

# GROUP 5

- Climate Information Production
- Application, dissemination
- Constraints and Recommendations

# Climate Information Production:

## **MIDIMAR:**

- Disaster Risk Reduction
- Preparedness/

## **Meteo Rwanda:**

- Service for agriculture: Forecast (1day, 3 days, 5days, 10days and seasonal)
- Map room (website): Health Sector

## **Ministry of Environment**

- Developed water resource master plan
- Two times a year make measurement of water quantity and quality

# Application and dissemination

- **Midimar:**

- Public awareness: Radio, mapping system, early warning system on Floods, Droughts and strong wind.

- **Meteo Rwanda**

- Develop package of information
- Develop channels of forecast/ updates: SMS, Social Media, TV, Radio, Toll free phone number, Community meetings, Newspaper, and map rooms.

# Constraints and Recommendation

- Challenges:
  - Cannot cover the whole country in terms of ground stations
  - Insufficient of data storage capacity
  - Dpt of forest and water is quite new and has to outsource expertise.

# Recommendations

- Establish a collaboration framework (PPP) with private sector industry (academia, researchers and NGOs) to do research aims at proposal development for Disaster Risk Reduction.
- Digitize the 30 year records into a digital registry and open data for young innovators to build Apps and boost weather services
- Conduct M&E for general service given to the public Eg: Promote verification and validation program by using real time, Automated and data quality control systems
- Integrate the weather services as part of the GoR smart city program
- Establish a framework for innovations tailored to weather services dissemination models to cover entire population needs especially in high-value sectors like Agriculture, health..
- Design business models to induce the demand side of weather data for self-sustainability in terms funding/monization ( Health, Agri-business investors, Road and telecom infrastructure investors can buy weather info).
- Design capacity building schemes tailored to boost local expertise in weather service development