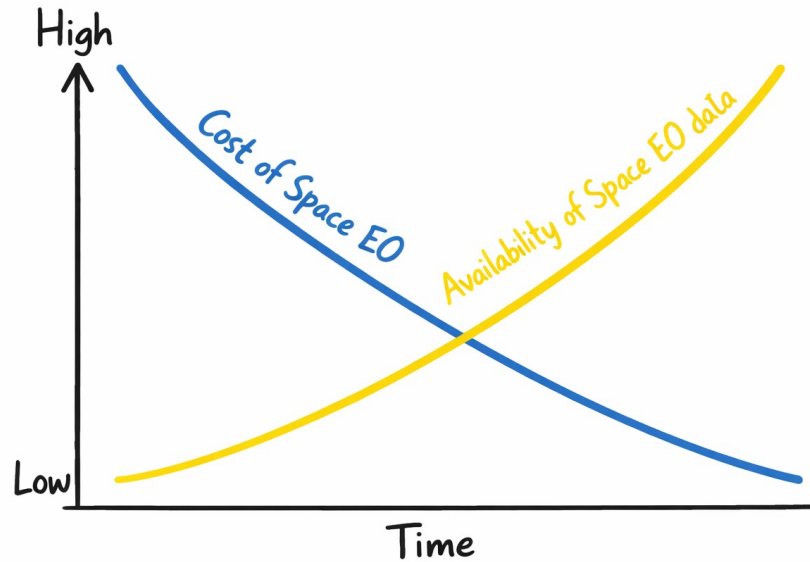


The Role of Space in the Information Era

Space2Earth Seminar – GWF 2026

Road to the democratization of space EO data



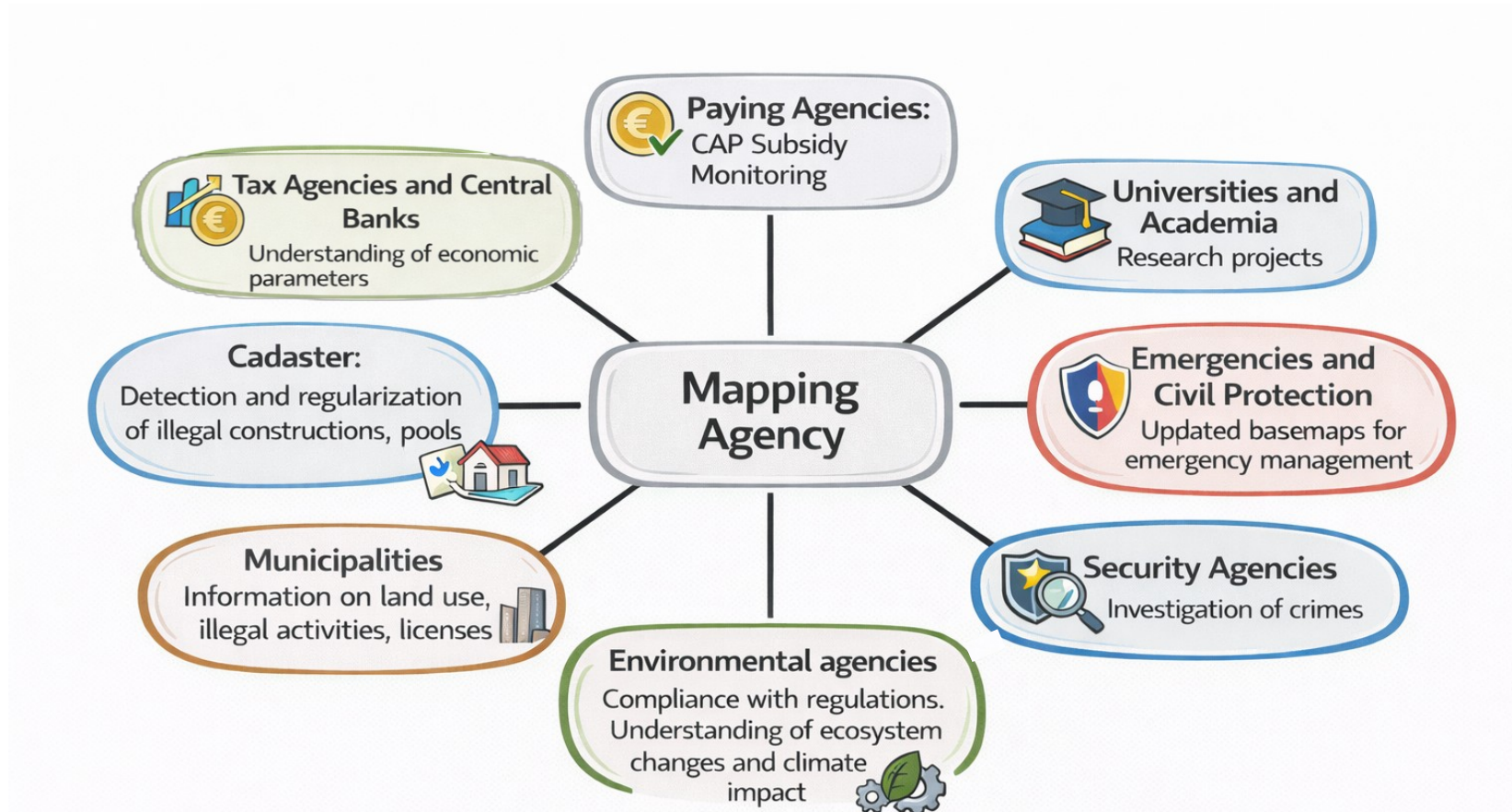
Space EO data is becoming a **continuous source of information for our societies**.

