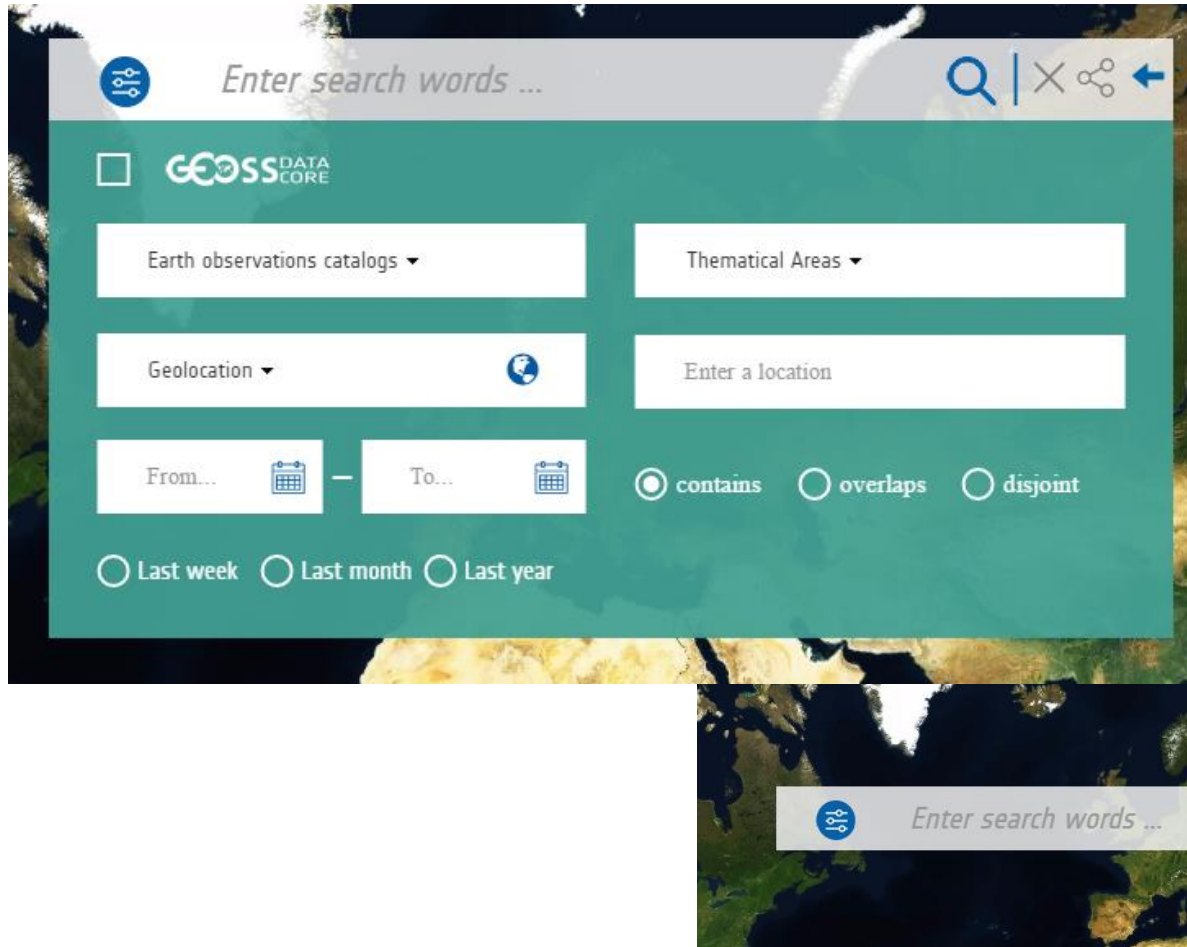


# GEOSS PORTAL

Search functionality variety





Enter search words



FILTERS ▾



### Sentinel 1A

[Organisation: European Commission]

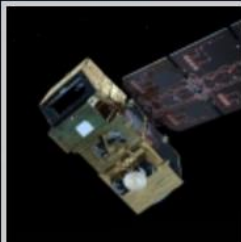
The SENTINEL-1 mission comprises a constellation of two polar-orbiting satellites,



### Sentinel 1B

[Organisation: European Commission]

