

Making Environmental Data Accessible and Understandable for Everyone

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of cropland. In total, 92% is classified as cropland with the remaining 8% classified as non-cropland. The

There are no global datasets to identify exactly which crops are grown where, especially at the same level of detail as the cropland map above. However, a global dataset by Monfreda et al. [11] contains harvested area

(approximate) area harvested are olives and wheat. Other crops like fornes, mixed grass, sunflower seed, grapes, maize, almonds, barley, maize (forage), and oats may also be cultivated in and around this area

Crop calendars give an indication of the growing season of various crops in and around the study area, and

specify approximate periods during the year for sowing and harvesting of crops. The crop calendars for this

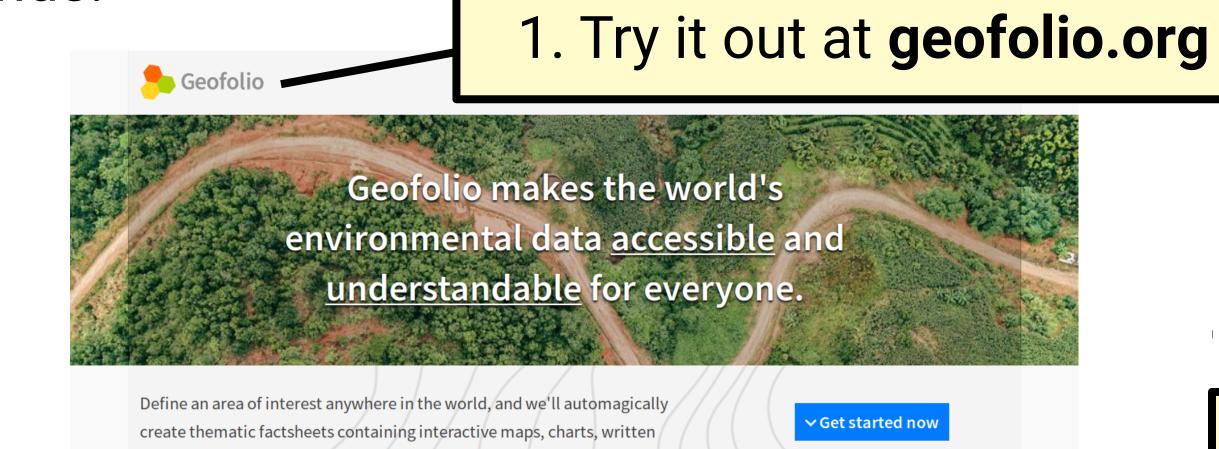
Environmental data should be more accessible and easier to understand, especially for professionals with domain expertise but without GIS and programming skills. Let's dissolve barriers to adoption (discovery, user experience, accessibility) and empower thousands of potential users with valuable information about the state of our planet.

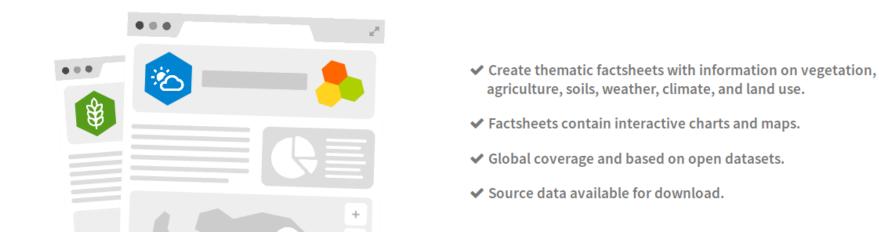
Well-designed thematic factsheets are the way forward!

Automagically generated thematic factsheets with information on land cover, topography, climate, soils, hydrology, and agriculture. All based on open data.

