



## EEA – European Commission Service Level Agreement

Mainstreaming GEOSS data sharing and management principles in support of Europe's environment

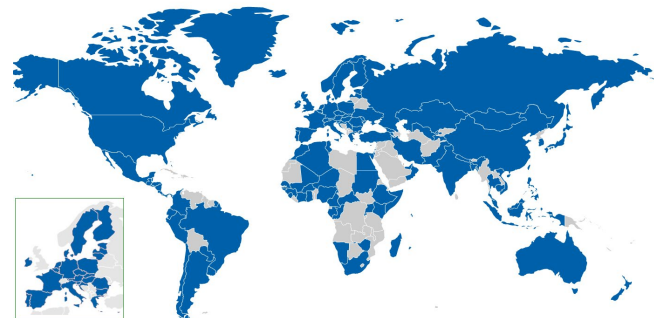


**Jose Miguel RUBIO IGLESIAS**  
European Environment Agency

# Some background on GEO



Since 2005



112 Countries + EC  
134 Organisations



data



community

agreement



3 global priorities



analysis



Flagships, initiatives, communities



# GEOSS Data Sharing & Management principles

## Data Sharing Principles

- Open data and metadata
- Registration and attribution if necessary
- Minimal restrictions when open data is not possible
- Minimum time delay



## Data Management Principles

Data (and metadata) shall be:

- Discoverable
- Accessible
- Usable
- Preserved
- Curated

DMP label			
	Discoverable	1	D
	Accessible	2	A
	Standard encoding using	3	Usability
	Well documented metadata	4	
	Traceable	5	
	Quality documented	6	
	Preserved	7	Preservation
	Periodically verified	8	
	Reviewed and refreshed	9	Curation
	Tagged with permanent ID	10	

[https://www.earthobservations.org/documents/open\\_eo\\_data/GEO Strategic Plan 2016 2025 Implementing GEOSS.pdf](https://www.earthobservations.org/documents/open_eo_data/GEO_Strategic_Plan_2016_2025_Implementing_GEOSS.pdf)

[https://www.earthobservations.org/documents/open\\_eo\\_data/GEO Strategic Plan 2016 2025 Implementing GEOSS Reference Document.pdf](https://www.earthobservations.org/documents/open_eo_data/GEO_Strategic_Plan_2016_2025_Implementing_GEOSS_Reference_Document.pdf)



# EEA as the European environmental data hub

EEA is a European partner well placed to **strengthen the use of GEOSS data** in support of EU environmental policy and decision making



