

SAHEL REGION

Title: Study on monitoring forest degradation by remote sensing in the Sahel region
(CZZ1910 19)

Amount: 40k€

Category: See4All On-grid TA

Request from: République du Niger, Ministère du Plan

Context

In the Sahel region, 90% of the energy consumed comes from wood, which is the only affordable source of cooking energy for most households. This consumption contributes to deforestation, alongside agricultural activities, with all its consequences in terms of loss of biodiversity and contribution to climate change.

In this context, the AFD is preparing the Bois Energie Sahel project, which aims to reduce the overexploitation of forests in the Sahel. This project is the winner of the AFD Intrapreneur program in 2018-2019. This project plans to deploy large-scale support for the sustainable development of rural timber markets, involving all the private and public actors in the sectors. This program requires the establishment of a forest degradation monitoring system to (i) facilitate the prioritization of project intervention areas, and (ii) measure the project's impacts.

Technical assistance

This study aims to (i) establish the state of the art of forest monitoring in the Sahel by remote sensing, and (ii) set up a web platform for access to satellite images and forest degradation indicators with the best techniques available.

The data sent by the satellites will allow to define the rule of exploitation of the forest (productivity assessment, annual exploitation quotas etc.). This program is also based on feedback from a previous project, FONABES, conducted in Niger, Burkina Faso and Mali by CIRAD with FFEM funding, which provides information on the structuring of rural wood markets in particular.

Status

Finalised in S1 2021.

The web platform has been finalized and is available online for Niger : <https://bois-energie-sahel.masae-analytics.com/map#9/13.4110/2.6559>. Residents with Internet access are able to observe in a few clicks the evolution of forests around their municipality.

In December 2021 AFD awarded a 4 MEUR grant to the Republic of Niger to implement an projet aiming at improving the sustainability of forest management in Mali, Burkina Faso and Niger (Forestry component of the "Bois Energy Sahel" Project - BES). This project will use and improve the web platform to monitor and evaluate the impacts of the project. AFD presented in 2021 the BES project to EU (INTPA & EU in Niger) to prepare future requests in 2022 from AFD for EU "top up" funding of the project to broaden the scope of intervention and the impacts on the ground.



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A facility to develop innovative projects in renewable energy and boost electrification on the African continent.

The AFD Group, with the support of the European Union, has set up the "African Renewable Energy Scale-Up facility" (ARE Scale Up facility) to boost private sector investment in on-grid and off-grid renewable energy production in Africa.

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