

Climate Services and Users

Tasks for each group

Applications, dissemination

Constraints

**Does the information matches with expectation,
understandable, accessible, useful, useless**

**La Palisse Hotel
December 5, 2017**

Outline

- 1. Climate services and Health,**
- 2. Seasonal forecast**
- 3. Now casting**
- 4. Short forecast**
- 5. Climate and Water resources management**
- 6. Early warning on Disasters**

Climate services and Health

Floribet Vuguziga/ Meteo Rwanda

1. What is available?

- Weather parameters crucial for health sector: Precipitation, relative and temperature
- Datasests from ground stations combined with Radar data;
- Seasonal forecast is disseminated to stakeholders in health sector

2. Gaps:

Some meteorological station are not providing all parameters for health sector (humidity, rainfall, temperature);

Insufficient of staff to interpret weather information for health sector;

3. Recommendation:

Meteo Rwanda to provide its's staff to interpret weather information for health sector users,

Awareness campaign for the availability of the weather information;

Improve the dissemination of info, using radio channels, mobile technology, Mobile apps, SMS systems, etc

To mobilize more partners in weather and climate services in health sector.

Seasonal forecast

Anthony Twahirwa/MeteoRwanda

What is available:

- 3 months seasonal forecast at regional level,
- The information is disseminated to public via social medias, radio, TV
- Combining with agriculture practices, the production is increased

Gaps

Weather information interpretation for users (Farmers, etc);

Monitoring on efficient use of weather information

Feedback mechanism on provided weather information

Recommendation

- Enhance collaboration with partners mainly MINAGRI to serve farmer with weather information;
- To disseminate information to users nationwide via radios, TVs, social media, sms, mobile application
- Use of telecommunication companies to disseminate info

Now casting

■ **Serge Senyana/MeteoRwanda**

What is available:

- Weather warning/alerts (every 2 hours), daily forecast (24 hours) updated every 6 hours, 3 days forecast, 5 days forecast, 10 days forecast, Monthly forecast

Gaps:

Weather information communication to end users at the lowest level (village level) due to weather/atmosphere instability.

Recommendation:

Use of Mobile apps and SMS systems with mobile telecommunication companies to reach more users

Short term forecast:

Rusanganwa Frank/Meteorwanda

- 12 hours forecast;
- 6 hours updates for changes.
- Information is disseminated through SMS, social media, radio & TV channels,
- Send information to end users (5,000 SMS/day)

Gaps:

Weather information communication to end users at the lowest level (village level) due to weather/atmosphere instability.

Interpretation of the message

All end users do not have accessibility to the weather forecast,

MTN free line (6080) should be useful for all users in feedback mechanism,

Recommendation:

- Awareness campaign with MINAGRI to reach users (farmers) with weather information
- Capacity building for end user to interpret the message
- Use SMS, Mobile apps, social media
- Take advantage of Umuganda to make awareness of weather forecasting with an emphasize on agriculture
- Sector categorization based on weather information to be disseminated

Weather and Water Resources Mgt

Mugunga Remy/ RWFA

What is available:

- Water monitoring (quantity, quality)
- A meteorological station and each catchment network
- Water development

Gaps:

- Implement the collaboration framework among institutions related to water resources institutions;
- Gap in data and information sharing between MeteoRwanda and RWFA
- Financial capacity issues to run water resources projects
- Assess the needs depending on water in every water shed catch area.

Recommendation

Set up of a national framework to guide a collaboration between Meteo Rwanda and RWFA and other institutions

Climate services for EWS

Habyarimana Jean/MIDIMAR

What is available

- Early warning system in Disaster risk reduction and preparedness;
- Risk vulnerability;
- Risks Mapping and analysis;
- National Risk atlas (2015)

Gaps:

- To update the Risk mapping Atlas,
- To integrate radar data/information with installed light sensors in Rutsiro

Recommendation:

To update National risk atlas;

To set up framework collaboration with Meteo Rwanda in efficient use of radar data, AWS.

Set up formal collaboration with research/academic institutions for research purposes.



Thank you!