SWFDP/SARFFG Regional Technical Meeting and User/CONOPS Workshop
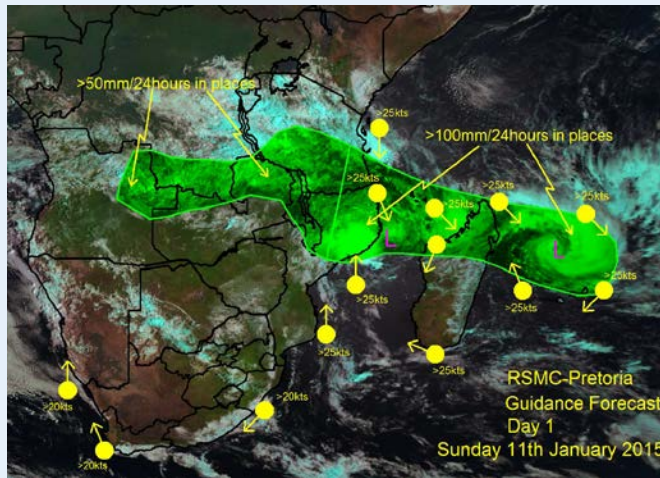
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ISO 9001 Certified Organisation

RSMC PRETORIA ROLE IN SWFDP-SA

RSMC-Pretoria Guidance Forecast Day 1 Sunday 11th January 2015

RISK	No risk	Low risk	Medium risk	High risk	No risk	Low risk	Medium risk	High risk
	Heavy Rain				Strong Winds			
Angola		NE			X			
Botswana	X				X			
DRC		S			X			
Comoros				X				X
Lesotho	X				X			
Madagascar				N				X
Malawi				X	X			
Mauritius				X				X
Mozambique				N				Central + N coasts
Namibia	X							Ext S coast
Seychelles	X							SW+SE isles
South Africa	X							W + E coasts
Swaziland	X				X			
Tanzania		S						Coast and isles
Zambia			NE		X			
Zimbabwe	X				X			

- **Started with demonstration in 2007, now operational**
- **NWP/EPS products provided by Global Centres NCEP, UKMO and ECMWF.**
- **LAM from RSMC PTA**
- **RSMC forecaster provides daily guidance for 5 days ahead.**
- **Heavy rains (50mm, 100mm and 150mm/24hours).**
- **Strong winds (>20kts)**
- **Rough seas (>2m)**
- **Extreme temperatures**
- **Probabilistic forecast**
- **Satellite-based now-casting products**
- **No flash flood guidance**

RSMC PRETORIA ROLE IN SWFDP-SA

- **Guidance material are made available at http://rsmc.weathersa.co.za/login.php**

- **Archived for case studies**

- **RSMC issues Guidance, countries take final decision on warning**

- **All tools used at RSMC are available for participating countries via website**

- **RSMC forecaster provides daily guidance for 5 days ahead.**

RSMC PRETORIA ROLE IN SWFDP-SA

- **Current Guidance main weakness could be the use thresholds**
- **Thresholds for possible disaster may change depending on the pre-existing conditions**
- **Individual countries are however free to use local threshold**
- **Warnings based on impacts would be a better solution, like flash flood warnings**

Thank You

Doc Ref no: FCAST-PRE-
SWFDP-20131113-001.1