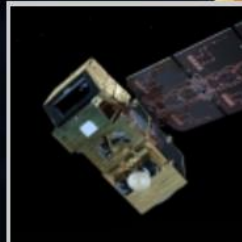
The SENTINEL-1 mission comprises a constellation of two polar-orbiting satellites,



### Sentinel 2A

[Organisation: European Commission]

The full SENTINEL-2 mission comprises twin polar-orbiting satellites in the same orbit,



### Sentinel 2B

[Organisation: European Commission]

The full SENTINEL-2 mission comprises twin polar-orbiting satellites in the same orbit,

### Sentinel 3A

### USGS Landsat 8 OLI/TIRS

Sources:

GOSS (475k) ▴



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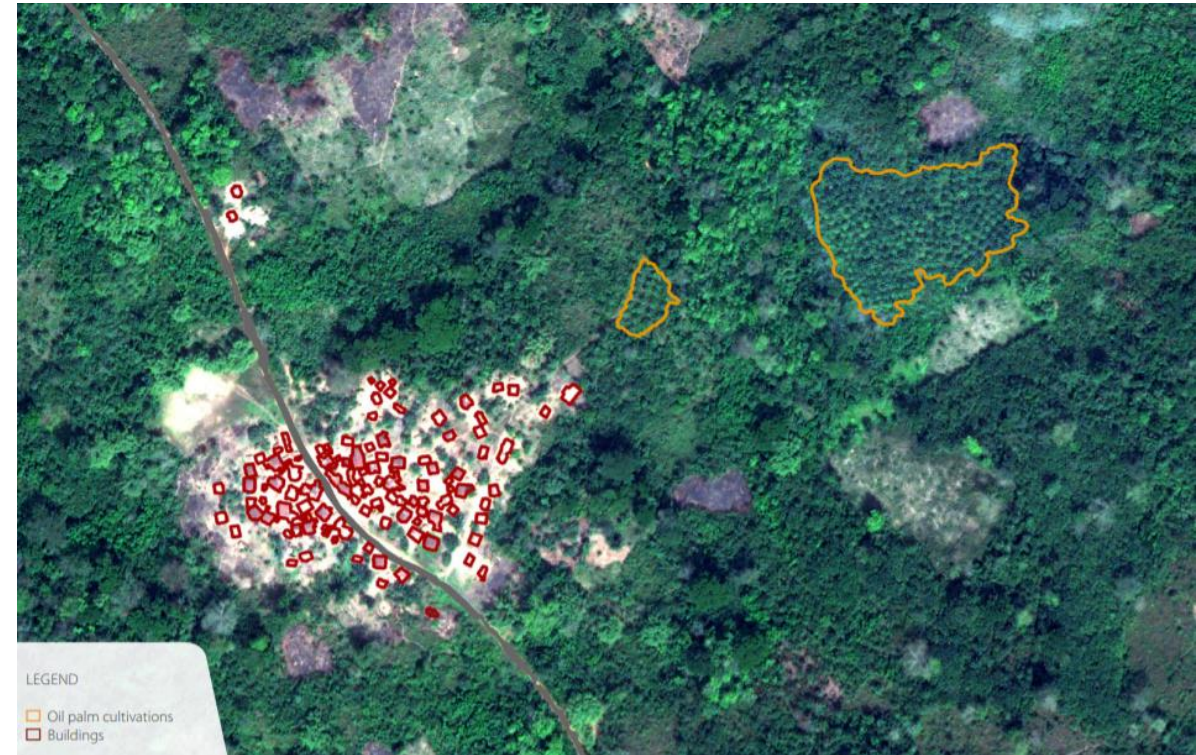




# Example:

## Humanitarian aid & aid for development

- Satellite data to identify risk areas
- Mapping of (potential) habitats
- Isolated settlements surrounded by tropical forests and palm oil plantations
- Combined with census data and other sources



(source: copernicus factsheet)

# Example of African Geoportals



- ▶ About this DVD-ROM
- ▶ Introduction to Africa Map Archive
- ▶ Soil maps of Africa - Metadata

