



“Use of the results of FIS training  
– Present states and future plan.”

**DRC**

2020

# 1. State of the DRC forest

The forests of the Democratic Republic of Congo (DRC) are very diverse.



- Area of the country: 2,345,000 km<sup>2</sup>
- Forest area : 156 Mo ha (62% of the country and 2/3 of the forests of the Congo Basin)
- Population: approximately 75 million inhabitants
- Structures of the Ministry of the Environment involved in forest management: Forest Management Department, Forest Inventories and Management Department, Sustainable Development Department, Control and Verification Unit.

## 2. Introduction / Review

### ❖ SADC Forestry Strategy Priorities :

- Climate Change adaptation & mitigation
- Energy supply & poverty reduction
- Conservation of catchment forests
- Participatory forest management
- Trade in forest products
- Fire management & trans-boundary issues
- Forest resource information



## 2. Introduction / Review

### ❖ Overall Goal

Contribution to SADC Regional Forestry Strategy 2010-2020 and related programs on :

- Forest Information System
- Forest Fire Management
- Participatory Forest Management

## 2. Introduction / Review

### ❖ Objective

Capacity development of SADC Secretariat and Member States for forest conservation and sustainable forest management.

### Three Pillars



Forest  
**Information**  
System



Integrated  
Forest **Fire**  
Management



**Participatory**  
Forest  
Management

## 3. Training program followed

### ❖ Basic training :

In the **FIS Group**, the following aspects have been developed:

- Basics of QGIS
- Creating of Map layouts in QGIS
- Forest management system basics
- Simple analytics

## 3. Training program followed

### ❖ **Basic training :**

In the **FFM Group**, the following aspects have been developed:

- Awareness ;
- Prevention ;
- Detection ;
- Fire fighting ;
- Management of cross-border lights.

# 3. Training program followed

## ❖ Advanced training :

### ➤ FIS :

- Database (PostgreSQL as one of OSS DBMS)
- Collect data from field
- QGIS Python
- QGIS plugins
- GEE (Google Earth Engine)
- RFIS System Design
- Design your own system
- Using the Tablet

### ➤ FFM :

- Prevention
- Protection
- Suppression
- Rehabilitation

**Field visits to the various national parks and forest reserves**



## 4. Present states

### **FIS Group / FFM Group**

- Each country may have its system of managing forest information, which is different from other countries ;
- Lack of coordination of forest data from the different departments involved in the forestry activities ;
- Knowledge of the Forest Information System ;
- The forest fire management system is different in each country ;
- Knowledge of the Forest Information System and on Forest Fire Management ;
- Availability of the Tablet PC.

## 4. Present states

- Currently, no forest fire management mechanism is in place ;
- The DRC Forest Code talks about it but in a non-specific way ;
- Implementation is problematic, although there are some sporadic actions that are carried out (firewalls) ;
- The country has no logistics suitable for the sustainable management of forest fires ;
- Knowledge of Forest Fire Management.

## 5. Future Plan

- Create a platform with a brain for the transmission or sharing of data ;
- Create a unit in each country for the implementation of the work of the SADC-JICA Project on Forest Information System and on Forest Fire Management ;
- Equip each Cell with adequate logistics for this work ;
- Set up an identical work plan in all the countries of the sub-region ;

## 5. Future Plan

- Set up a monitoring program in each country ;
- The meeting of the 5th year will be an evaluation of the first five year term ;
- Publish data from the first period ;
- Support the implementation of specific texts on the sustainable management of forest fires ;
- The effective application of these texts ;

## 5. Future Plan

- Establish sustainable forest fire management stations across the country ;
- Create and involve grassroots communities in the management of forest fires ;
- Effective involvement of the Government by including a line of credit in the national budget ;
- Conduct awareness campaigns with the populations who inhabit the forest regions.

# Recommendations

- The project should provide need-based technical support including a visit to the particular country for follow up training ;
- Schedule each year a meeting of experts to exchange experience ;
- Integrate the interpretation of other languages of SADC countries (French and Portuguese) ;
- Facilitate obtaining visas for Experts from countries not concerned by free ;
- Send nominal invitations or attach the list of Experts to the invitation.

Thank You

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Merci

Obrigado