



SWIOCOF - TC

- Seasonal outlook Rainfall UPDATE -

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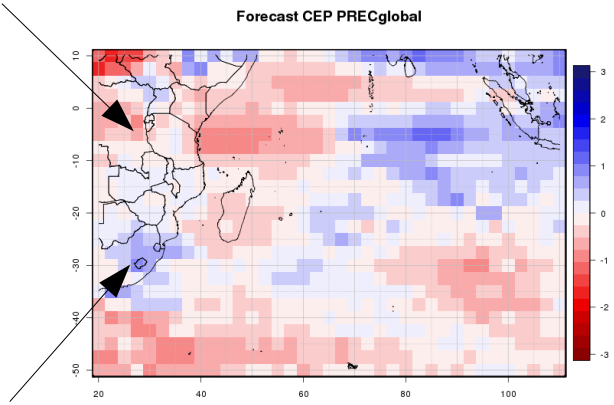
Regional Outlook Forum for South-West Indian Ocean countries

October 28th 2021

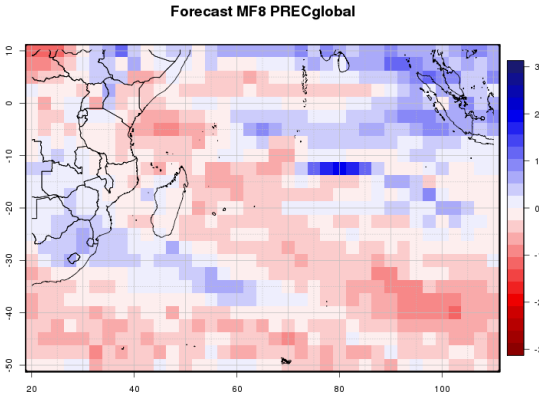
