



Food and Agriculture Organization  
of the United Nations

# SEPAL

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System for Earth Observation  
Data Access, Processing and  
Analysis for Land Monitoring

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# FAO Open Foris Initiative

## Free and open software for environmental monitoring

<http://openforis.org/>

**openforis**  
Free open-source solutions for environmental monitoring

What is openforis?

- Collect**  
Easy and flexible survey design and data management
- Collect Mobile**  
Intuitive data collection and validation in the field
- Calc**  
Efficient and collaborative data analysis and results dissemination
- Collect Earth**  
Innovative land assessment through freely available satellite imagery
- Collect Earth Online**  
Online Land Monitoring tool for crowd-sourcing of augmented visually interpreted data
- SEPAL**  
System for earth observation, data access, processing, analysis for land monitoring
- Earth Map**  
The power of Google Earth Engine without coding. A user friendly tool for complex land monitoring

<p><b>COLLECT</b> Easy survey design and data management</p>	
<p><b>COLLECT MOBILE</b> Data collection and validation in the field</p>	
<p><b>CALC</b> Data processing and reporting</p>	
<p><b>ARENA = COLLECT + CALC ONLINE</b> To be launched in <b>May 2021</b></p> <p style="text-align: right; background-color: #4a69bd; color: white; padding: 10px; font-weight: bold; font-size: 1.2em;">COMING SOON</p>	
<p><b>COLLECT EARTH</b> Visual interpretation for land monitoring</p>	
<p><b>COLLECT EARTH ONLINE</b> Web based visual interpretation tool</p>	
<p><b>SEPAL</b> Access and process satellite data using cloud computing</p>	





# SEPAL objectives

Improve data access, processing, and delivery of satellite data and information products to enable autonomous land monitoring capacity.



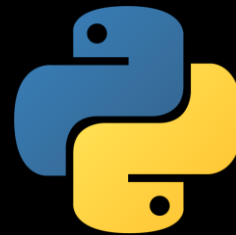
# Breaking barriers

# Bridging science and practice



Deforestation and forest degradation in Uganda & Mapping deforestation due to oil palm plantations in Indonesia

Powered by:



...and many more

# SEPAL demo

<https://sepal.io>

1. Forest change monitoring and reporting at the project scale
2. Data for land monitoring and mapping at the national scale

# SEPAL

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*System for earth observations, data access, processing & analysis for land monitoring.*

Signup

Launch



# SEPAL demo

<https://sepal.io>

1. Forest change monitoring and reporting at the project scale

**2. Data for land monitoring and mapping at the national scale**



### CREATE RECIPE

- OPTICAL MOSAIC**  
Create a mosaic using Landsat or Sentinel 2. i
- RADAR MOSAIC**  
Create a mosaic using Sentinel 1. i
- CLASSIFICATION**  
Classify imagery from SEPAL or Google Earth Engine. Include imagery from multiple points in time to do change detection. i
- TIME SERIES**  
Download Landsat time series to SEPAL. i
- CCDC BETA**  
Create a CCDC asset from a time-series. i
- CCDC SLICE BETA**  
Create a slice of a CCDC asset, for a specific date. i

No saved recipes



# SEPAL Users Worldwide