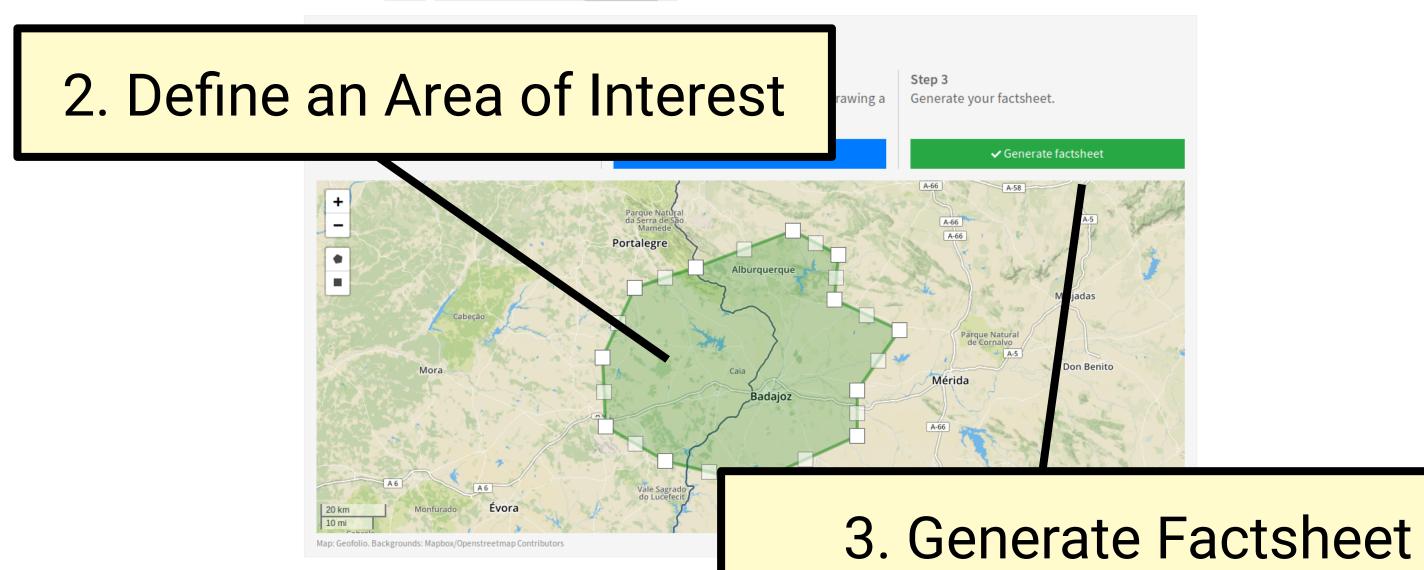
What is Geofolio?

 Accessible from the browser, with written summaries, charts, references, and interactive maps with actual legends.





overviews, and statistical summaries - all based on open geodata.



Future plans:

 Download all factsheet source data as a ready-made QGIS project?

gridded set of global climate data with a spatial resolution of 1 sq. km.

the wettest month receiving an average of 84mm, and the driest month receiving 5mm.

The average precipitation in the area is <mark>571mm</mark> per year, and there is a high variation throughout the year, with

The climate change section of this factsheet is under development. It will contain a short explanation of climate

service [5]. This dataset contains spatial predictions for a wide range of soil parameters at a global scale. By

Texture is an imporant soil parameter and refers to the proportion of sand, silt, and clay sized particles in the soil, Sand particles are the largest (above 0.05mm), then silt (from 0.05 to 0.002mm), and clay particles are the

The way in which these three proportions are combined defines the texture of the soil. Soil texture can be

change scenarios, as well as an overview of the most important effects on this area of interest.

- More detailed factsheets on other themes? Climate change, agriculture, or water resources?
- Custom factsheets for your organization?
- •What information would you like to see at the click of

Topography describes the shape and features of land surfaces. The topography of an area usually also affects

such as slope (steepness) and aspect (direction) of a surface, or to estimate which direction water will flow and

There are several global elevation datasets available at a range of different resolutions. Most commonly used

Elevation data for this area of interest is collected from the SRTM GL1 v3 elevation dataset at 30m spatial resolution [3], which is shown in the map below. The elevation in the area ranges from a minimum of 142m to a

how much terrain lies upstream or downstream from a particular point

he area of interest is located on the border of Spain and Portugal, with 55% of it in Spain, and 45% in Portugal

The area in Spain overlaps the Level 1 administrative divisions of Extremadura (55%). The area in Portugal

Land cover data is collected from the ESA Climate Change Initiative (CCI) Land Cover dataset [2]. The ESA-CCI dataset contains annual land cover maps at 300m resolution from 1992 to 2015. The distribution of land cover classes in the study area in 2015 are shown below, as well as the percentage difference compared to 1995. This

may give an indication of trends in land cover changes in the are





Technology stack: a button? Let's talk! serverless python