- WebConference -

Seasonal forecast: Rainfall forecast – base : 2021/10

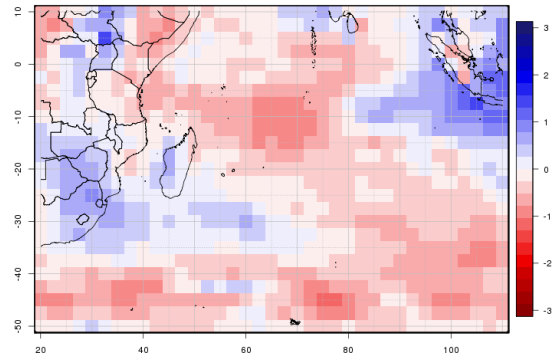
Below normal



NDJ 2020



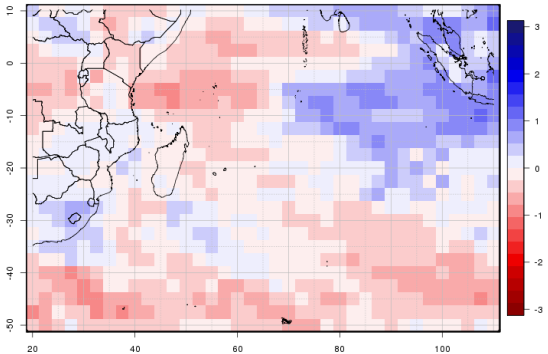
Forecast NCEP PRECglobal



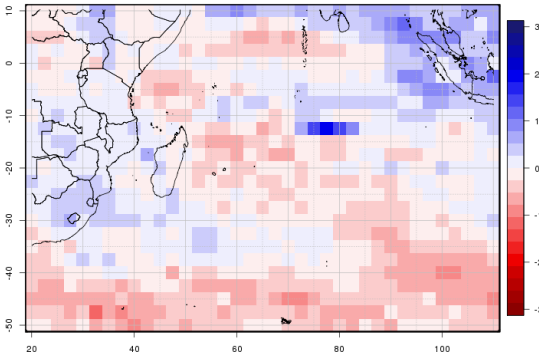
Above normal

DJF 2021

