REDDCopernicus

Capacity for Copernicus REDD+ and Forest Monitoring Services

REDDCopernicus Online Workshop

Learning Exercises & Demonstration Cases

06 - 08 October 2020, Southern Africa Region

In the framework of the REDDCopernicus project, a **series of Online Workshops/Webinars** and interactive **hands-on sessions** will be organised with REDD+ Users to present, discuss and validate concepts/ products and tools of a potential Copernicus REDD+ service for improving the Earth Observation (EO) monitoring of forest change in tropical countries.

REDDCopernicus plans its Workshop Series with the Southern Africa Region on **06-08 October 2020.**

Target audience

Relevant stakeholders are institutions and Users in tropical countries involved in national REDD+ forest monitoring and emission reporting, such as national forest and environmental institutions and ministries.

Aims of the workshop

The objective of the workshop is to **present and evaluate selected concepts/ products** that could serve for improved forest monitoring and reporting in the context of REDD+.

These products might be provided to Users in tropical countries through a Copernicus REDD+ service. Products may include tailored thematic data layers capturing forest status and forest change processes (e.g. tree cover density or forest canopy disturbance maps) as well as satellite image products (e.g. Sentinel-2 composites).

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This project has received funding from the European Union's Horizon 2020 Work Programme 2018-2020 Leadership in Enabling and Industrial Technologies – Space, Coordinated Support Action under Grant Agreement No 821880.

Case studies will be presented for a test sites in Southern Africa in order to assess the relevance of these EO-based products for national REDD+ forest monitoring and reporting in Southern African countries.

The assessment will examine to which extent these concepts/ products can either:

- **provide an improved basis** for national REDD+ forest monitoring & emission reporting,
- **be useful as complementary component** to existing concepts/ products, or
- **deliver added-value** but requiring further adaptation to better match national needs.

The workshop will therefore offer an **important opportunity** to REDD+ Users in tropical countries **to contribute to the shaping the design of a future Copernicus REDD+ service** in a way to best meet national reporting needs.

Expected outcome

An expected key outcome from this online workshop will be a **report summarizing the user feedback and the results** from the evaluation, identifying products/ tools desired by national Users from a potential REDD+ Service component of the European Copernicus Programme.
The User feedback will be documented in a **standardized evaluation and assessment form**.

Contact

For questions about participation, data and agenda contact the workshop conveners:
Sharon Gomez (Sharon.gomez@gaf.de) and Peter Navratil (peter.navratil@gaf.de).

Background

The **REDDCopernicus** project, launched in 2019 in the context of the European Commission Horizon 2020 research and innovation program, aims to implement a co-ordination and consolidation of the existing European Capacity for Earth Observation (EO) based Forest Monitoring with relevant stakeholders, international agencies, the research community and the private sector.

A key outcome of the project will be a **proposal for a framework for a Copernicus REDD+ Service**, which can make use of the planned Copernicus Data and Information Access Services Platform (C-DIAS) for improving EO data and product accessibility and functionality to end-users – both in tropical countries and in Europe.

The **Initial Design of the Copernicus REDD+ Service Component** is available as background information for this Workshop at: https://www.reddcopernicus.info/downloads

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Practical modalities

Given the travel restrictions due to COVID-19, the workshop will be held on-line with a series of interactive Live Web Sessions and individual Hands-on Sessions within a week. The participants will provide their feedbacks through online surveys.

Presentation materials will be provided right before the sessions to allow the participants to follow the presentations offline. Links to access the datasets will be provided in advance - using a Geoportal Platform and/ or delivery of data via zip files. Hands-on exercises with the datasets is an option but additionally there will be demonstration sessions as part of the Webinar series.

Agenda

The virtual workshop will include three modules of interactive Live Webinar Sessions and two sessions of individual hands-on and feedback collection in on-line questionnaires.

06 October 2020

Day 1 Morning Session:	
Web Seminar Introduction & Welcoming	09:00 – 09:15
Open Remarks from National Directors of Forestry Mozambique	09:15 – 09:30
Presentation: Introduction Copernicus	09:30 – 09:40
Presentation: Introduction of the REDDCopernicus Project and Workshop Objectives	09:40 – 09:50
Session 1: Analysis Ready Satellite Image Data	
Presentation and Discussion: S2GM and JRC L1C S2 Imagery and Composites	09:50 – 10:00
Geoportal Introduction and Demo Session with Geoportal and Q&A	10:00 – 10:30
On-line Questionnaire: Guidance and Completion	10:30 – 11:00
Coffee/Tea Break	11:00 – 11:15

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Session 2: Concepts for assessment of Tree / Forest Cover status & extent	
Presentation and Discussion: Tree Cover Density and Forest Type	11:15 – 11:30
Presentation and Discussion: Tropical Moist Forest - Status	11:30 – 11:45
Demo Session with Geoportal and Q&A	11:45 – 12:15
On-line Questionnaire: Guidance and Completion	12:15 – 12:45
End of Day 1 Morning Session	12:45

7 October 2020

Day 2 Morning Session:	
Session 3: Concepts for assessment of deforestation (and regrowth)	
Presentation and Discussion: TMF-Change/Disturbance	09:00 – 09:15
Presentation and Discussion: BFAST	09:15 – 09:30
Demo Session with Geoportal and Q&A for TMF and BFAST	09:30 – 10:00
Online Questionnaire – Guidance and Completion	10:00 – 10:30
Coffee/Tea Break	**10:30 – 10:45**
Session 4: Concepts for assessment of forest disturbance / Near-Real-Time Alerting	
Presentation and Discussion: FCDM Forest Canopy Disturbance Monitoring	10:45 – 11:00
Presentation and Discussion: Radar Forest Cover Loss Alerts (Bayts)	11:00 – 11:15
Demo Session with Geoportal for FCDM and BAYTS Q&A	11:15 – 11:45

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Online Questionnaire – Guidance and Completion	11:45 – 12:30
End of Day 2 Morning Session	**12:30**

8 October 2020

Day 3 Morning Session:	
Session 5: Concepts for Platform and Service Solutions	
Presentation and Demo: Introduction to C-DIAS and Platform Solution	09:00 – 09:30
Presentation: REDD Reporting Interface ForestER	09:30 – 09:45
Question and Answers	09:45 – 10:00
Online Questionnaire: Guidance and Completion	10:00 – 10:30
Coffee/Tea Break	**10:30 – 10:45**
Summary of All Presented Concepts	10:45 – 11:00
Demo Session with Geoportal and Q&A	11:00 – 11:45
Online Questionnaire: Guidance and Completion	11:45 – 12:15
Discussion, Wrap up, Closure of Workshop	12:15 – 12:45
End of Web Seminar	**12:45**

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