

living planet symposium

BONN
23–27 May
2022

TAKING THE PULSE
OF OUR PLANET FROM SPACE

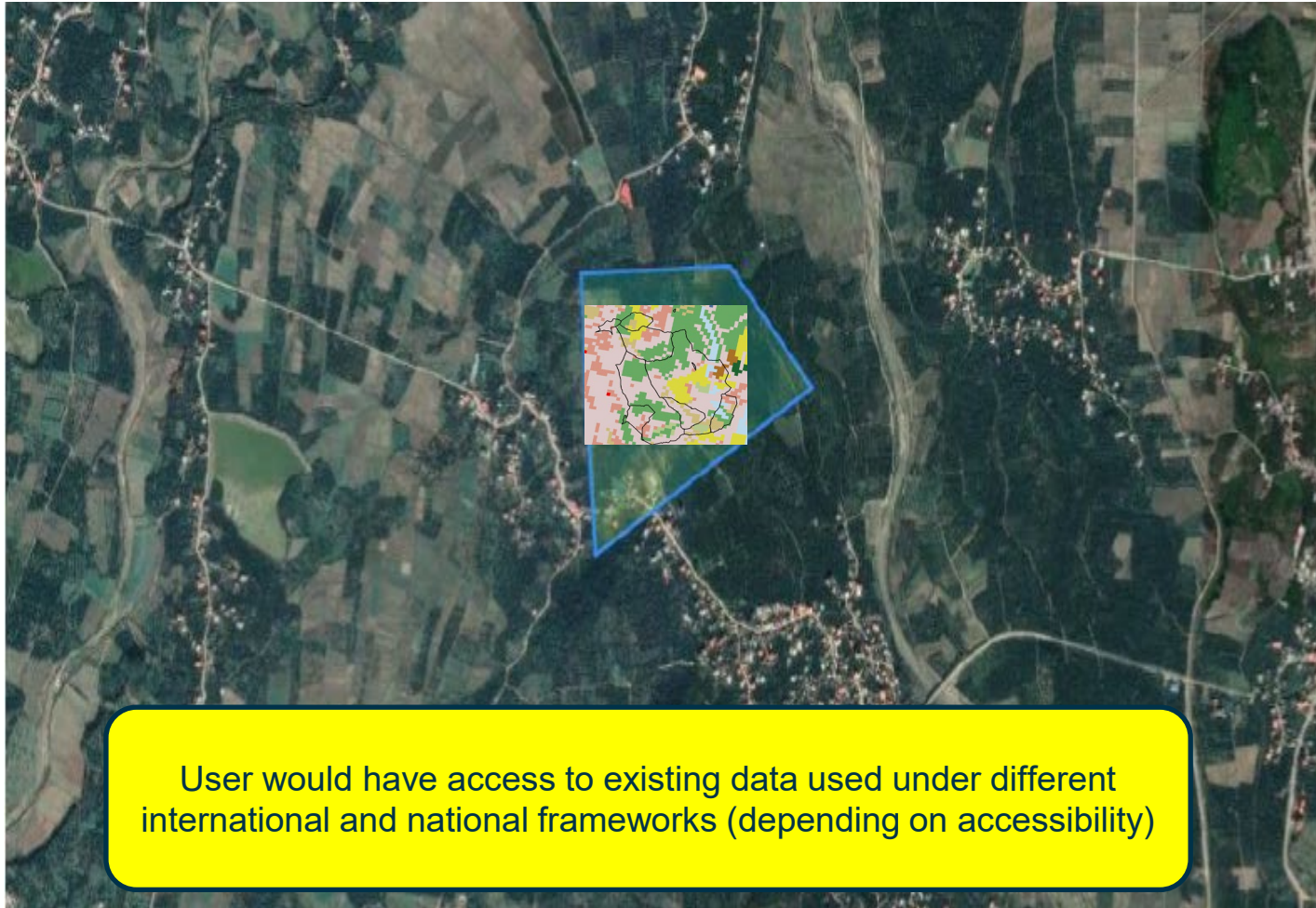


*Emerging tools for climate-smart decision making:
FAO in EO informed assessment of crop condition*

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26/05/2022

ECOCROP: Database of Crop Constraints and Characteristics integrated in the Global Agricultural Ecological zoning (GAEZ) platform



User would have access to existing data used under different international and national frameworks (depending on accessibility)