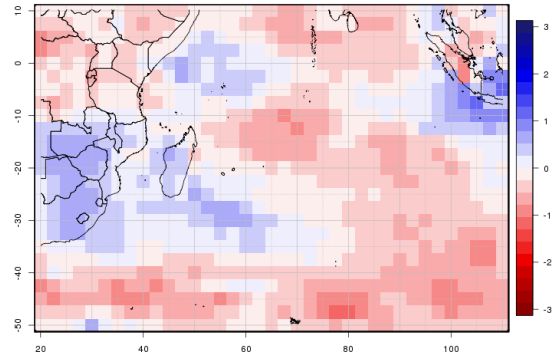
Forecast CEP PRECglobal



Forecast MF8 PRECglobal



Forecast NCEP PRECglobal



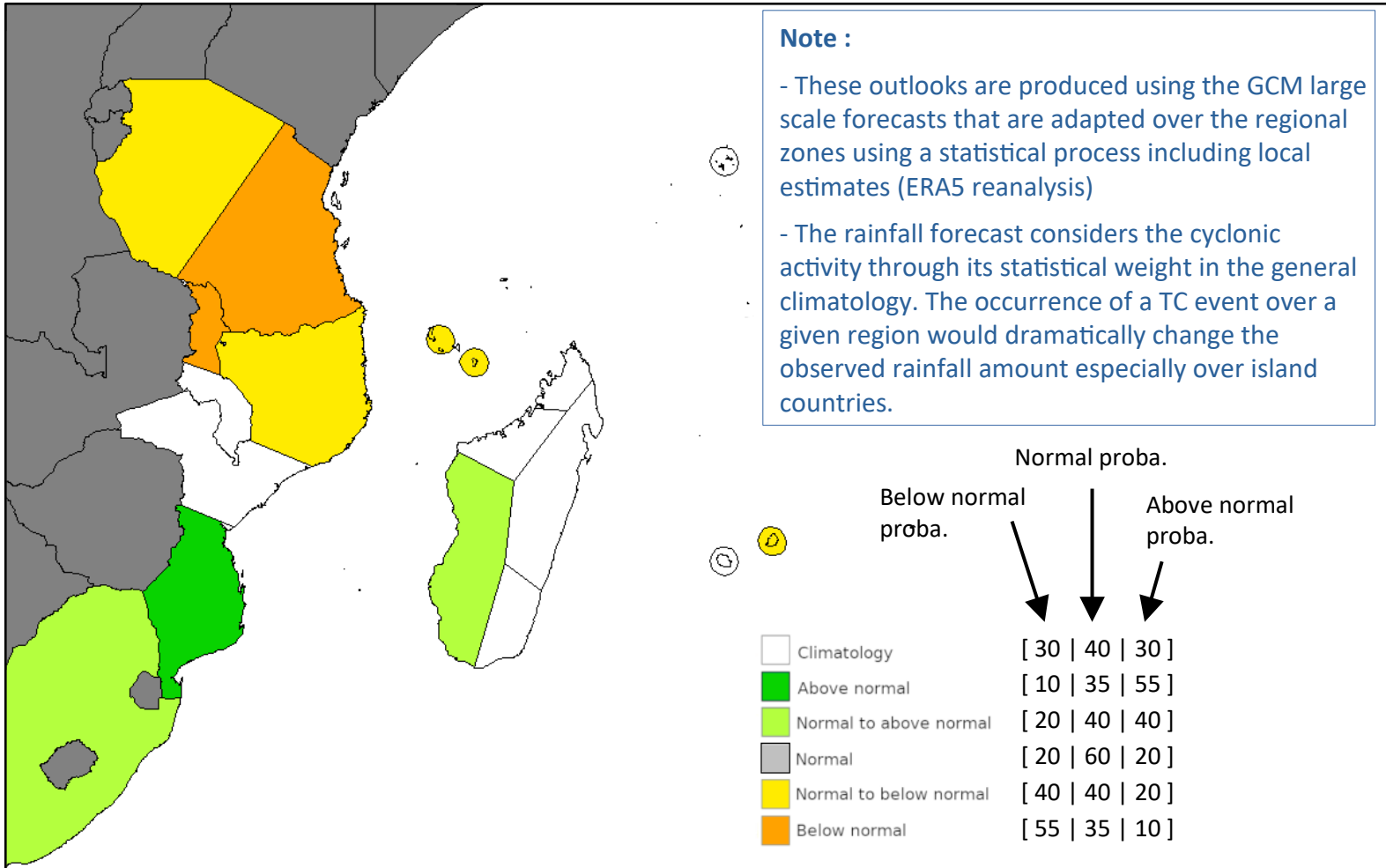
ECMWF

MF

NCEP

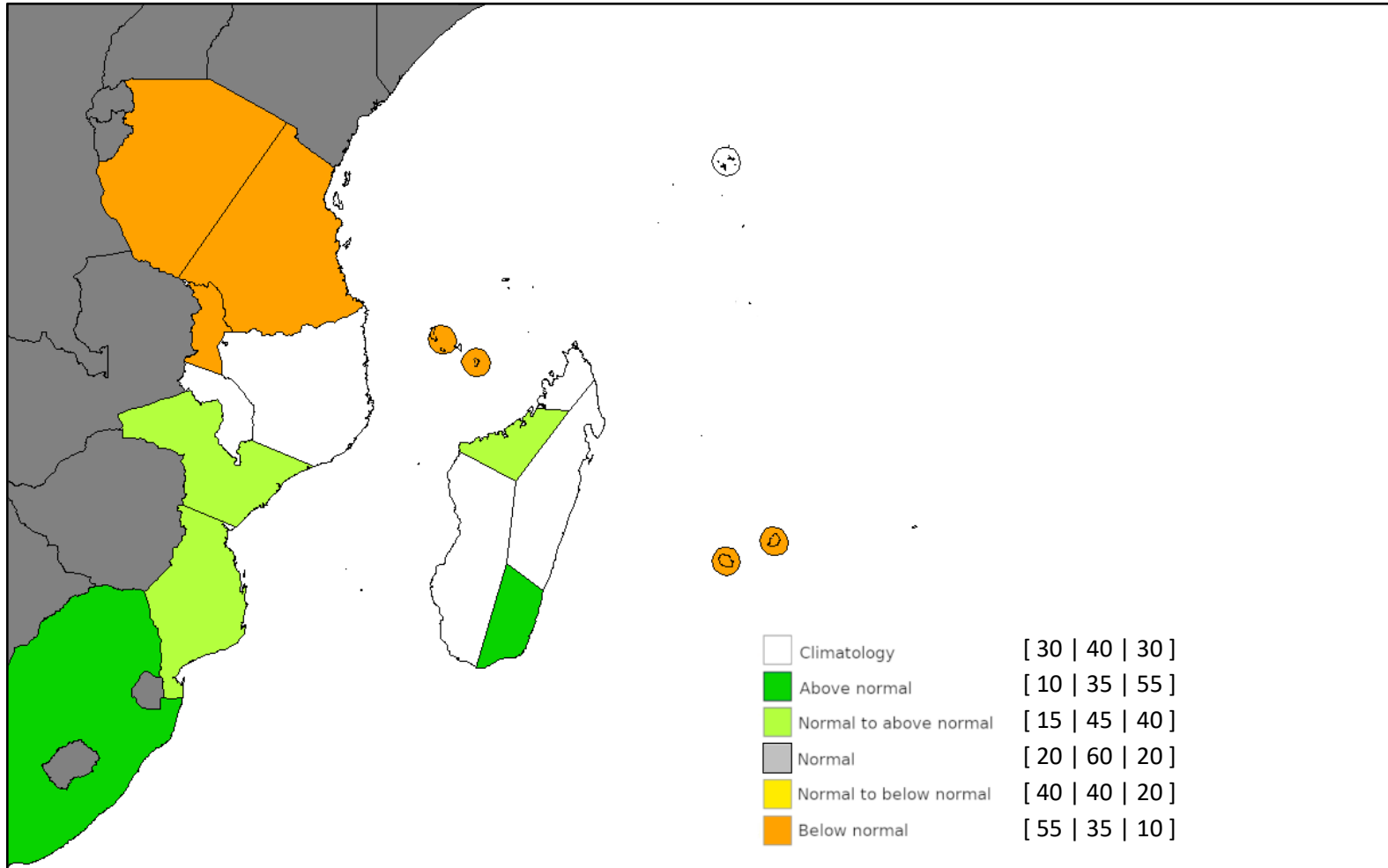
Seasonal forecast: Regional forecast – base : 2021/10

