

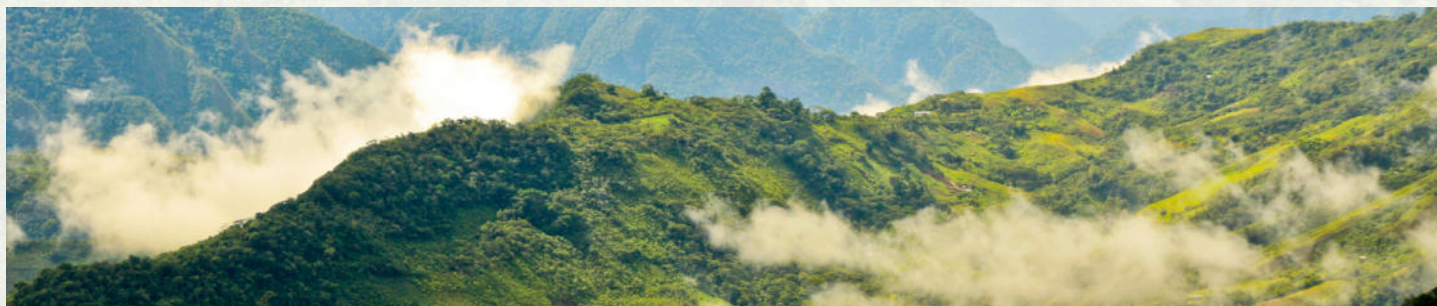
Capacity for Copernicus REDD+ and  
Forest Monitoring Services



## About the REDDCopernicus Project

The “Capacity for Copernicus REDD+ and Forest Monitoring Services – REDDCopernicus” Project was launched in early 2019 under the **EU Horizon 2020 (H2020)** work program for ‘Research and Innovation (Topic: ‘Copernicus evolution – Mission exploitation concepts’ LC-SPACE-02-EO-2018). It aims to **implement a coordination** and consolidation of the existing European Capacity for Earth Observation (EO) based Forest Monitoring (FM) for REDD+ and Sustainable Forest Management with relevant **Stakeholders, International Agencies, Research Community** and **Private Sector**.

The Project has a duration of **three years** and is implemented by a Consortium of **five European Partners**. REDDCopernicus focusses on the **REDD+ policy process** and designs the foundations for an operational Copernicus REDD+ and Forest Monitoring Service Component. This future Service Component will provide relevant **Core Services** and **Products** meeting REDD+ and Sustainable Forest Management requirements which can be adopted by Users and adjusted to meet National requirements.



## Consortium Members

REDDCopernicus is implemented by a Consortium of five European Partners

- GAF AG (Germany) as Project Coordinator
- EC-JRC (Italy)
- SIRS (France)
- VTT (Finland)
- Wageningen University (Netherlands)



## Background

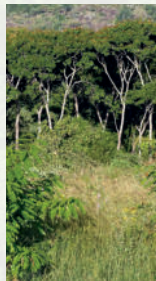
Efforts to monitor and map changes of forests using **Earth Observation (EO)** technologies to support decision making in reversing deforestation and forest degradation have been increasing in the past decade.

The Sentinel satellites of the European Union's Copernicus Programme with their **high spatial resolution** and **revisit time** provide unprecedented volumes of quality data for **improved forest monitoring**, globally and free of charge. Along with the satellites, the Copernicus Data and Information Access Services (C-DIASS) also enhance data and value-added product access.

With these instruments and infrastructure, the European EO science and industry communities can provide the Users **powerful** and **state-of-the-art Forest Monitoring Services** to tackle their day-to-day challenges on forest and GHG monitoring, verification and reporting, REDD+ and Sustainable Forest Management

## Project Structure

REDDCopernicus is organized into specific **Project Tasks** which comprise of:



### Assessment of Requirements and Capacities

- Stakeholder Requirements and Policy Review
- Consultation and Review of Existing Capacities in Forest Monitoring
- Initial Design of Copernicus REDD+ and Forest Monitoring Service Component



### User Engagement and Awareness Raising

- Learning Exercises and Studies with Users
- Coordination and Knowledge Exchange with International Initiatives
- Communication, Dissemination and Exploitation



### Consolidation of Copernicus REDD+ and Forest Monitoring Services

- Organizational Specifications
- Technological Specifications
- Framework for Implementation



### Research and Infrastructure Gaps

- Research Priorities for Copernicus REDD+ Operationality (Dry and Humid Tropics)
- Research Priorities for European Sustainable Forest Management
- Infrastructure Developments for the Space and Ground Component



## User Engagement

The Project engages **Country Users** and **Global Stakeholder groups** active in REDD+ and Forest Management from the start in a close interaction to gather their requirements for EO Forest Monitoring. Together with the Users the foundations of the future Copernicus Forest Monitoring REDD+ Service Component is designed, based on the state-of-the-art capacities available in Europe.

Existing initiatives such as the Global Forest Observation Initiative (GFOI) of the Group on Earth Observations (GEO) provide **important contributions** through permanent interaction, and the awareness of International Initiatives of the United Nations (UN) are being raised through consultative workshops.



## Contact Information

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