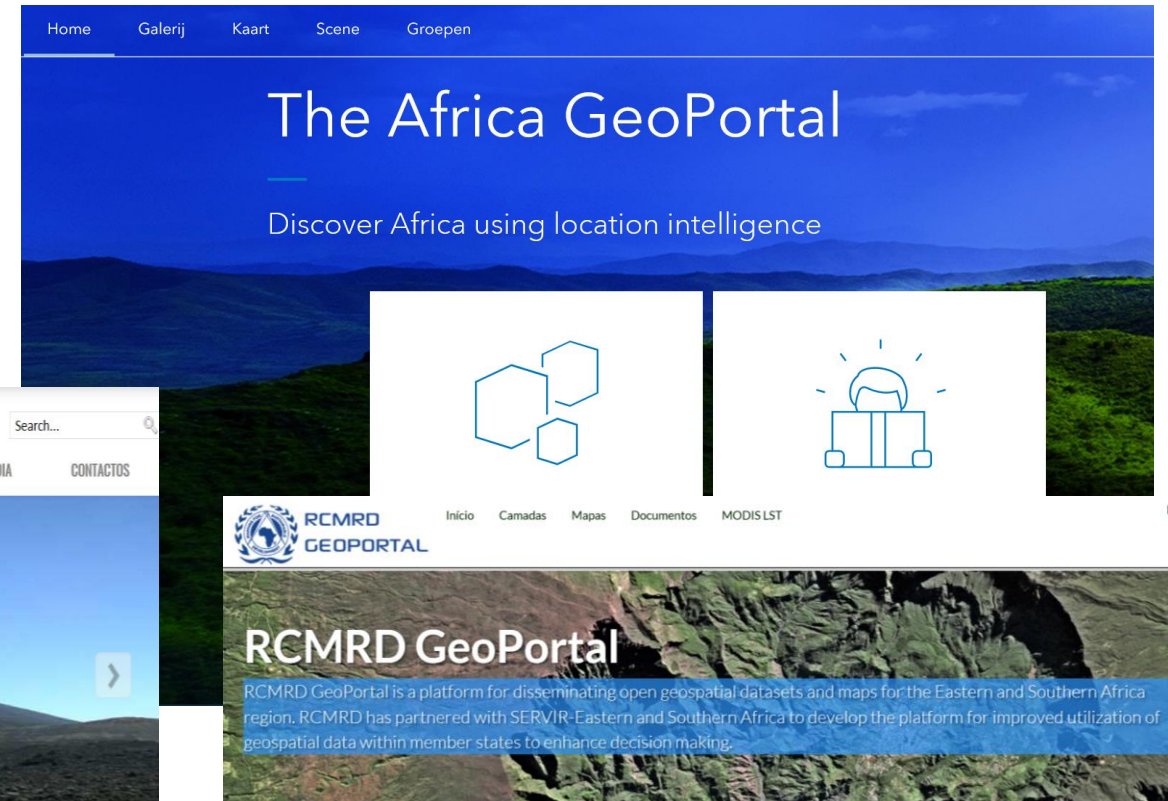
## ▶ Display Maps

The designations employed and the presentation of product do not imply the expression of any opinion European Commission/Joint Research Centre, the Sustainability or ISRIC - World Soil Information country, territory, city or area, or concerning the boundaries.



I Kumar P.S. European digital archive on soil maps (EuDASM). 443, DOI [10.1080/17538947.2011.596580](https://doi.org/10.1080/17538947.2011.596580)

an and D. Dent, (2005). European Digital Archive of Soil Maps (



## Datasets

Clique para procurar dados geoespaciais publicadas por outros usuários, organizações e fontes públicas. Download de dados em formatos padrão.

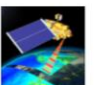
[Explore data »](#)



## Maps

Os dados estão disponíveis para navegação, agregando e styling para gerar mapas que podem ser compartilhadas publicamente ou restrito apenas a usuários específicos.

[Explore maps »](#)



## MODIS Data

Discover daily MODIS Terra, Aqua and VIIRS data products.