Rainfall anomalies probabilities : NDJ



Seasonal forecast: Regional forecast – base : 2021/10

Rainfall anomalies probabilities : DJF

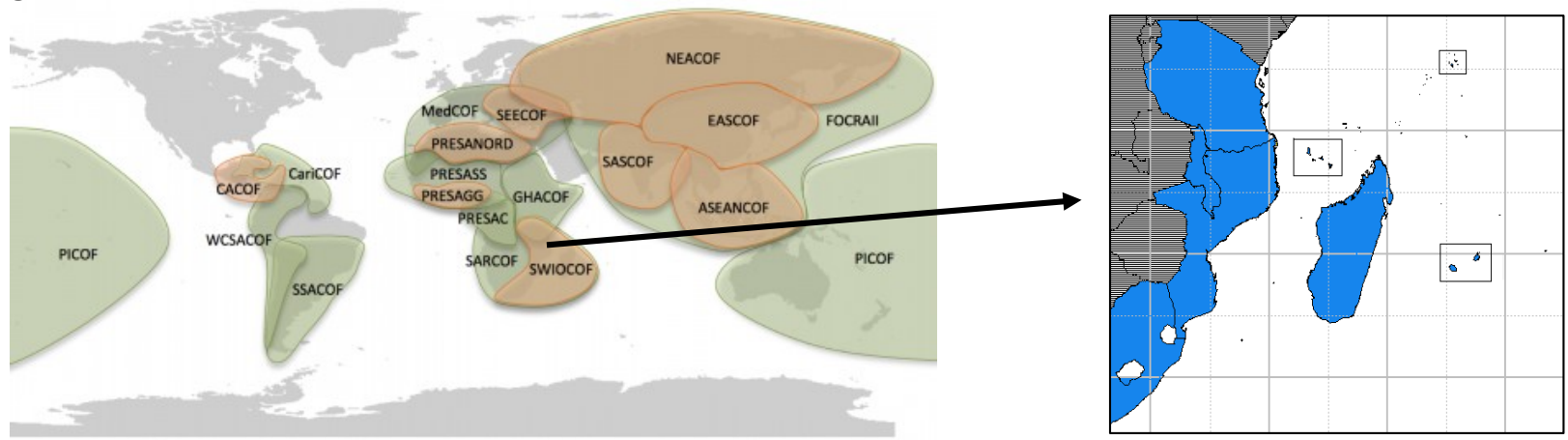


Thank you for your attention

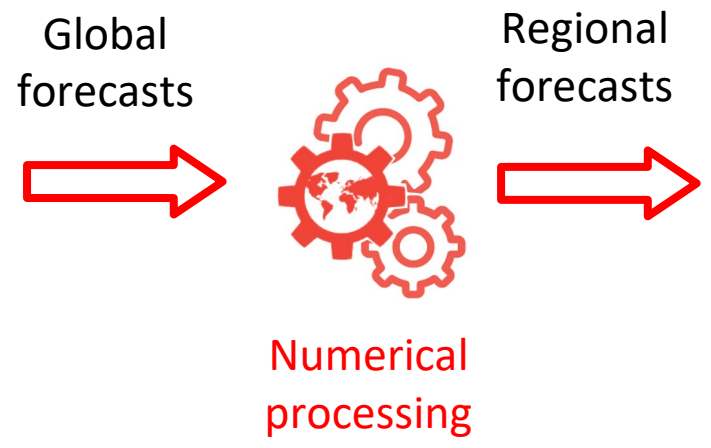


Seasonal outlook : Context

Regional Climate Outlook Forum around the world

