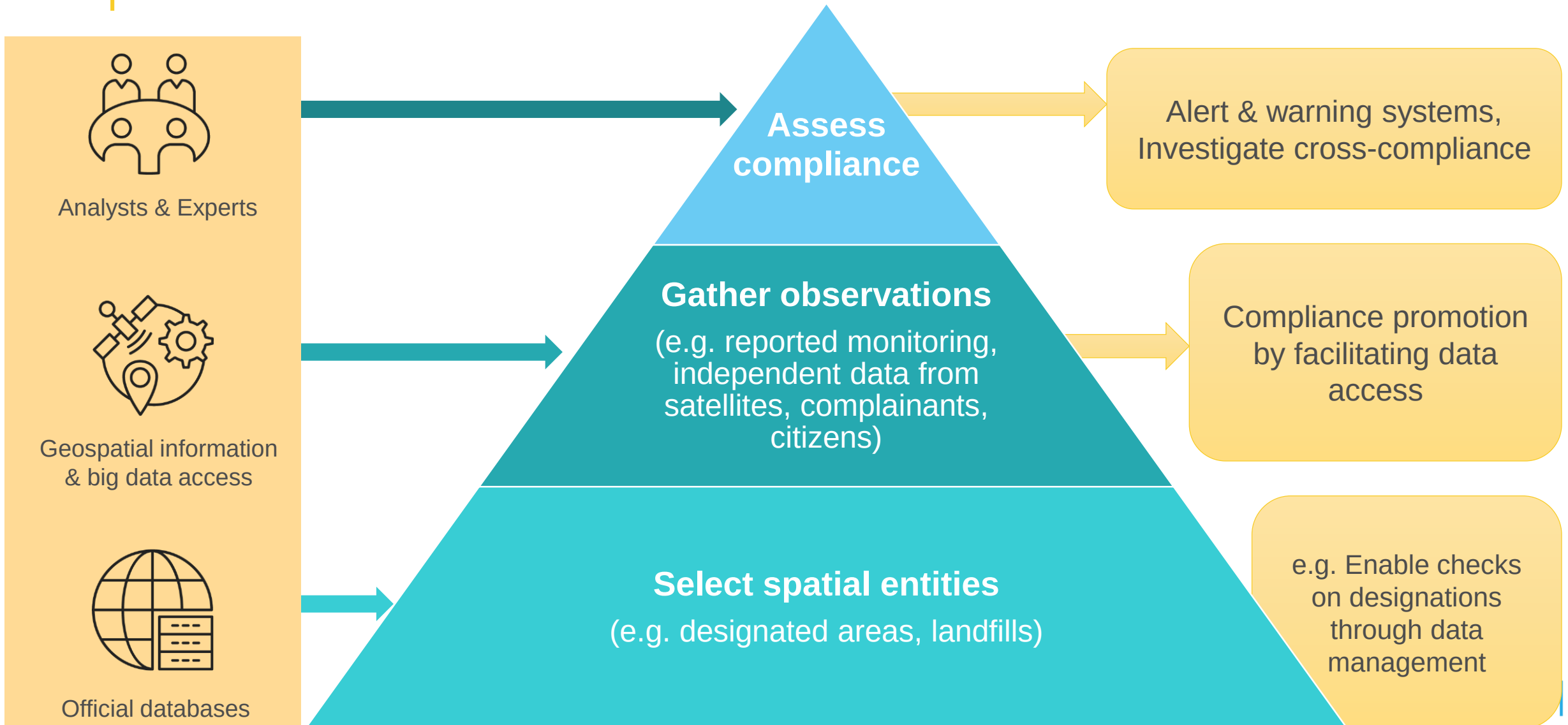
23 Sep. 2021



26 Sep. 2021



What it takes to assess compliance risk with EO





European
Commission



The European Commission's
science and knowledge service

Joint Research Centre

11-12 JUNE 2024 📍 ESA-ESRIN, FRASCATI, ITALY

ENVIRONMENTAL CRIMES WORKSHOP 2024

PROGRAMME



European
Commission

EU Space Programme ([Regulation \(EU\) 2021/696](#))

Article 49 – Scope of Copernicus

Copernicus shall comprise the following elements

- a) data acquisition, [...]
- b) data and information processing through **Copernicus Services**, which shall include activities for the generation of value-added information to **support environmental** monitoring, reporting and **compliance assurance**, civil protection and security services;

Lessons learned

- **Legislation** determines strongly to what extent EO can be used to support compliance
- There is **large demand and potential** for EO to provide both near-real time and historical information; myriad pilot projects – few operational ones
- the environmental compliance community in the EU (DG ENV + [The Four networks](#)) is looking for **an “entry point” to the Copernicus services**
 - What can which service offer? Conditions on use of the service? Who do I call?
- Building a technology-policy interface requires a sustained effort

Thank you