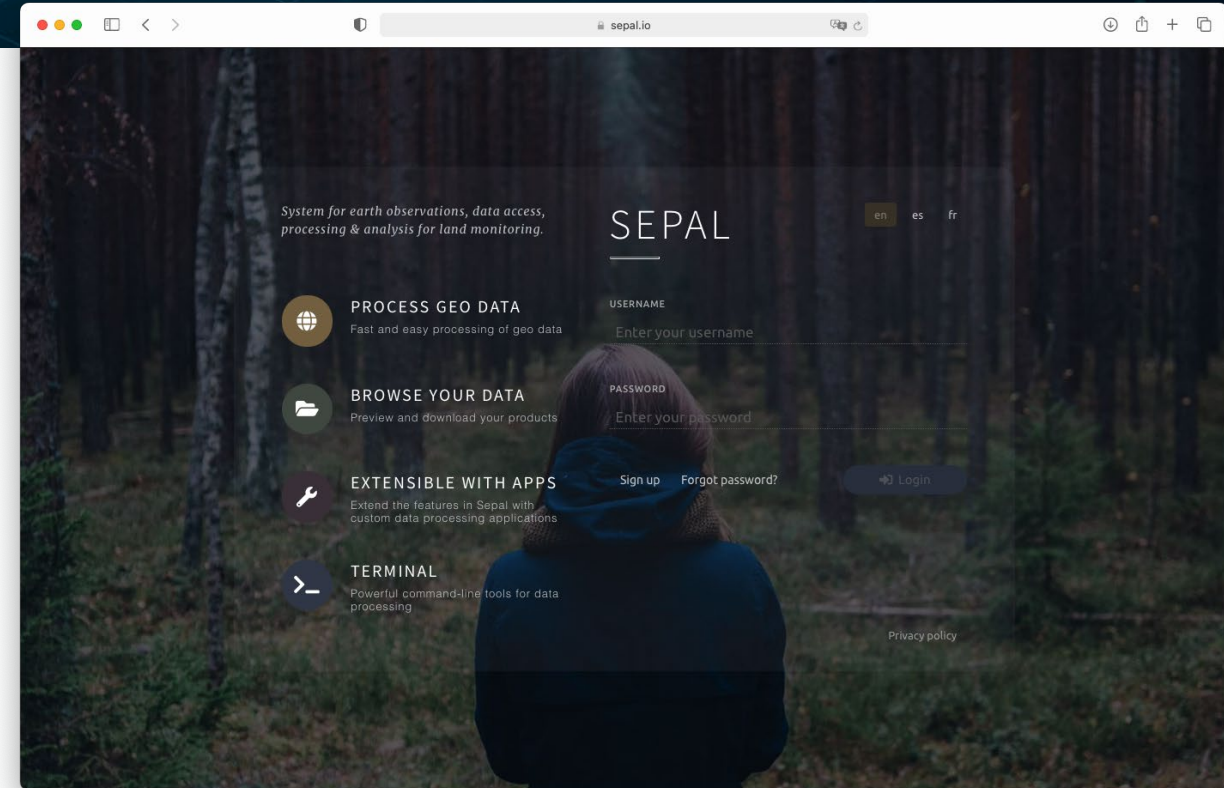
<p>Area of Interest</p> <ul style="list-style-type: none"> ▪ GADM/GAUL ▪ Upload your AOI ▪ Design your AOI
<p>Layers by ecosystem components</p> <ul style="list-style-type: none"> ▪ Soil ▪ Water ▪ Vegetation
<p>Layers by climatic zone</p> <ul style="list-style-type: none"> ▪ Subtropical ▪ Temperate ▪ Dry ▪ Tropical
<p>Prepare your indices</p> <ul style="list-style-type: none"> ▪ Link to modules in SEPAL
<ul style="list-style-type: none"> • Download (.shp, .tif, .kml, .xls, etc.)