[Explore data »](#)



# Example of a worldwide geoportal

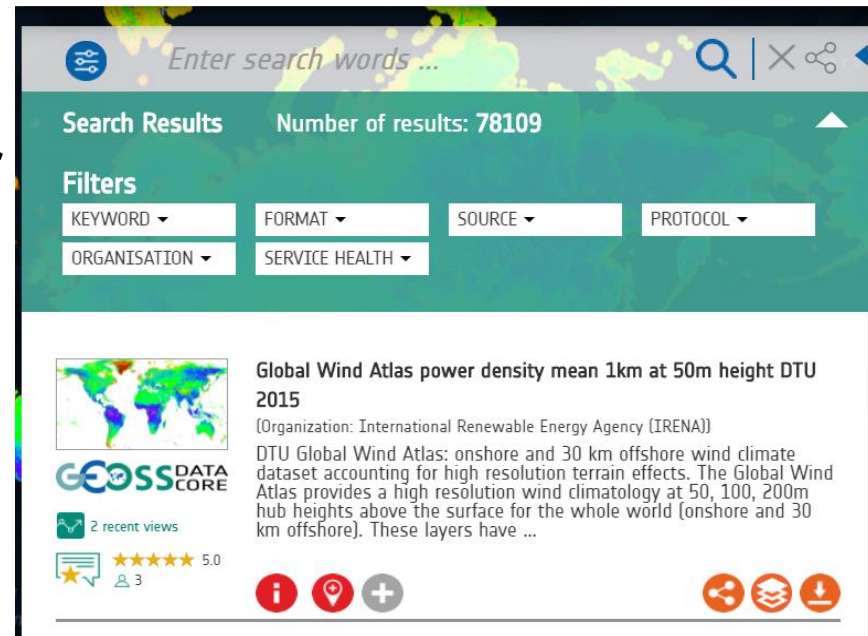
E.g. Global Wind Atlas (<https://globalwindatlas.info/>)

Actual display for some data

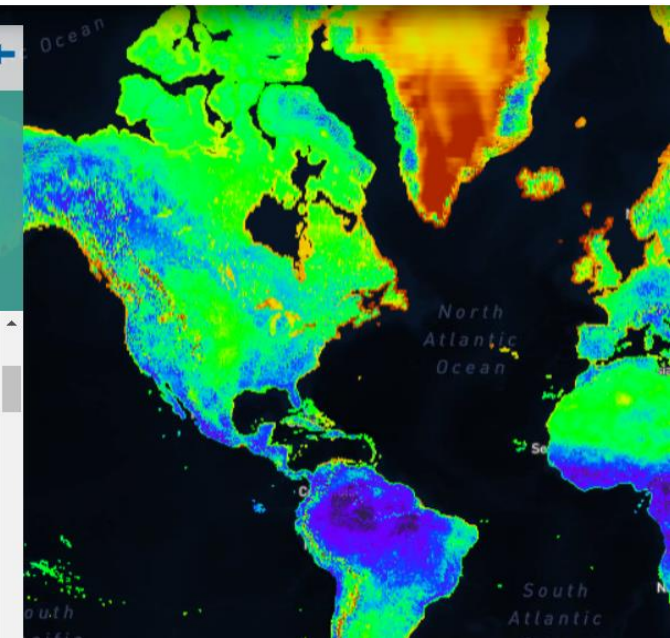
Download service (picture)

Link to original data provider

Link to metadata



The screenshot shows the search results interface of the Global Wind Atlas. At the top, there is a search bar with the text "Enter search words ...". Below the search bar, the "Search Results" section displays "Number of results: 78109". A "Filters" section contains several dropdown menus: KEYWORD, FORMAT, SOURCE, PROTOCOL, ORGANISATION, and SERVICE HEALTH. Below the filters, a small world map icon is shown next to the title "Global Wind Atlas power density mean 1km at 50m height DTU 2015". The description below the title states: "(Organization: International Renewable Energy Agency (IRENA)) DTU Global Wind Atlas: onshore and 30 km offshore wind climate dataset accounting for high resolution terrain effects. The Global Wind Atlas provides a high resolution wind climatology at 50, 100, 200m hub heights above the surface for the whole world (onshore and 30 km offshore). These layers have ...". At the bottom of the search results, there are icons for information, location, and a plus sign, along with a download icon.