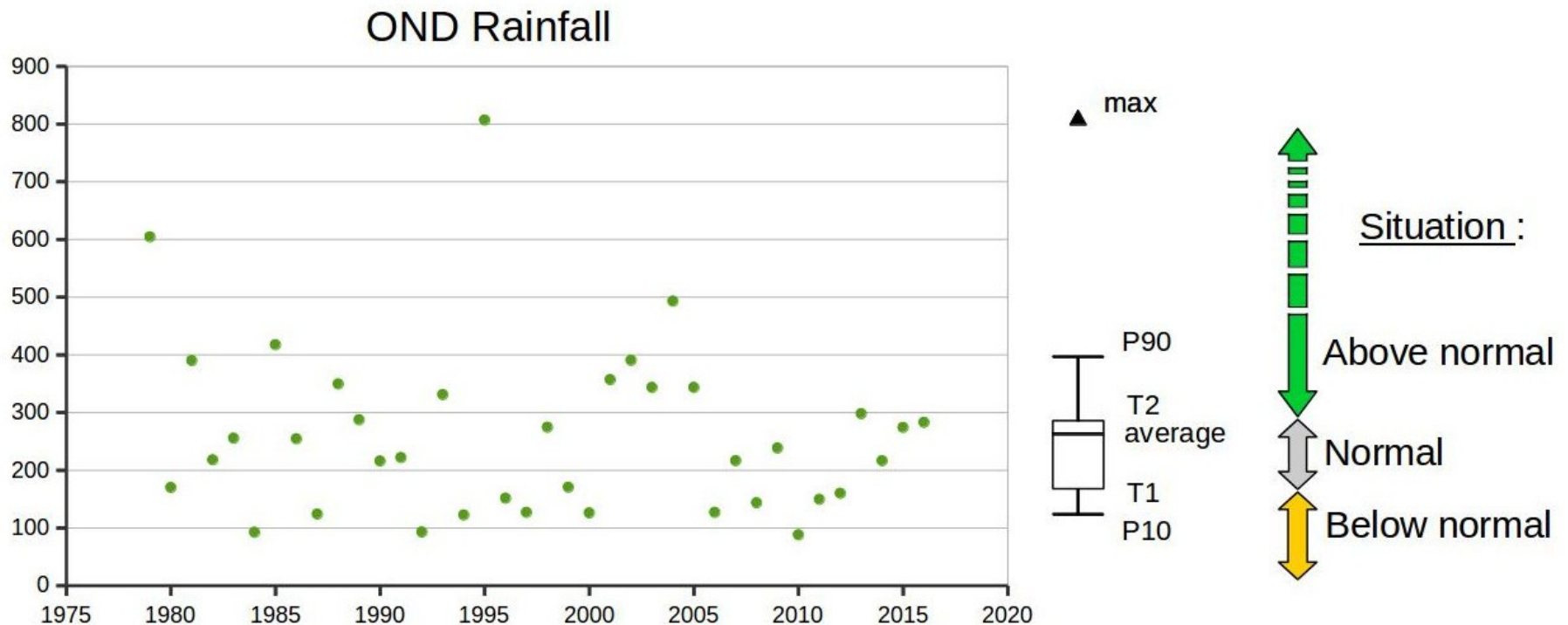


Global Producing Centers for Long Range Forecasts



Seasonal outlook : Context

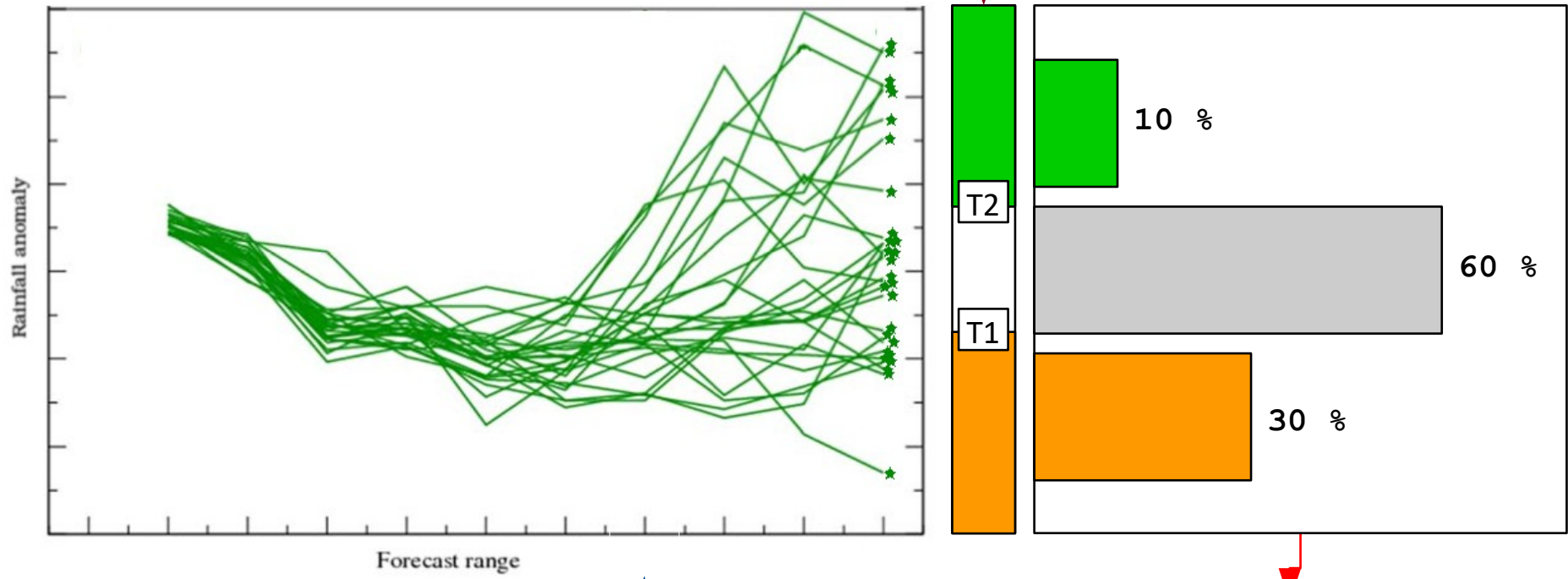
Seasonal forecasts are expressed in terms of anomalies of parameters : e.g. more or less rainfall than normal



Seasonal outlook : Context

Probabilistic forecast: which tercile is the most likely?