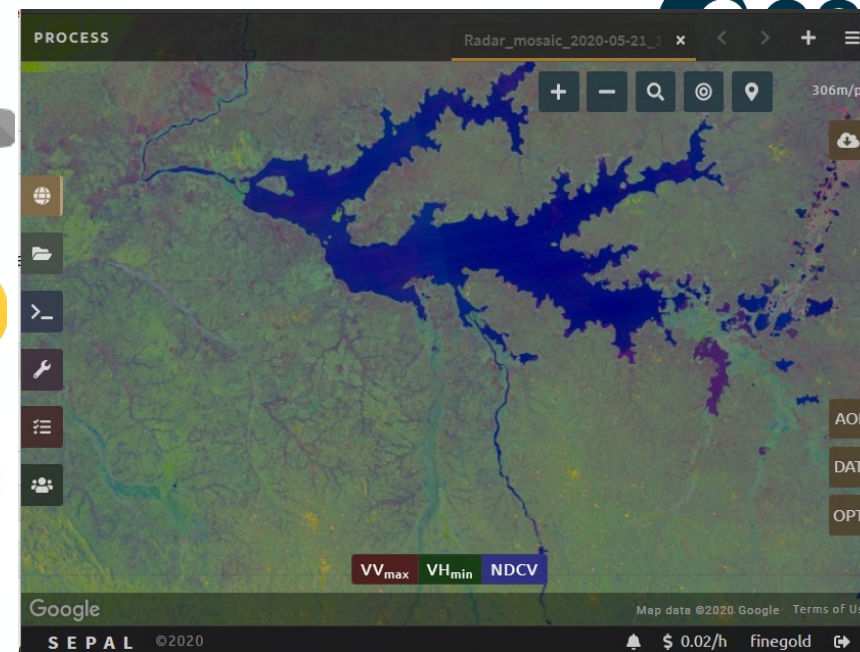
Earth Observation and Cloud Computing - SEPAL



- SEPAL is a cloud based platform for accessing, processing and analysing geospatial data for land monitoring
- SEPAL is free and open: anyone can register for access to its features: <https://sepal.io>
- All you need is an Internet connection to access the SEPAL website



SEPAL



Layers by ecosystem/crop components

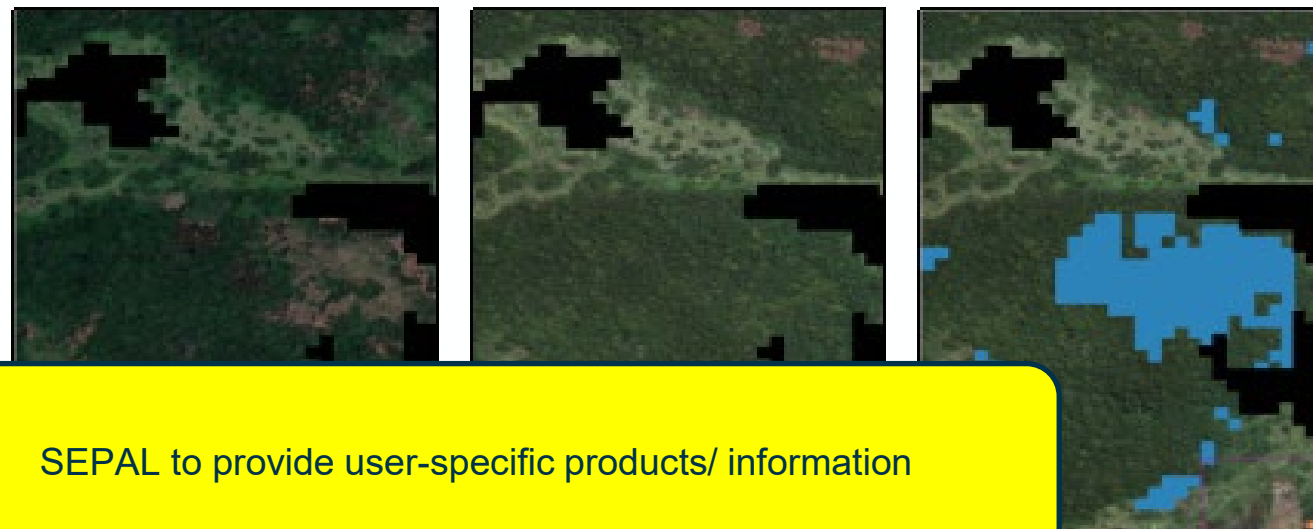
- Soil
- Water
- Vegetation

Layers by climatic zone

- Subtropical
- Temperate
- Dry
- Tropical

Prepare your indices

- Link to modules in Sepal



SEPAL to provide user-specific products/ information



Food and Agriculture
Organization of the
United Nations

Integrating different platforms, data and tools



Layers by ecosystem components

- Soil
- Water
- Vegetation

Layers by climatic zone

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Preparation of indices

- Link to modules in SEPAL



Frameworks

Indicators

Platforms

Data

Data are mapped considering the different indicators, criteria and frameworks

One dataset e.g. Land Cover can be used for various frameworks

WOCAT



& many others



Afforestation/Reforestation inside the refugee camps (Bangladesh)



GLOBAL SOIL PARTNERSHIP

SEPAL

SYSTEM FOR EARTH OBSERVATION DATA ACCESS, PROCESSING & ANALYSIS FOR LAND MONITORING



Hand in Hand Geospatial Platform

Thanks for your attention!

More info on www.fao.org

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