



COMMISSION DE
L'OcéAN INDIEN



SWIOCOF - 10

- Seasonal outlook -

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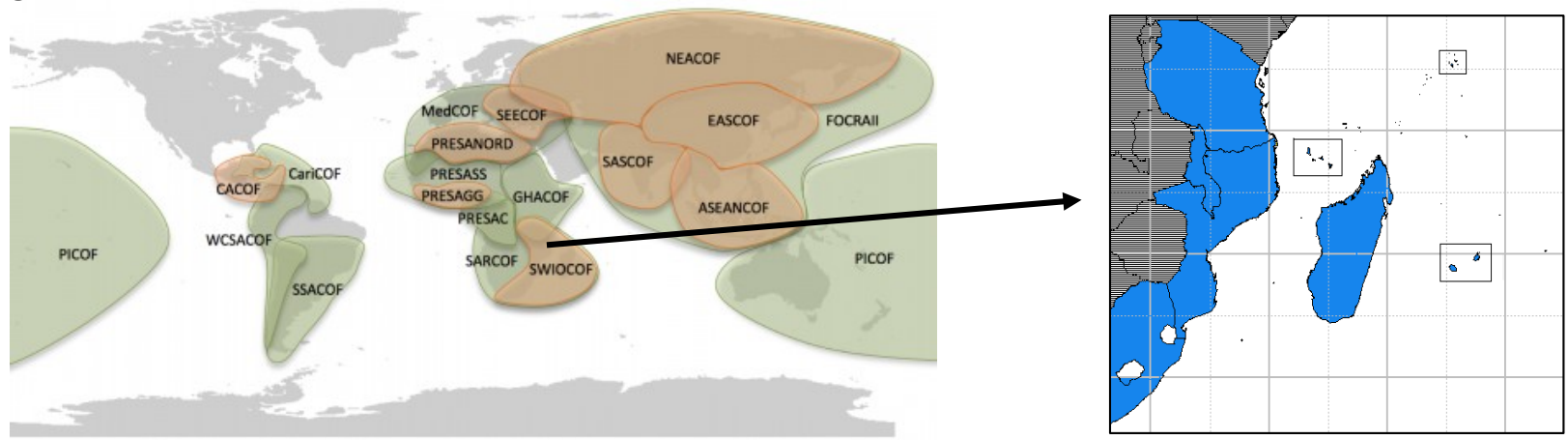
Regional Outlook Forum for South-West Indian Ocean countries

