



Ministry of
Environment, Water
and Climate



Meteorological
Services Department
of Zimbabwe

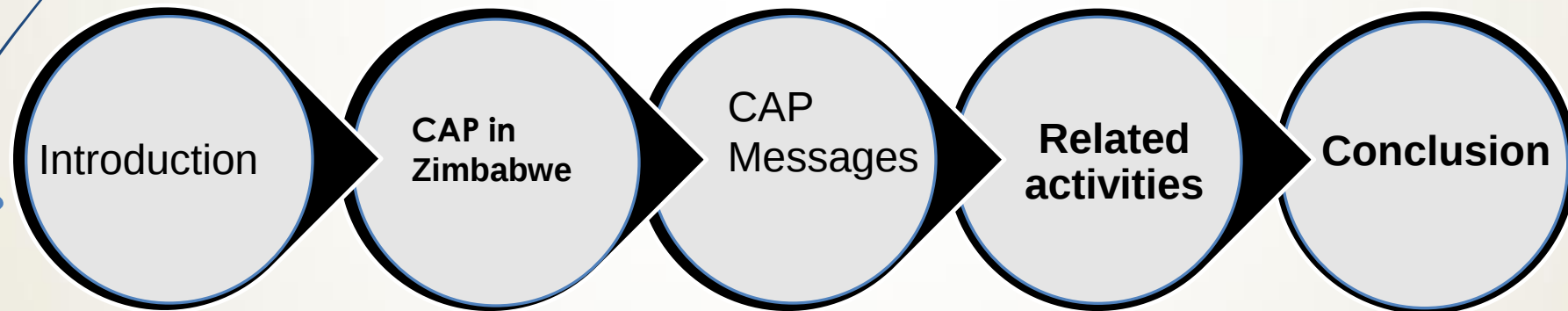
CAP IMPLEMENTATION WORKSHOP

ROME, ITALY

19 – 21 SEPTEMBER 2017

CAP AND RELATED ACTIVITIES IN ZIMBABWE

PRESENTATION OUTLINE



Introduction



Map data ©2017

- Zimbabwe is a landlocked country located in southern Africa, between the Zambezi and Limpopo Rivers.
- Lies between latitudes 15° and 23°S , and longitudes 25° and 34°E
- It is bordered by South Africa to the south, Botswana to the west and southwest, Zambia to the northwest, and Mozambique to the east and northeast.
- The name "Zimbabwe" stems from a Shona term for Great Zimbabwe, an ancient ruined city in the country's south-east whose remains are now a protected site.

Introduction Cont...



- Home to the mighty Victoria Falls one of the World's 7 natural wonders
- Zimbabwe has a tropical climate with many local variations.
- The country is mostly savannah, although the moist and mountainous eastern highlands support areas of tropical evergreen and hardwood forests.
- Mineral exports, gold, agriculture, and **tourism** are the main foreign currency earners of Zimbabwe



Meteorological Services Department (MSD)



- MSD is a Department in the Ministry of Environment, Water and Climate in the Government of Zimbabwe.
- MSD is the National Designated Authority on meteorology, climate and seismology.
- MSD Headquarters are in Harare, Zimbabwe



CAP in Zimbabwe



A CAP and Social Media Jump-Start Training Workshop was held in Harare, Zimbabwe September 2015.

CAP in Zimbabwe Cont...

- The CAP jump-start training was sponsored by WMO.
- The Training was conducted by CAP experts from Tanzania Meteorological Agency (TMA).
- Members of the National Civil Protection Unit and Development Partners also attended the workshop.
- To date the Meteorological Services Department of Zimbabwe is the only registered alerting authority on meteorological and seismological hazards and disasters.
- Efforts are underway to conduct a National workshop with the assistance of the Civil Protection Unit to train and register other alerting authorities.
- UNDP country office has shown an interest as a funding partner.



