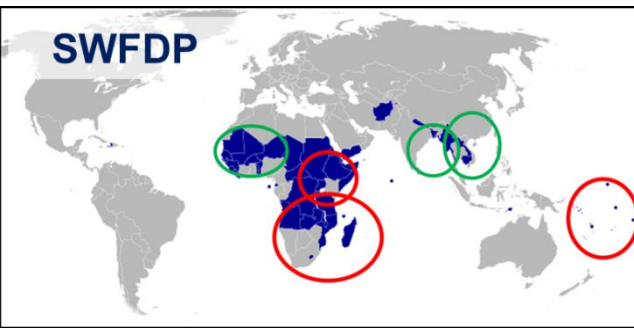


# WMO Project on Twinning SARFFG & SWFDP-SA



# SWFDP vs SARFFG



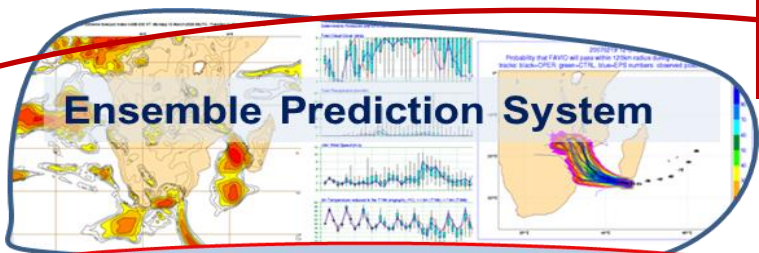
- SWFDP since 2007
  - Backbone is the cascading of EPS, NWP, Sat Nowcasting forecasting products on internet
  - From Global to RSMC to NMSs to DMAs
  - Forecast for next 5 days, every day
- SARFFG since 2014
  - Model server at RSMC, flash flood guidance products to NMHSs via internet
  - Nowcast for next 6 hours

# WMO SWFDP/SARFFG Twinning Project

- SWFDP guidance supports each country's NMS with weather forecast guidance and products every day for next 5 days
- SARFFG provides hydrological guidance to NMSs and NHSs of potential flash floods
- Both support provision of warnings to Disaster Management
- Twinning project by WMO aims to integrate systems of SWFDP and SARFFG, including enhanced user products
  - Supported by technological enhancements
  - Additional products for forecasters and users

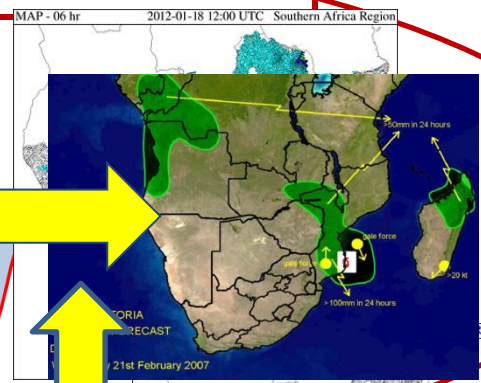
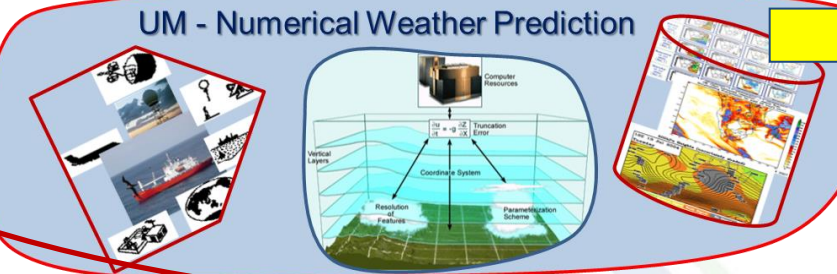
# Integrated SWFDP-SARFFG Forecasting System

### Ensemble Prediction System

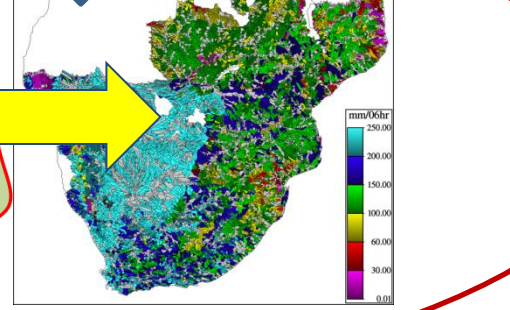
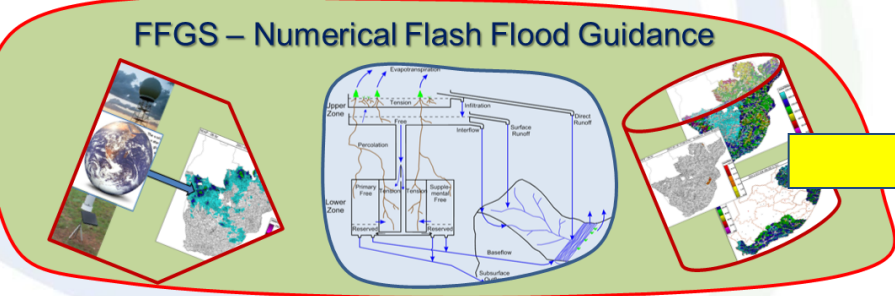


**SWFDP**

### UM - Numerical Weather Prediction



### FFGS - Numerical Flash Flood Guidance



FCAST-P

**SARFFG**