23 September 2021

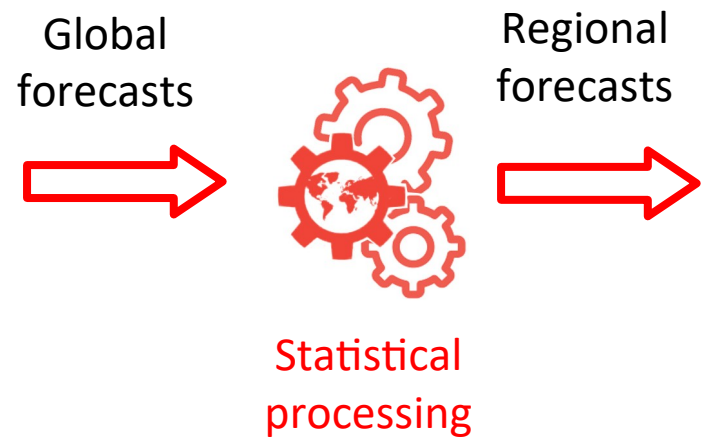
- WebConference -

Seasonal outlook : Context

Regional Climate Outlook Forum around the world

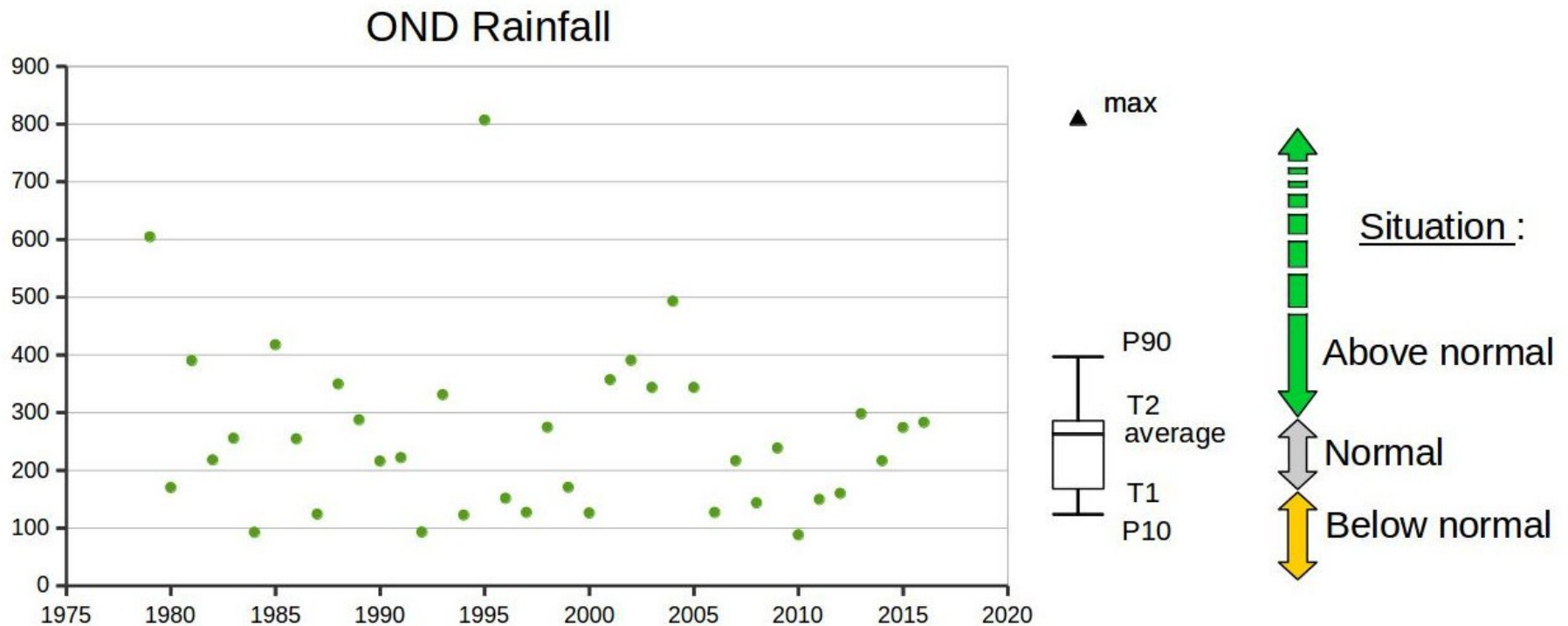


