



Food and Agriculture
Organization of the
United Nations



FAO elearning
ACADEMY



24 MARCH 2023 – 7 MAY 2023

ONLINE FACILITATED COURSE

FOREST AND LAND MONITORING FOR CLIMATE ACTION – SEPAL

Interested in digital platforms and tools for more effective forest and land monitoring?

Learn how to use the System for Earth Observation Data Access, Processing and Analysis for Land Monitoring (SEPAL) through the free online facilitated course offered by the Food and Agriculture Organization of the United Nations (FAO).

SEPAL is a free, open-source, online platform that enables autonomous processing of geospatial data for customized forest and land monitoring by anyone, anywhere. Part of the **Open Foris** suite of tools, the platform empowers users to process satellite data, create maps, and detect land cover and land-use change. SEPAL also provides many other functions critical to effective land management without the need of coding skills.

The Course

Hosted by the **FAO eLearning Academy**, the course will guide you through select functionalities and applications of the SEPAL platform, and frameworks, systems and processes for forest and land monitoring for climate action.

The course is offered for free and is open to all interested in digital platforms and tools for forest and land monitoring, and is entirely based on an interactive, learning-by-doing approach, offering a wide range of case studies, hands-on activities and online facilitated sessions.



open to all

Course description



Dates:

24 March 2023–7 May 2023



Duration:

Two to six weeks, depending on the learning path you choose based on your interests and learning needs.



Modules:

1. Institutionalization of forest data
2. Introducing SEPAL for forest and land monitoring
3. High-integrity measurement, reporting and verification
4. Monitoring of forest and ecosystem restoration
5. Peatland mapping and monitoring



Languages:

English, French, Spanish



Certification:

Based on your learning path and performance assessment you can either obtain a certificate of completion or a digital badge, that certifies the competencies acquired.

GOAL

To support the development of knowledge and skills to operationally apply high-resolution satellite imagery to forest and land monitoring in tropical forest countries. More specifically, the course focuses on how the SEPAL platform can support land and forest monitoring.

TARGET AUDIENCES

Individuals who will especially benefit from taking this course include:

- staff in governmental and implementing agencies;
- professionals interested in remote sensing data analysis, interpretation and use; and
- remote sensing experts in academia, civil society and the private sector who can contribute to further development and transparency of the monitoring of national forests and other ecosystems.

STRUCTURE AND WORKLOAD

This course is structured around three flexible paths, each with an expected daily minimum workload of one hour, depending on previous knowledge of the topics:

- **Learning path 1:** Complete Module 1 and Module 2.
- **Learning path 2:** Complete Module 1, Module 2, and one additional module of your choice – Module 3, Module 4 or Module 5.
- **Learning path 3:** Complete all 5 modules.

METHODOLOGY

The course promotes an interactive approach through self-paced lessons, case studies, videos, multimedia presentations, discussion fora, and online live-facilitated sessions.

Content and activities are practice-oriented and complemented by self-assessment quizzes to enhance knowledge retention and skills development and acquisition of competencies, while stimulating critical thinking.

CERTIFICATION

- **Certificate of completion:** For **Learning path 1** and **Learning path 2**, a certificate of completion is issued upon finishing course-related assignments and assessments.
- **Digital badge certification:** For **Learning path 3**, an [FAO digital badge certification](#) is granted upon completion of the course-related assignments and assessments. The digital badge offers a visible, verifiable and sharable recognition of the acquisition of specific skills and competencies.

MORE INFORMATION

LEARN MORE ABOUT THE COURSE

WWW.FAO.ORG/IN-ACTION/SEPAL/ACTIVITIES/ELEARNING

LEARN MORE ABOUT SEPAL

WWW.FAO.ORG/IN-ACTION/SEPAL

CONTACT THE SEPAL TEAM:

SEPAL@FAO.ORG

FOLLOW THE DISCUSSION:

#SEPAL #LEARNINGSEPAL @OPENFORIS



NICFI

Norway's International Climate and Forest Initiative



UK Government



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