



openforis
www.openforis.org

Free open-source solutions for environmental monitoring

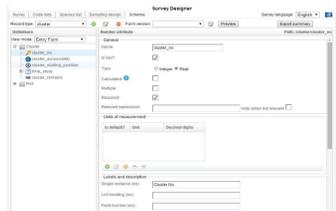
Open Foris is a set of free and open-source software tools that facilitates flexible and efficient data collection, analysis and reporting.



COLLECT

Easy and flexible survey design and data management

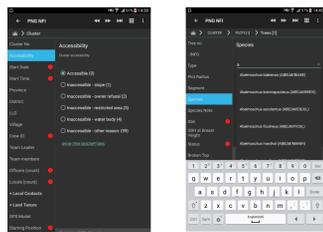
- Easy-to-use interface for complex surveys
- Server / desktop
- Survey designer
 - From scratch/using template
 - Validation rules
 - Multiple layouts
- Data entry interface generated automatically
- Workflow: entry, cleansing, analysis



COLLECT MOBILE

Intuitive data collection and validation in the field

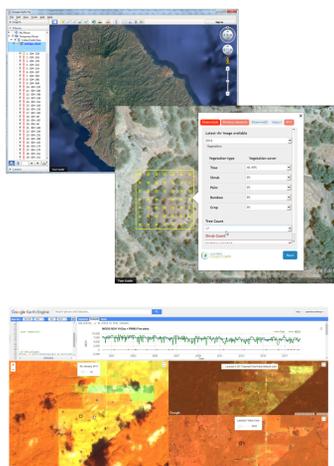
- A fast, intuitive and flexible data collection tool for field-based surveys.
- This Android app allows the completion of complex data structures, such as biophysical, socio-economic or biodiversity surveys. Its many features include:
 - On-the-fly validation to improve data quality
 - Handling of large lists of species or other attributes
 - Geo-location through embedded GPS
 - Integration with Collect for data management, analysis and export to commonly used formats
 - Processes inputs and calculates attributes for quality control in the field



COLLECT EARTH

Innovative land assessment through freely available satellite imagery

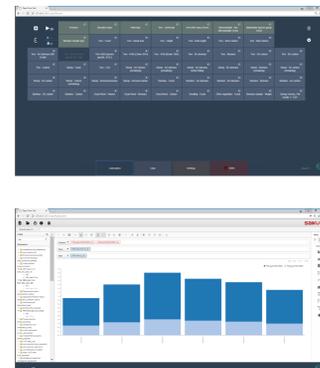
- Access to free, very high resolution imagery in Google Earth, Google Earth Engine, and Bing maps.
- User-friendly data collection tool, with customizable data entry form.
- Individual or team based data collection.
- Limited remote sensing and GIS skills necessary.
- Integration with Saiku for mining data and visualizing results.



CALC

Efficient and collaborative data analysis and results dissemination

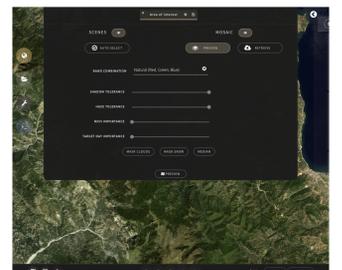
- Easy Import
A fully customizable tool for facilitated data analysis. You can import data directly from Collect, import external lookup tables and equations, and build complex processing chains.
- For experts and end-users
Designed for both experts and end-users. Whereas the experts can build the processing chains, end users can just hit play and repeat the calculation processes.
- Reporting
Results can be presented using Saiku Analytics. This allows easy reporting and presenting the results in both tabular and graphical form.



SEPAL

System for earth observation, data access, processing, analysis for land monitoring

- SEPAL allows users to query and process satellite data quickly and efficiently, tailor their products for local needs, and produce sophisticated and relevant geospatial analyses quickly.
- Harnessing cloud-based supercomputers and modern geospatial data infrastructures (e.g. Google Earth Engine), SEPAL enables access and processing of historical satellite data as well as newer data from Landsat and higher-resolution data from Europe's Copernicus programme.



Government, research institutions and NGOs use these tools for a wide range of monitoring purposes such as



Forest Inventories



Climate Change reporting



Socio-economic surveys



Biodiversity assessment



Land Use, Land Use Change and Forestry measurement



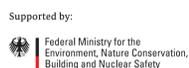
Deforestation monitoring with remote sensing



Detecting desertification and trees outside of forest



Ministry for Foreign Affairs of Finland



based on a decision of the German Bundestag



Norway's International Climate and Forest Initiative (NICFI)