Issued CAP alerts

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Expected Heavy Rains 25 To 28 January 2016

This advisory is issued in anticipation of heavy rains that are forecast to affect much of the country from Monday 25 to Thursday, 28 January 2016. A cloud system currently over Botswana and South Africa is forecast to move into Zimbabwe by the 25th through Matabeleland Provinces. This is expected to spread further into the country and indications are that there would be sharp downpours that might lead to potential flash floods. We are anticipating that falls in excess of 50 mm in 24 hours may occur in all Matabeleland Provinces, Central Midlands, all Mashonaland Provinces and Manicaland. In general rains are expected countrywide on the 25th and 26th but by Wednesday through to Thursday should be mainly confined to Mashonaland Provinces and Manicaland. Of note however are the rains in excess of 80 mm that are forecast in the Nyamandlovu, Tsholotsho, Kezi and Gweru/Zvishavane areas on the 26th and into Mashonaland Provinces on the 27th.

Expected Heavy Rains

This advisory is issued in anticipation of heavy rains that are forecast to affect the country beginning this Sunday 13 December and are expected to intensify from Monday 14 December until the of the period. While noting that weather patterns may change abruptly, as shown by the transition from current record high daytime temperatures, as of now, the indications are that there would be widespread sharp downpours that might lead to potential flash floods. We are anticipating that falls in excess of 50mm in 24 hours may occur along the main watershed and in Manicaland. Please note: temperatures have been high and the thunderstorms have the potential of large hail and damaging winds.

Expected High Temperatures : 3 to 9 December 2015

The Meteorological Services Department wishes to advise the public that in the following: Matabeleland South, Masvingo, much of Midlands, Manicaland and most of Mashonaland provinces, it is forecast that high daytime temperatures will affect these areas during the period 3 to 9 December 2015. These temperatures are expected to range from 33°C to 42°C and are linked to hot and dry winds blowing from warmer regions near the Equator. The temperatures are however expected to reduce in Matabeleland North as a cloud system is affecting those areas. It is also important to note that the combination of this moisture together with the heat can trigger violent thundershowers that may be accompanied by hail and strong winds.

An earthquake occurred in Masvingo measuring 4.5

An earthquake of moderate magnitude measuring 4.5 was detected on Sunday, 25 October 2015 in Manicaland, southeastern Zimbabwe at 0148 AM (local time). The epicenter (latitude 20°08'20.4"S and longitude 32°02'52.8"E) which places it near Buhera. The event was also felt by people in Makarara, Zviyambe and other nearby areas. The Meteorological Services Department is not aware of any reports of damage that may have occurred in these areas but no serious damage would be expected with an earthquake of this magnitude.

Expected High Temperatures

The Meteorological Services Department wishes to advise the public that the prevailing weather conditions of very high temperatures over the country are expected to continue until next week. Daytime temperatures over the country are expected to range between 35°C and 43°C peaking to as high as 45°C in low lying areas. Places like Kariba, Beit Bridge, Chiredzi and Binga are likely to suffer the most. The temperatures are expected to reduce slightly in the Lowveld (by 2°C to 3°C) on Monday 12 October but thereafter should increase again until Friday 16 October 2015.



Issued Alerts



DATE: 11 January 2017

PRESS RELEASE

SUBJECT MATTER: EXPECTED HEAVIER RAIN FROM SATURDAY 14 TO TUESDAY 17 JANUARY 2017:

The Department strongly advises that this is a **heightened warning** and urges the general public to take **serious** note of this.

The Meteorological Services Department wishes to alert the public that potentially heavier rain is expected to affect much of **Mashonaland Central and East provinces, Manicaland province as well as north of Masvingo province from Saturday 14 to Tuesday 17 January 2017**. Already the ground in some areas is well soaked and therefore this further aggravates the risk of flooding in these areas.

Meteorological explanation

A series low pressure systems, both in the lower and middle levels of the atmosphere should enter the country through Manicaland province from Mozambique. This combination is conducive for increasing and squeezing the moisture in the country, hence the increased precipitation.

