

The future of African weather forecasting:

The way forward and its sustainability for socio-economic development

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World Meteorological Organization
Organisation météorologique mondiale

Dr. Mariane Diop Kane
WMO Regional Office for Africa
AMCOMET Secretariat

Outline

- ❑ Priorities
- ❑ Filling the capacity gaps (infrastructures, human resources, institutional)
- ❑ Partnerships/ Public private sector
- ❑ Delivery of services to all decision makers and the last miles



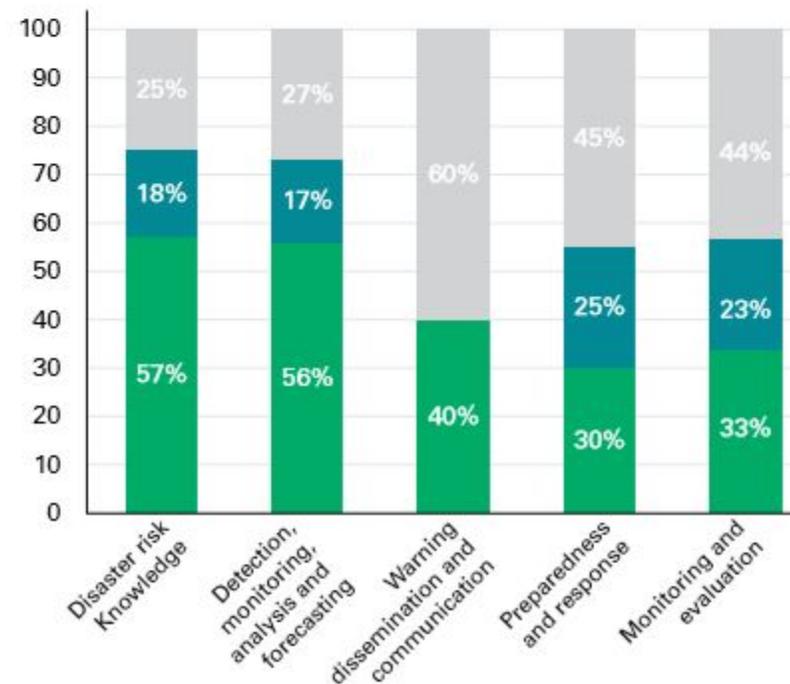
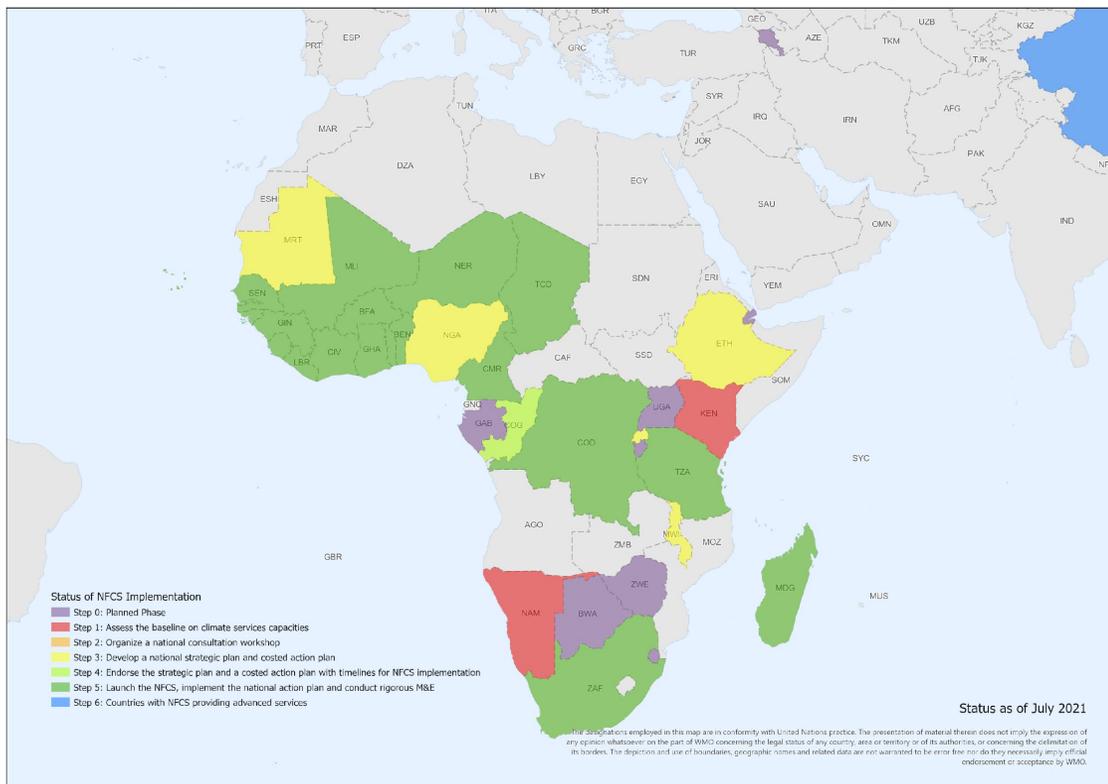
Priorities

- All time scales, nowcasting, subseasonal to seasonal, as well as quinquennial and decadal scales to fit the scales for national planning
- Improve the spatial resolution: downscaling the forecast at village and community level
- Paradigm shift in forecast: impact based forecasting
 - WMO training workshops through SWFP, HIGHWAY
 - NFLICS, statistical forecasting, need to work with Civil Protection, Disaster Management Authorities



Priorities

Implement effectively NFWWCS – GMAS, MHEWS



Source: 2020 State of Climate Services report

MHEWS implementation in Africa much lower. Preparedness & monitoring low

Filling the capacity gaps

- Institutional
 - NMS to be more autonomous
 - legal framework
 - recover costs from services (not only aviation)
- Infrastructures
 - observation networks, CDMS, data processing system (CLimSA, MESA, GMES, SOFF addressing the issues, win-win partnership with the private sector)
- Human resources
 - Critical mass of expertise, transfert of technology, partnerships



Partnership/ Public private engagement

- Partnership between Met Services and Universities to translate science into operations eg SWIFT but need to scale up
- South-South Partnerships – establish a pool of Experts available to help the others
- Private sector; eg Nigeria with equipment vendors, Senegal with insurance companies etc
- Delivery of services to all decision makers and the last miles

Effective delivery of services

- Forecast is useful only if delivered on time and adequate actions taken
- Mainstream Met information services in national planning process
- MHEWS need to be put in place
- Need to find a sustainable business model to disseminate EW to end-users –
 - Common Alerting Protocol,
 - engage with telecom companies, small startups, and other companies who support local development



Thank you



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