



Lesotho Meteorological Services

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Presentation on

Weather and Warning Services aspects and its Dissemination
Naonal Public and Mechanism for Production and Dissemination
of Warnings

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18/11/2013
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Lesotho meteorological services

Mission

- To issue public weather forecasts, provide warnings, advisories, meteorological, climatological products and other specialized services primarily for the protection of life and property and in support of economic productivity and sustainable development.



Functions



- Maintains a wide nationwide network pertaining to observation and forecasting of severe weather events and other conditions affecting national safety, welfare and economy.
- Undertake activities relative to observation, collection, assessment and processing of atmospheric data for the benefit of agriculture and commerce and other relevant sectors.



Functions cont....



- Weather observation and monitoring, reporting and collection of data.
- Processing and Analyses of data, Preparation of weather warnings, Weather Forecasts.
- Dissemination of Forecasts, Warnings and Specialized Information Through Media to Users.



services



- Weather forecasts
- Bulletins, Warnings
- Aviation Met Services
- Agro-meteorological Services



End users, beneficiaries



Media

- Press Releases
- LMS web-side
- National Television and Local Radio Stations

Government Ministries/ Departments

- Prime Minister's Office (Disaster Management Authority)
- Ministry of Agriculture and Food Security
- Ministry of Tourism and Environment
- Department of Energy
- Department of Water Affairs
- Ministry of Health, etc;



End-Users, beneficiaries



LMS also generates specialised services to specific sectors of the economy including

- Agriculture, livestock development and food security;
- Transport (aviation);
- General public
- Water Affairs and Water Commission;
- Disaster Management;



Warnings criteria



- Rainfall greater than 30mm in 24 hours.
- Snowfall
- Maximum Temperature less than 10 in the Lowlands
- Winds greater than 20Knots



Forecasting severe weather



- Enable Decision Making in Planning, Preparedness and Good Disaster Management
- Enhances Safety and Protection of life
- Helps reduce damage to property physical infrastructure and the environment

The disasters caused by hydrometeorological hazards include

➤ Droughts



➤ Heavy rainfall leading to destruction of roads and flooding of rivers



➤ Thunderstorms

➤ Hailstorms

➤ Lightning



➤ Cold chills

➤ Frost

➤ Heavy Snow





Strong winds





These hazards impact negatively to the livelihoods of people in Lesotho and Africa as they cause significant set-backs to social and economic development.



Lesotho Meteorological Services



Thank You