Expected weather from Saturday 14 to Tuesday 17 January 2017

Over the high ground areas along the **northern watershed as well as the Eastern Highlands**, rainfall in excess of **90mm in 24 hours** is highly probable. This is especially more so between **Sunday 15 and Tuesday 17 January**.

These series of maps below (**Fig 1 and 2**), indicate the areas with the anticipated heavier rains on **Sunday 15 and Monday 16 January 2017**. The colours presented show the **intensity of rain anticipated**. In general the heavier rainfall is coloured **dark red**.

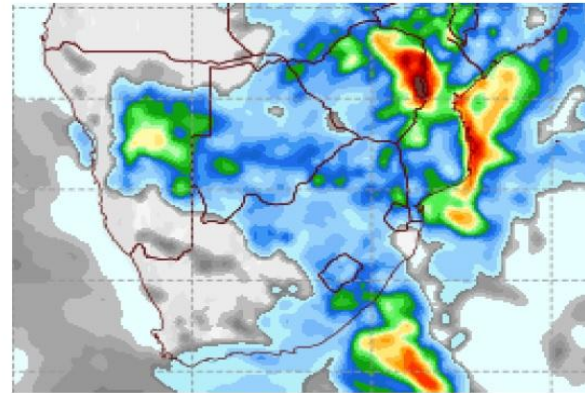


Fig 1: Sunday 15 January 2017

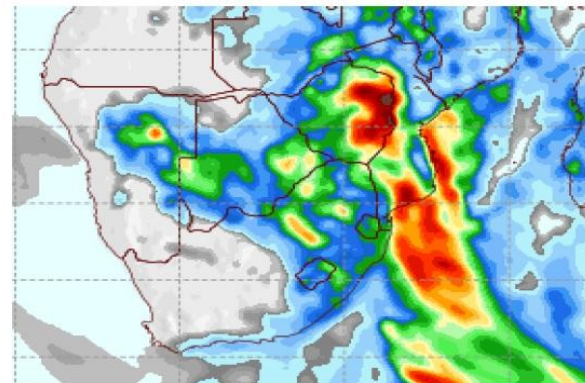


Fig 2: Monday 16 January 2017

Recommendations

The Department, by way of this press release, is alerting responsible authorities such as Department of Civil Protection, Local Authorities, the Police, rescue services including power utilities, to be on the alert for the duration of this period.

The Department is also grateful to the partnership with the media regarding information on areas affected by disasters. The public is also being requested to provide feedback or information on disasters. We are on twitter, facebook and whatsapp as well as having a website (refer to footnote).

In addition to the above, please contact the Public Weather Services on (04) 778176 or monitor our daily weather forecasts.

Issued by Meteorological Services Department

CAP Related Activities

- Early Warning Community Radios
- Website
- Social Media
- Virtual Weather Recording Studio
- Short Message Platforms and WhatsApp messaging
- Print and electronic media