Mapping Agencies have the **opportunity** to become the **key enablers** of Space EO Data for all government users and society in general.

This requires a bold strategy for:

- Data acquisition
- Data harmonization and quality assurance
- Data exploitation
- Dissemination accross government and society

EO dataset reusability accross government

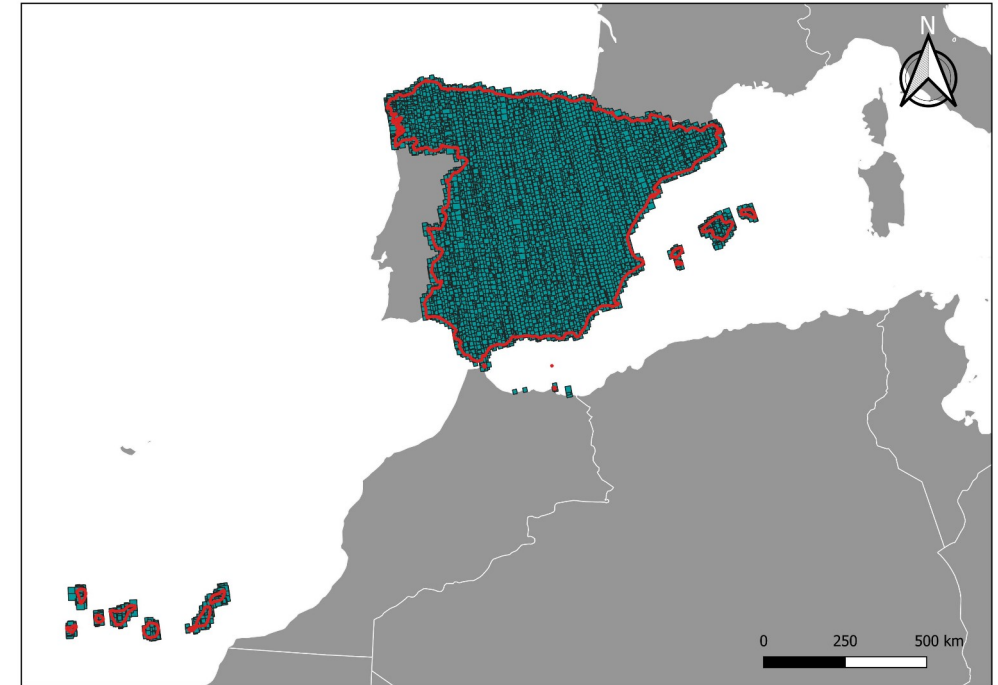


Success case – IGN Spain

Instituto Geográfico Nacional (IGN) in Spain has implemented 3 territory observation plans:

- ▶ **PNOA:** National Plan for Aerial Orthophotos – Every 3 years since 2004.
- ▶ **PNOA-LIDAR:** National Plan for Aerial LiDAR – The third coverage is currently underway.
- ▶ **PNT: National Plan for Remote Sensing (with satellites).**
Uses Copernicus data + One GEOSAT-2 coverage per year (PAN 75cm + MS 3m), from 2021 to 2023

Satellite coverage provides a yearly update of the territory at very high resolution, enabling multiple applications. License covers all Governmental entities in Spain.



GEOSAT 2 coverage of Spain – year 2023

IGN Spain - Applications

GEOSAT-2 yearly satellite coverages (2021-2023) have enabled a wide range of applications with significant user adoption within **European, national, regional and local governments**. Some examples provided below:

- ▶ **Agriculture:** Crop monitoring, tracking of agricultural activities. CAP subsidy monitoring and claim resolution.
- ▶ **Environmental protection:** Investigation and reporting of environmental crimes. Compliance with environmental regulations.
- ▶ **Natural resources:** Monitoring and classification of natural resources. Biodiversity studies. Water management.
- ▶ **Urban Management:** Cartographic management. Identification of asbestos covers. Urban planning.



Example Image: GEOSAT-2. Agriculture.