Global Producing Centers for Long Range Forecasts



Seasonal outlook : Context

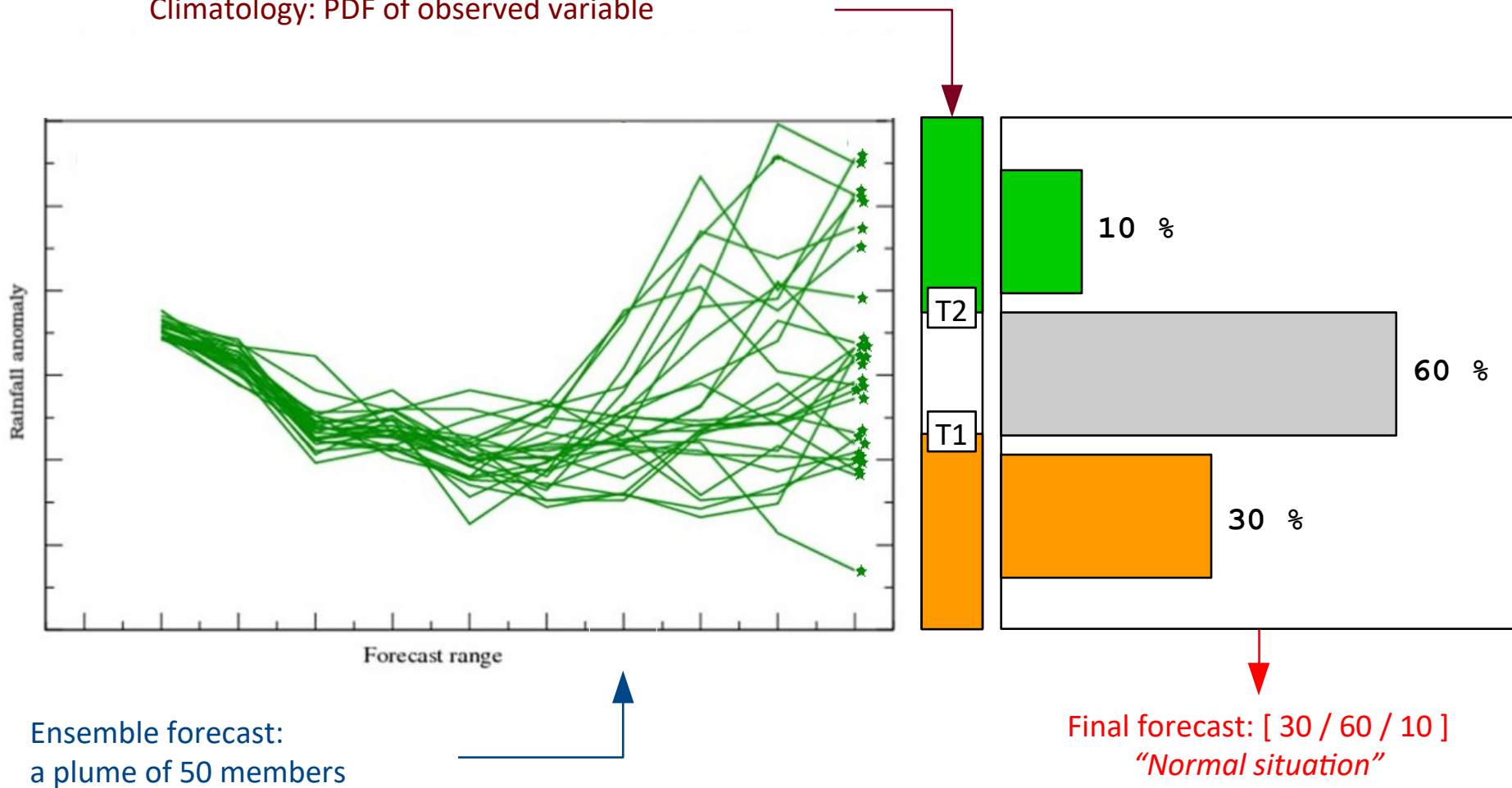
Seasonal forecasts are expressed in terms of anomalies of parameters : e.g. more or less rainfall than normal