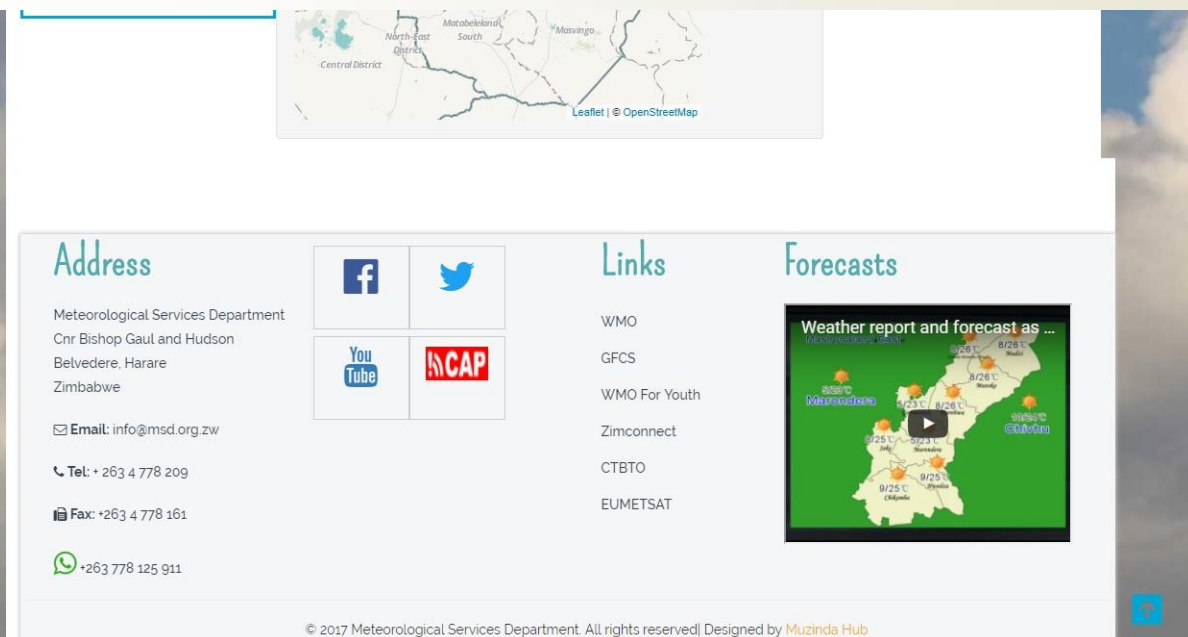
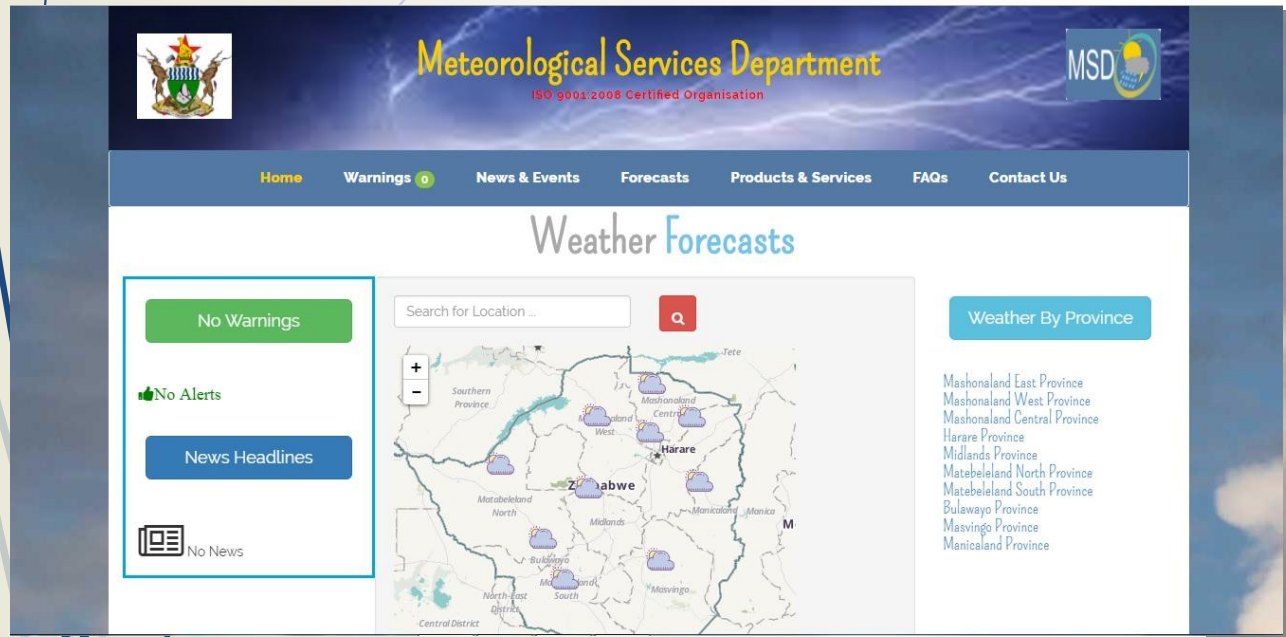
Early Warning Community Radios

- Deployment of 1600 FM Band radios.
- EWARN Community Radios use the National Broadcaster as well as Private Broadcasting stations to issue warnings where there is radio coverage.
- 1200 Wards have been targeted, especially in Disaster Prone areas.
- Partnership with community leaders at ward Level (Headmen, Chiefs, District Administrators and the Police).
- CAP messages will be disseminated as voice messages using EWARN radios.