# National geoportals

Galeria Mapa Cena 3D Grupos

Iniciar sessão



## HOMEPAGE



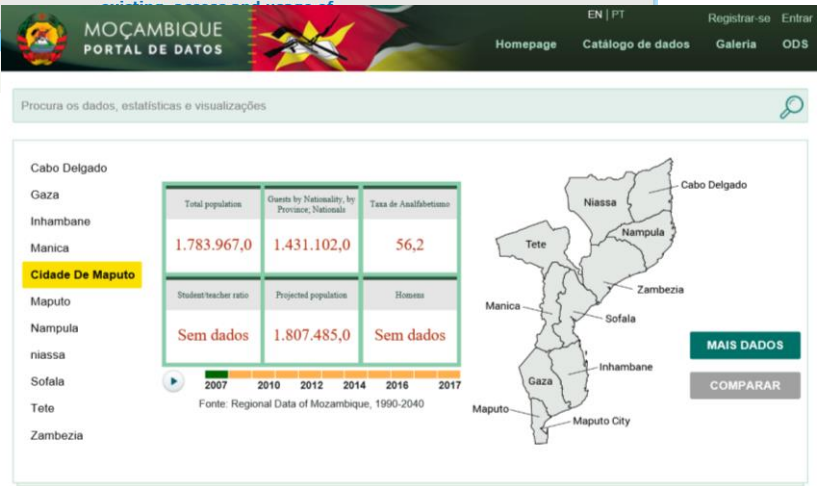
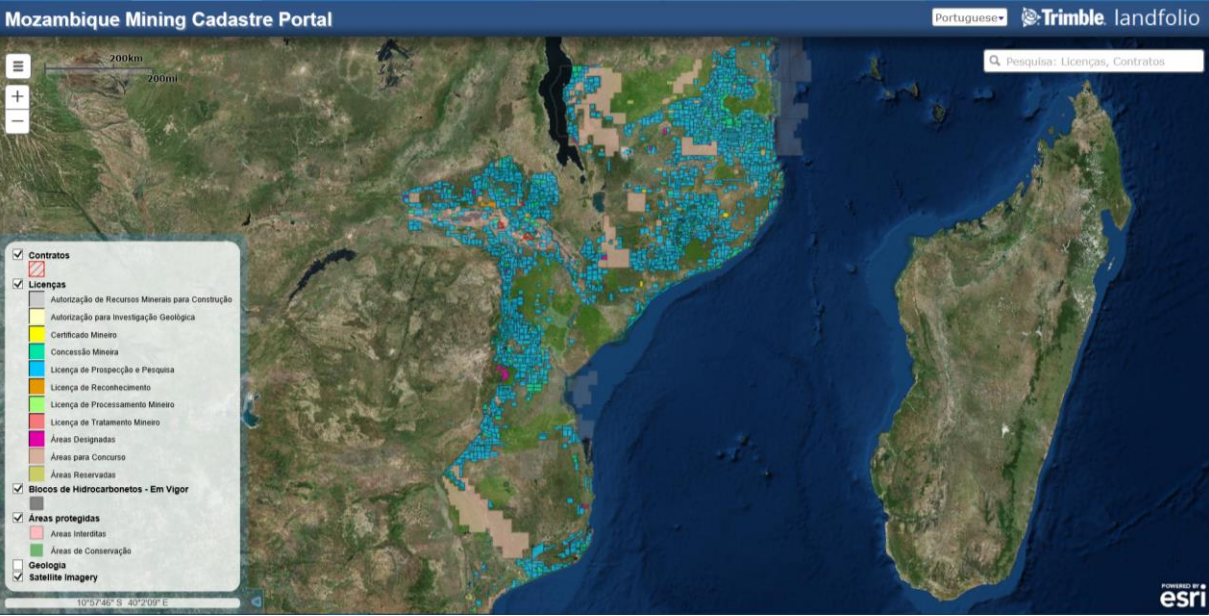
Public Viewer



PublicWebMap



The missing link between



Um olhar sobre Moçambique

GDP (Current Prices in Mln MT)

GDP Per Capita (Current prices in MT)

GDP Growth (%)

## *Practical exercise 2*

<https://www.idee.es/>

### **Read the metadata on a regional portal (Galicia):**

Who is the data submitter?

Who can I contact for questions about metadata?

What can I find on the map?

Can I consult the WMS of ArcGIS/Qgis?