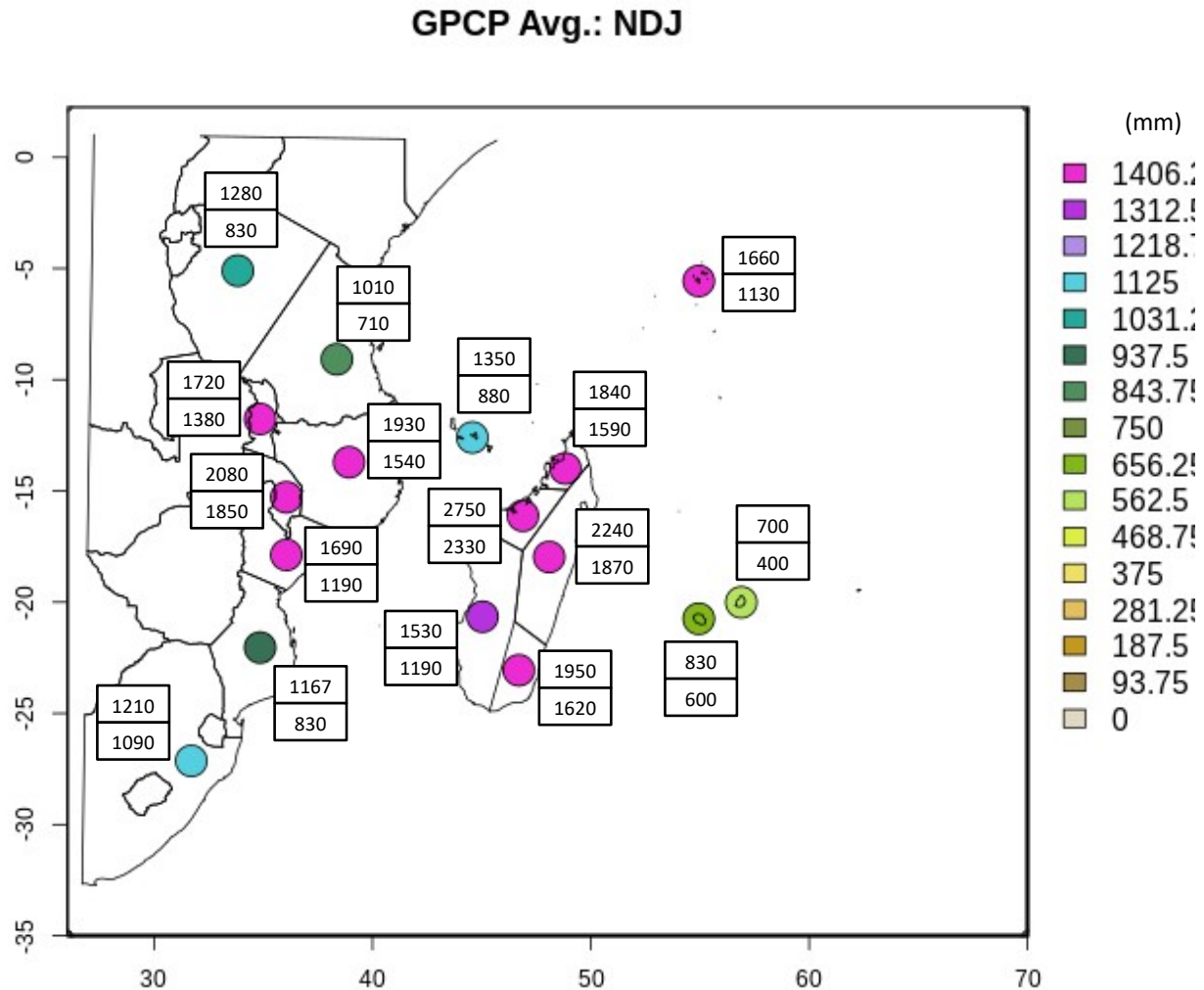
Climatology: PDF of observed variable



Ensemble forecast:
a plume of 50 members

Final forecast:
"Normal situation"