In Situ

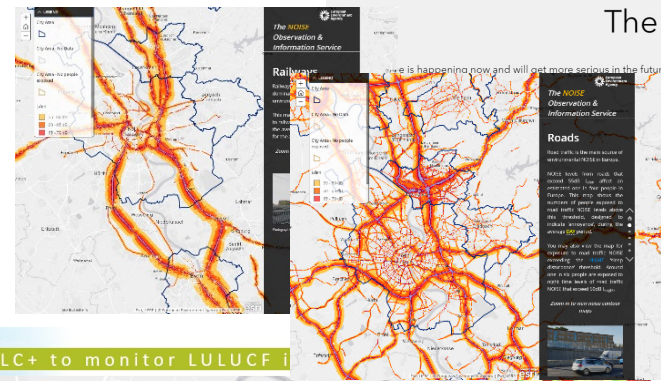


Land Monitoring



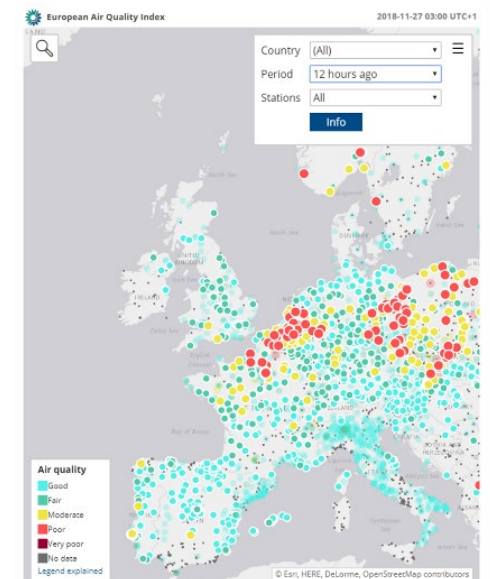
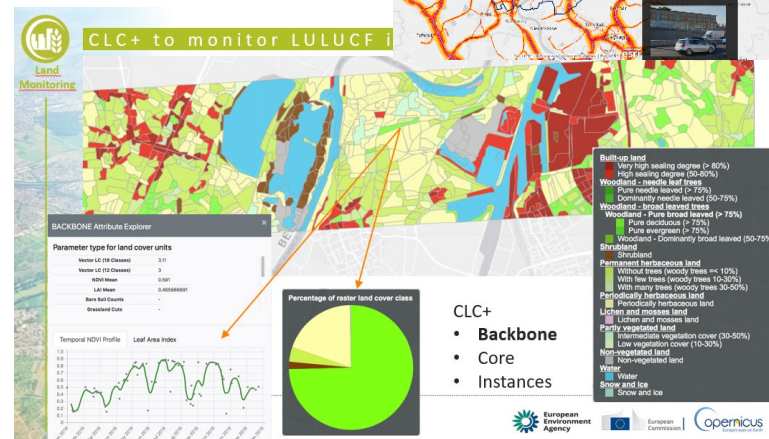
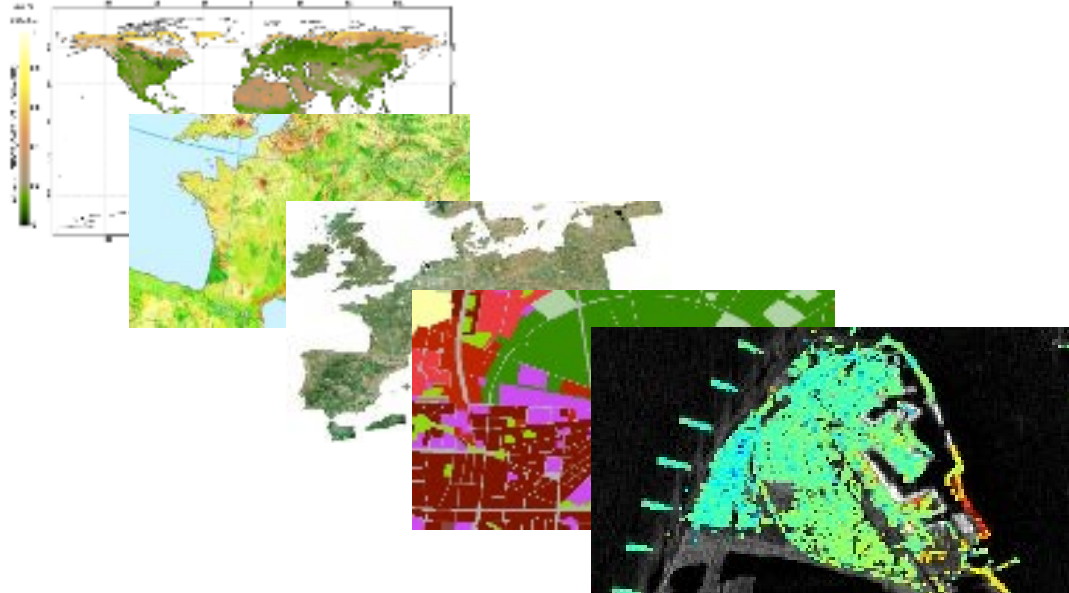
The maps below present a story about how Europe might be affected by key climate hazards such as droughts, floods, forest fires and sea level rise during the 21st century and beyond. These maps are based on different greenhouse gas emissions scenarios and climate models and have been published already in various EEA reports and indicators.

## The European overview



... is happening now and will get more serious in the future, even if global efforts to reduce greenhouse gas emissions prove effective. However, the impacts will be much less severe if global temperature increase is limited to 2°C (as required by the Paris Agreement). Any higher emissions scenario would lead to much more serious impacts.

... and droughts will become more frequent and intense in many regions. This will lead to adverse impacts on agriculture and forests. Minimising the risks from global climate change requires targeted actions to adapt to the impacts of climate change and to be tailored to the specific circumstances in different regions and cities of Europe.



# Rationale

- **Complex and fragmented** (in-situ) data\* landscape
- **Technical and legal challenges** to share/access data
- Need for upscale the implementation of **GEOSS Data Management principles** across data providers in Europe\*\*
- The **visibility of European activities** in GEO could be enhanced (inc. Copernicus)

\* i.e. non-satellite data: ground, sea, airborne measurements, geospatial data, R&I data, Citizen Science

\*\* EU, EFTA, EEA cooperating and neighbourhood countries

# About this activity

- **Service Level Agreement** with EC/DG RTD (H2020 WP 2018-20 (12))
- Duration: 36 months **(2021-2023)**
- Focus on **improving open access to key data for global/EU environmental policies**
- Geographical coverage: **pan-European** datasets
- Budget: **1,5 M €**
- **Horizontal and thematic data activities**

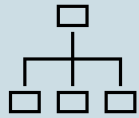


COP21 • CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE



UN World Conference on  
Disaster Risk Reduction  
2015 Sendai Japan

# Work structure



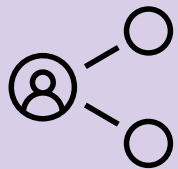
## WP0 Project Management



### WP1

Improving the  
value of sharing  
GEOS data

[GEO Data WG]  
[In Situ data  
providers]



### WP2

Interoperability  
and quality  
requirements

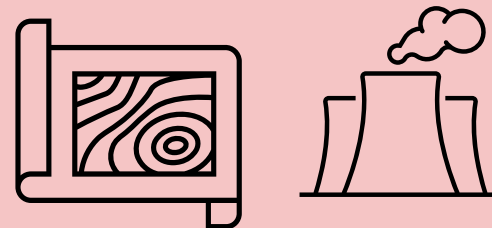
[In Situ data  
requirements]



### WP3

Standard  
processes to  
facilitate re-use of  
data

[Climate Adaptation]  
[GHG monitoring]



### WP4

Representing  
European Caucus

[Programme Board]  
[EuroGEO]





# Expected Impacts

- Strengthened coordination of data management and sharing activities across **GEO, EuroGEO and Copernicus**
- Improved coordination with **key European in-situ data providers**
- Better knowledge of specific **in-situ requirement/gaps** at pan-European level
- Showcase GEO contributions to relevant **EU/global policy use cases**
- Increased impact of **R&I and Citizen Science** activities
- Higher visibility/impact of **European contributions to GEO**





# Many thanks for your attention!

[Jose.Rubio@eea.europa.eu](mailto:Jose.Rubio@eea.europa.eu) (Project Manager)

European Environment Agency