What format(s) are the data distributed?

Where data submitted are based?

How often is the data updated? Are data recent?

- Step by step
  - Open viewer
  - Choose the thematic maps (themes)
  - Select a map
  - Read information
  - See if metadata is available?
  - When was the last time the data was updated?
  - Is there an accessible WMS?



## Practical exercise 3

# Search for data using a global geoportal

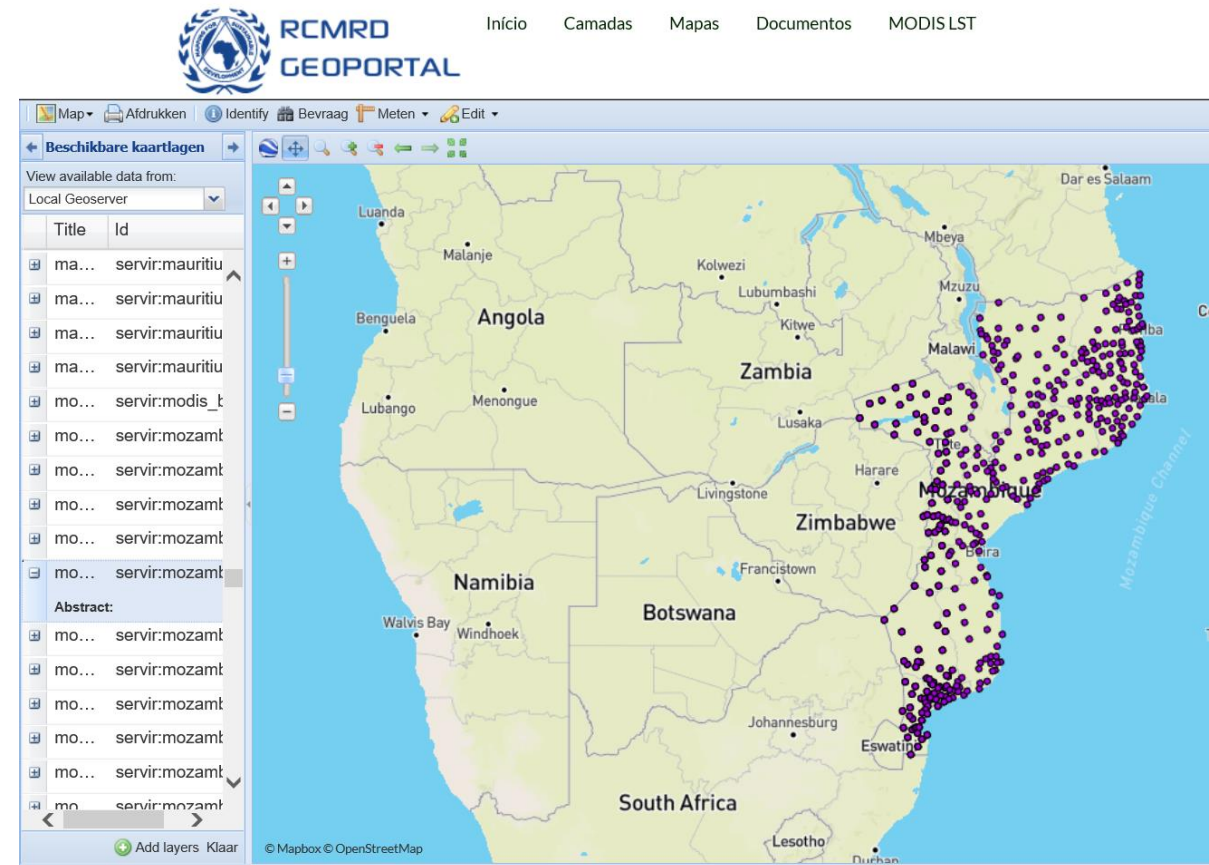
<http://geoportal.rcmrd.org/>

It shall have the possibility to:

Finding WMS, WFS

Display information in viewer

Display metadata



Test

Thank you for your attention!

Contacts:

[saudade.pontes@kuleuven.be](mailto:saudade.pontes@kuleuven.be)

[marc.olijslagers@kuleuven.be](mailto:marc.olijslagers@kuleuven.be)