Seasonal outlook : Context

Probabilistic forecast: which tercile is the most likely?

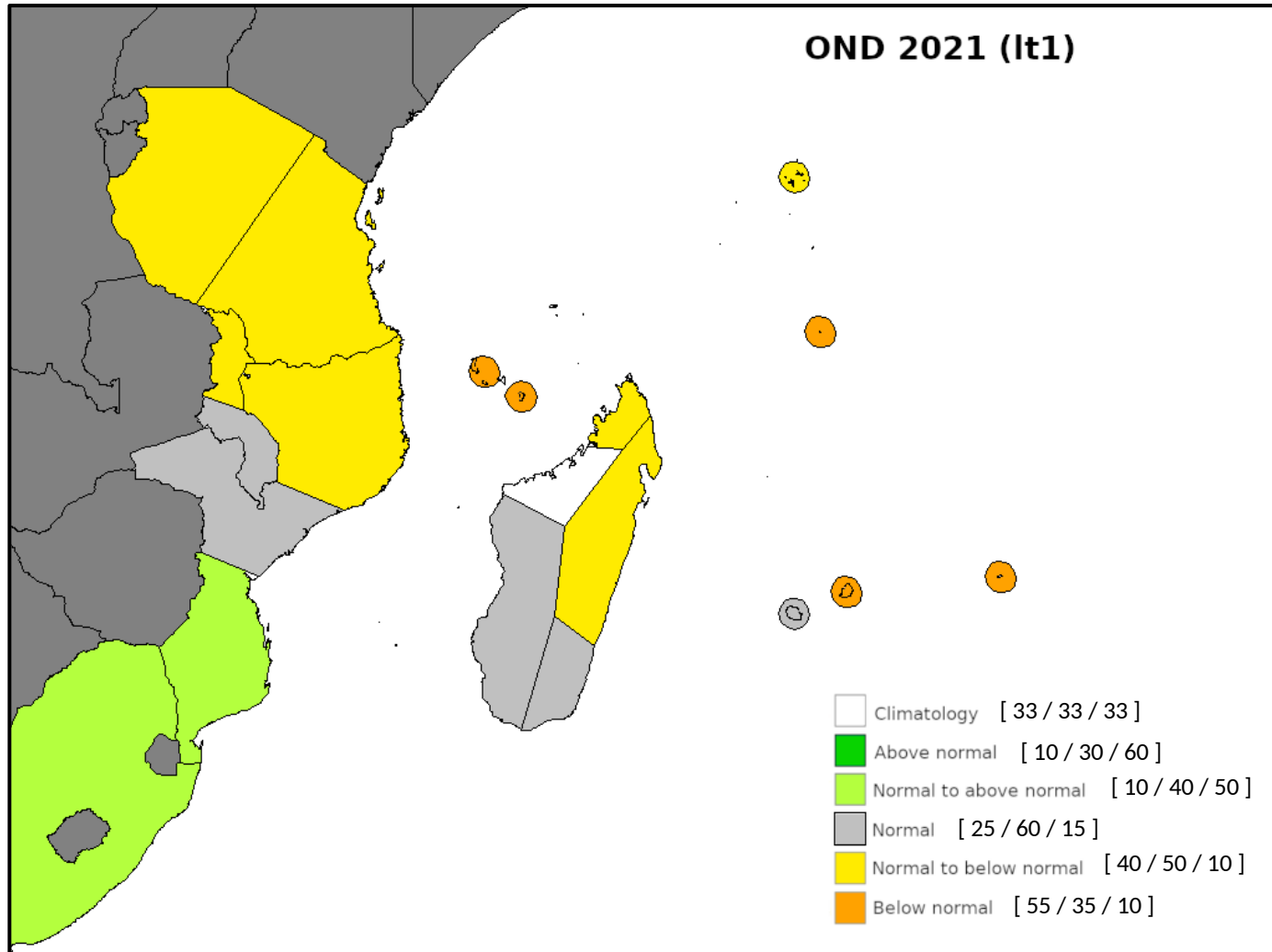
Climatology: PDF of observed variable



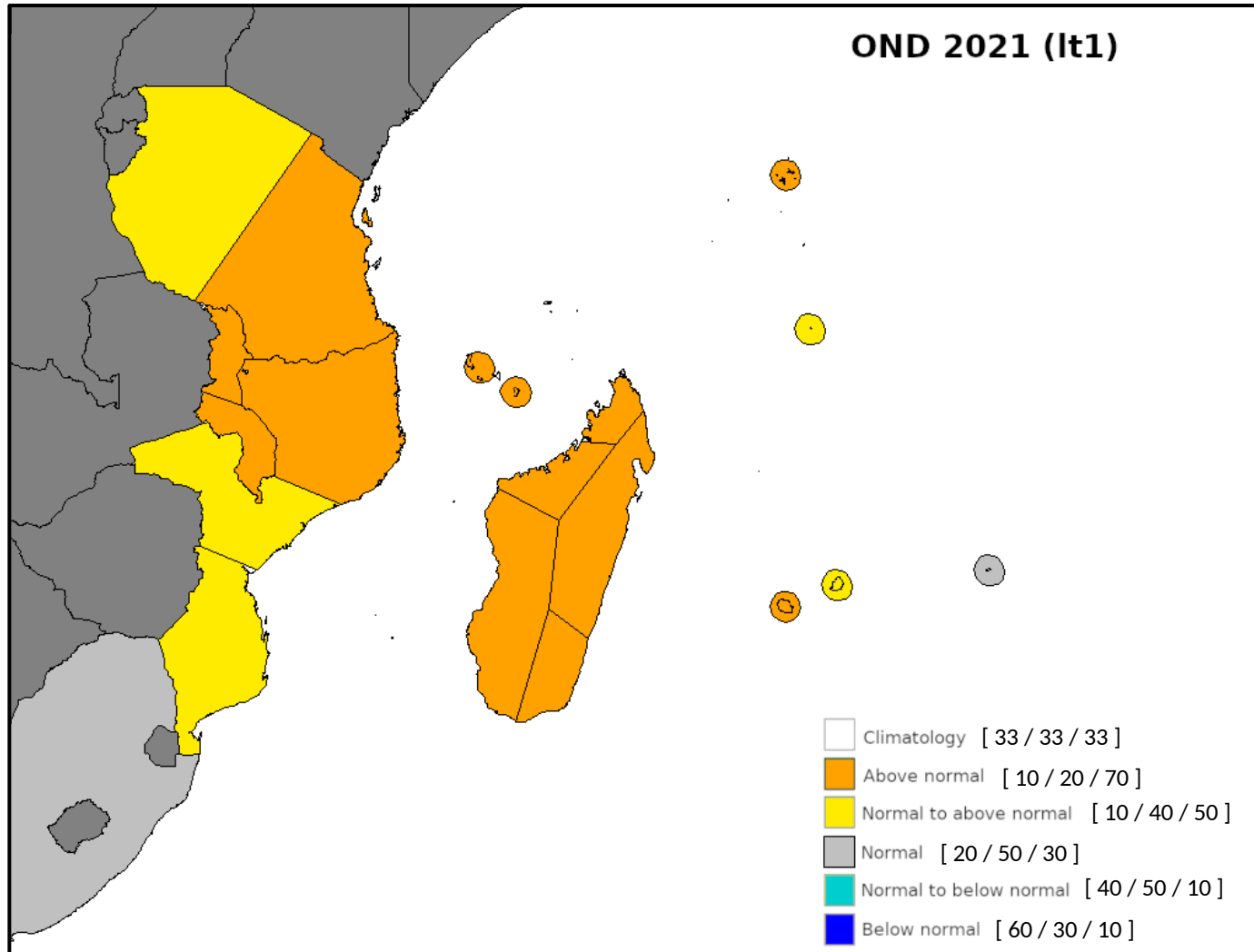
Ensemble forecast:
a plume of 50 members