Website



- An integration of all MSD's communication platforms.
- Desktop and mobile version
- Visit www.msd.org.zw

Social Media: Twitter

- Twitter Handle is @MSDZIM.
- Our Twitter account is linked both to our website and Facebook account.
- Tweets are automatically broadcasted to the website and Facebook Page.
- Broadcast Shorter Messages
- Twitter reaches wider than Facebook, so Alerts are quickly disseminated.



Social Media: Facebook

- ▶ Facebook page linked to Twitter and Website.
- ▶ On a daily basis we post forecasts, then news and events as they come.
- ▶ During the periods of weather and seismic hazards, warnings and/or alerts are posted on Facebook in CAP message format.
- ▶ The messages will include, type of hazard, location, time and satellite images.



Virtual Weather Studio

- In-house virtual weather studio.
- Pre-recorded clips are sent to the National Broadcasting Corporation twice a day.
- Weather presentations are in three languages (English, Shona and Ndebele).
- Weather presenters announce alerts and text will also scroll on the screen to cater for those with hearing problems and to emphasize important messages.



WhatsApp

- Whatsapp platform is used to broadcast meteorology, climate and seismology information to the public.
- Examples of information disseminated via WhatsApp are: daily forecasts, seasonal forecasts (in 14 languages), warnings, alerts and press statements.
- People also get in touch with us on WhatsApp with enquiries or updates of what will happen in their areas during disaster situations.



+263 778 125 911

Short Message Service

- OneWeather is a partnership between MSD and NetOne a Zimbabwean telecommunications company.
- OneWeather uses USSD commands and it costs users 20 cents to access information through the platform.
- Through the National Civil Protection Unit, Mobile operators are mandated to issue warnings and alerts free of charge when there is a hazard or disaster.





Print and Electronic Media

- Forecasts, warnings and alerts are broadcasted on both National and Private radio stations.
- Strong working relationship with the media.
- Press statements.
- Media Briefings.
- Daily call in live weather update and forecast to specific radio stations.
- Weekly weather updates in Newspapers (English and Shona).
- Farmers Guardian Newspaper – MSD and SEEDCO core owned newspaper
- Live television and radio shows.



MSD

Media Briefs



70 die in floods, as citizens continue to take risks

January 30, 2017 Business



Met Office warns of floods

March 22, 2017 Local News

Abigail Mawonde Herald Correspondent

THE Meteorological Services Department (MSD) yesterday warned of potential flooding in Manicaland and Mashonaland provinces as rains continue to fall in most parts of the country. "Flood threats have heightened in Manicaland Province as well as Mashonaland provinces, so be warned," it said. The MSD said on Monday a number of areas received significant rains.

In Manicaland, Nyanga recorded 85mm, Chisengu 83mm, Chipinge 62mm, Mukandi 55mm, Mutare 48mm and Rusape 36mm.



Wednesday, 20th September 2017



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ZimPF official rejoins Zanu-PF

Hearts of Oak players in accident

Met Office warns of flooding

December 15, 2016 Local News

Pamela Shumba, Senior Reporter

The Meteorological Services Department (MSD) has warned of heavy rains and potential flooding in some parts of the country until December 22.

Conclusion

- Cheap, fast and quick to broadcast messages on social media.
- We are able to meet information needs of individuals and communities.
- Provides opportunities for Meteorological Services Department (MSD) to enhance the delivery of information and services.
- To enhance interaction between MSD and its customers, for MSD to better understand the customers' needs and interests.



Thank you!!!