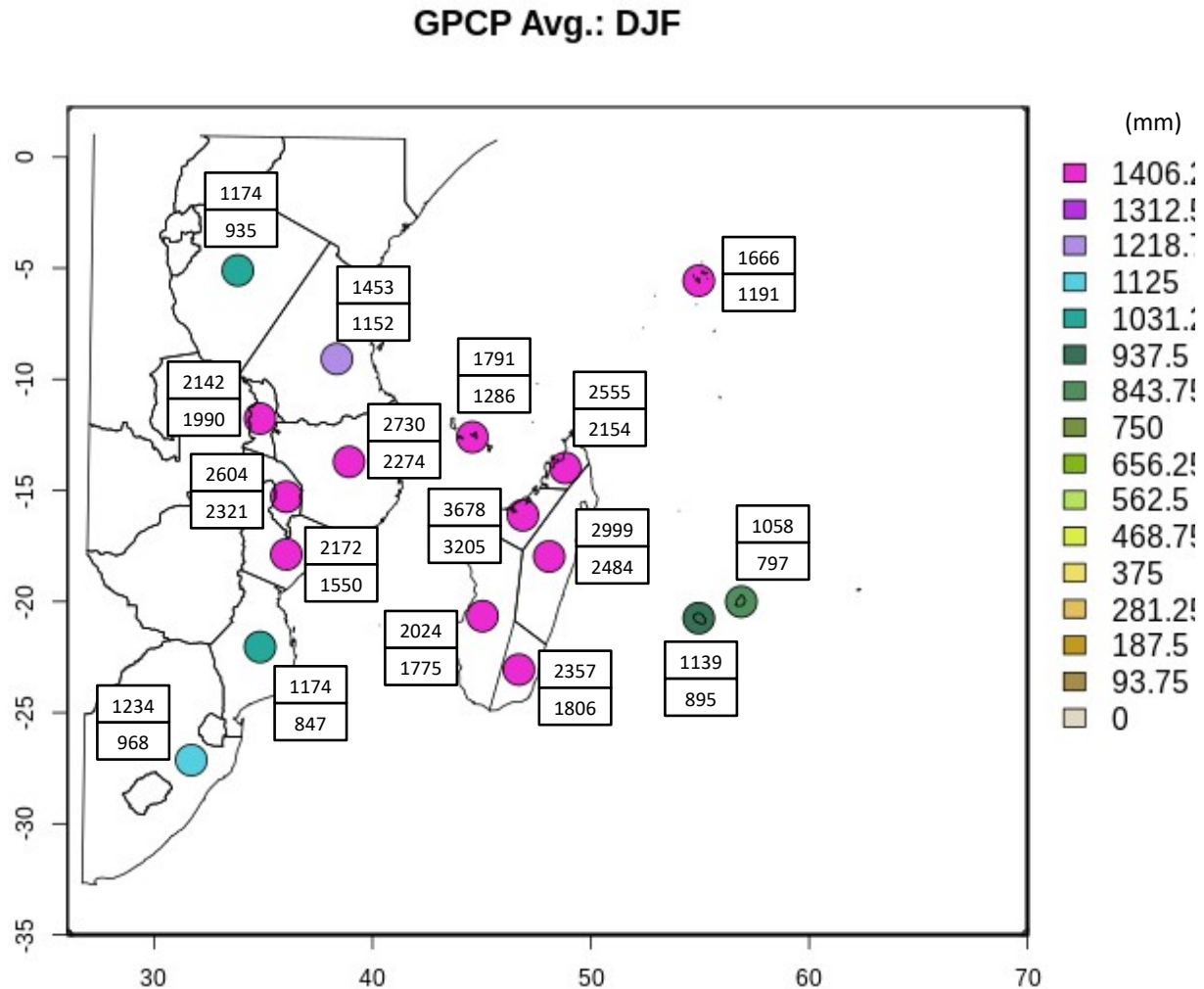
Seasonal outlook : Rainfall normals NDJ



1993-2016

Terciles of the GPCP rainfall estimate distribution

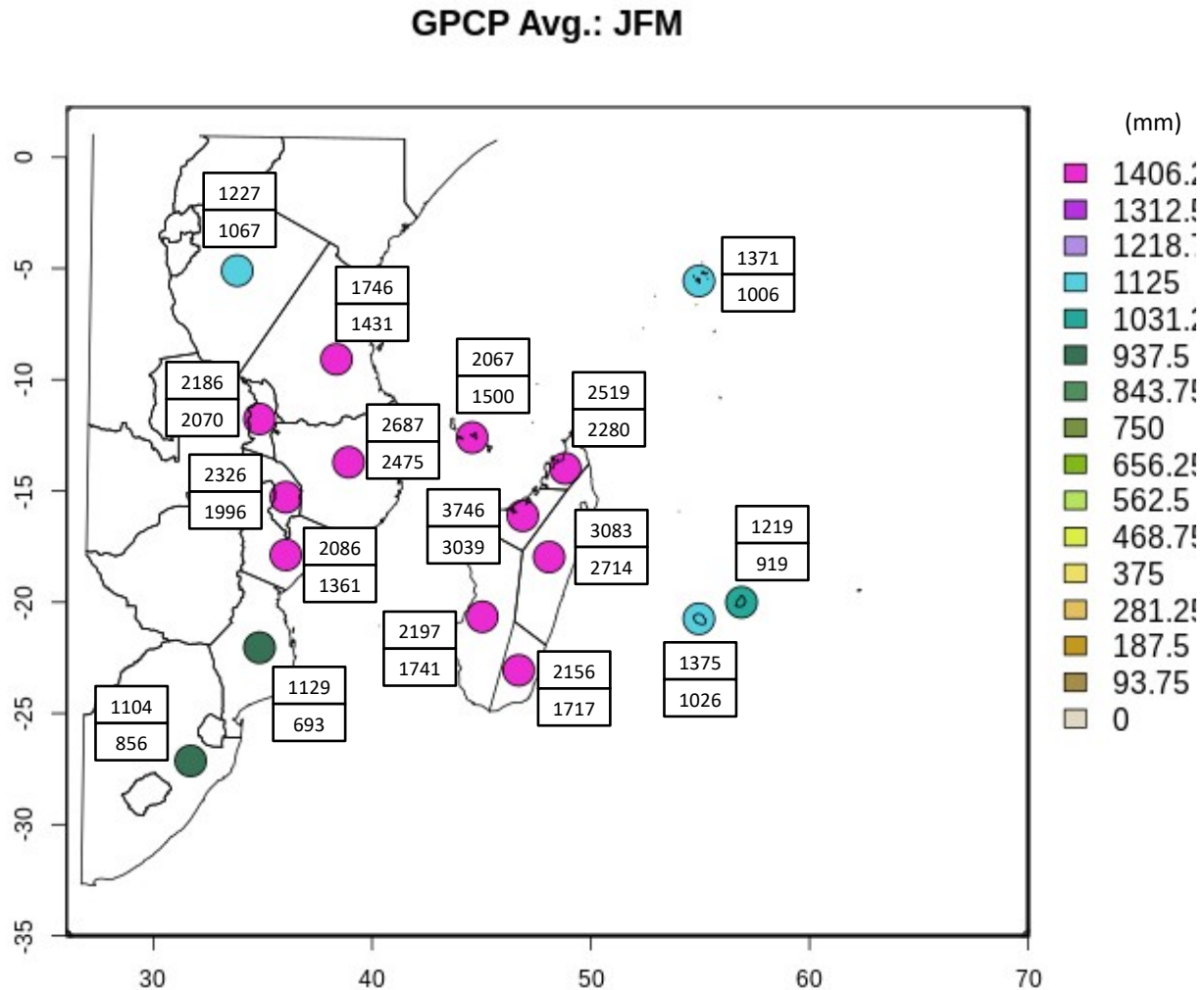
Seasonal outlook : Rainfall normals DJF



1993-2016

Terciles of the GPCP rainfall estimate distribution

Seasonal outlook : Rainfall normals JFM

