

CEOIS

Community Earth Observation Intelligence Service



Omanos combines community intelligence and other ground data sources with satellite data analysis to identify and monitor social and environmental impacts. CEOIS helps improve transparency and reduce risk arising from large infrastructure projects or industrial developments.

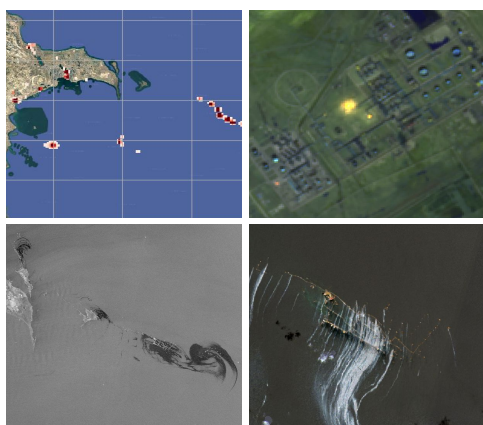
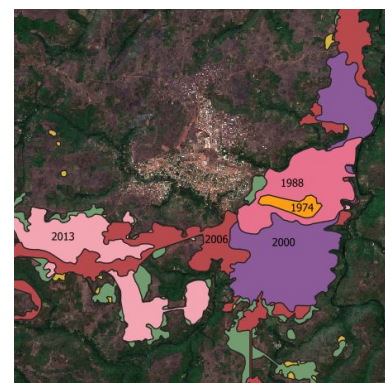
Expertise spans mining, geothermal, hydrocarbons, logging, agriculture/small-scale cropland, looking at impacts including but not limited to: forced displacement/land grabs; access to water; soil, water, and noise pollution; landslides; and deforestation.

Product

Earth Observation (EO) data can provide objective evidence of environmental and social impacts reported by communities; likewise community insights add critical nuance to what we can see from space. Omanos synthesises **satellite data** with **community insights** to produce multi-sourced **evidence** for a range of scenarios, from legal arbitration to advocacy.

Omanos' data products are built on a rigorous scientific base, and are **designed for impact** and tailored to be **accessible** to non-scientists.

Workshops at the beginning and end of each project ensure clear investigation parameters and practical outputs, tailored to client needs.



Process

Omanos prioritises free-to-access EO data - Copernicus, Landsat, VIIRS, high resolution from Google Earth - combined with commercial sources, in order to ensure **cost efficiency** for clients.

Data analysis is tailored to each case. **GIS mapping** using on-the-ground data from local people and EO provides community focused insights.

Techniques such as NDVI and other **EO indices** are employed to investigate reports of impact (e.g. water source damage, ground contamination, deforestation).

Our approaches prioritise **flexibility**. We are constantly adapting and developing to **solve new problems**.

Our work is grounded in the principle of do no harm, with **data security**, **conflict sensitivity**, and **community safety** embedded into all processes.

Base EO Datasets	GSD	Stakeholders	Data Products
Copernicus Sentinel 1 & 2	5-10m	Developers	User-focused reports
Landsat	30m	Government regulators	Slide decks
MODIS	250m	Investors	GIS products
VIIRS Nightfire	375m	Communities	Interactive visualisations
Hi-res	30cm - 3m	Independent monitoring bodies	