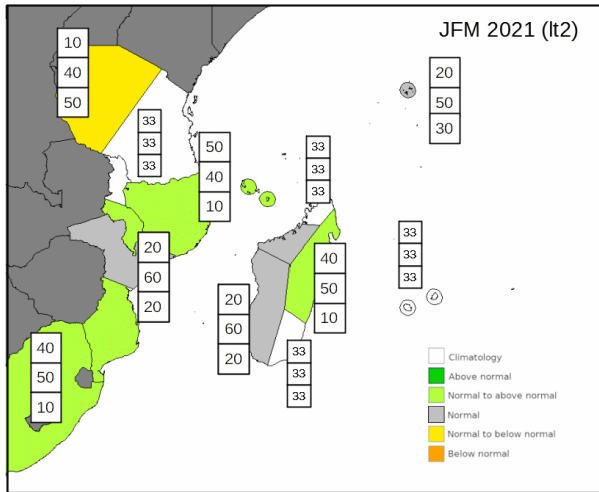


1993-2016

Terciles of the GPCP rainfall estimate distribution

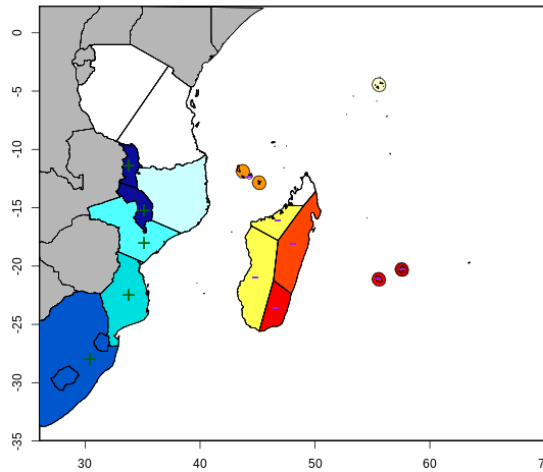
Seasonal forecast: Regional forecast verification – base : 2020/11

Forecast issued
2020/11



« Observation » (ERA5)
JFM 2021

RR Std. Anom.: JFM 2021



Score of the
forecast

Score RPSS: RR JFM-2021 It2