Final forecast: [30 / 60 / 10]
"Normal situation"

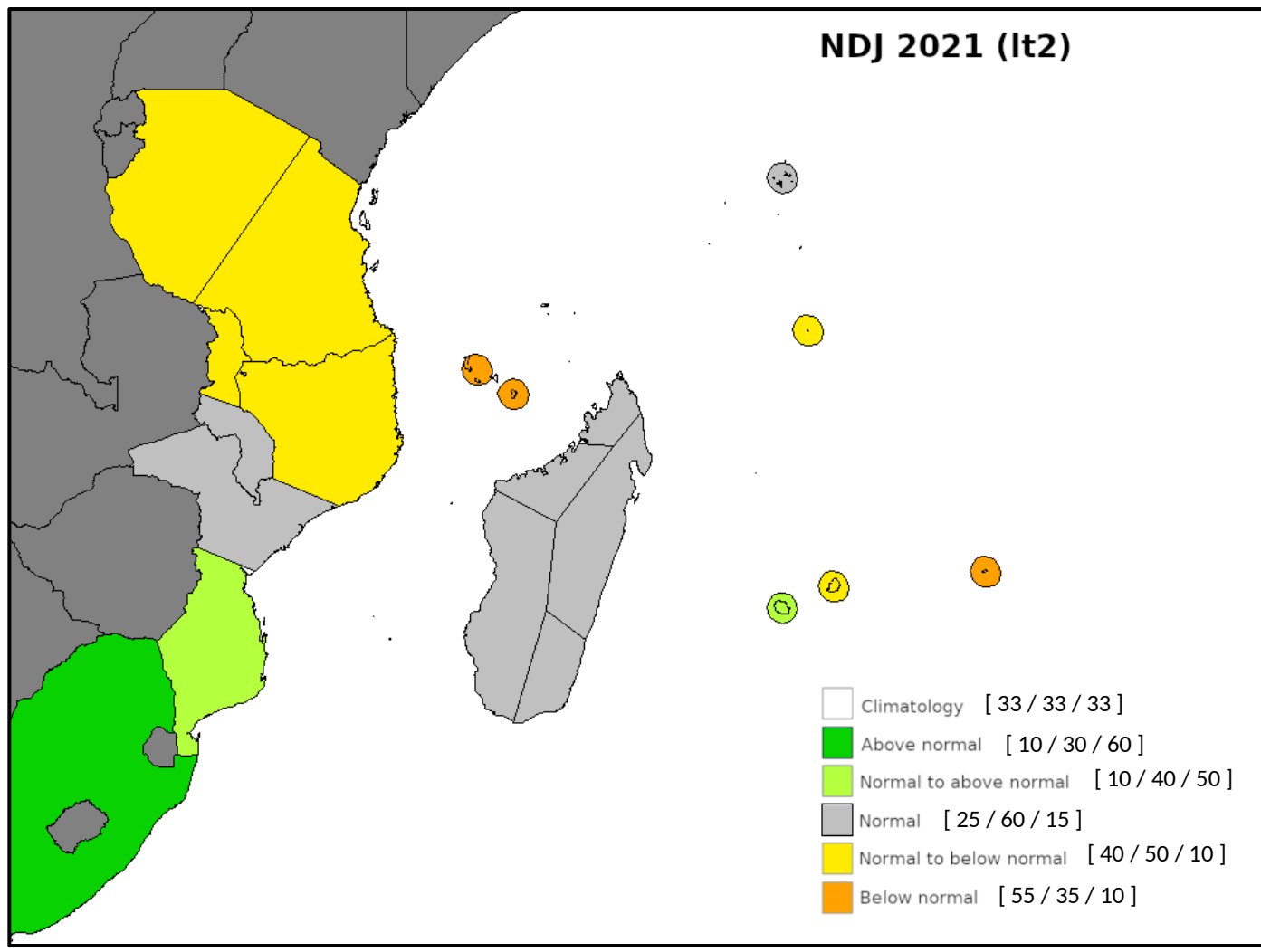
Seasonal outlook : Rainfall OND 2021



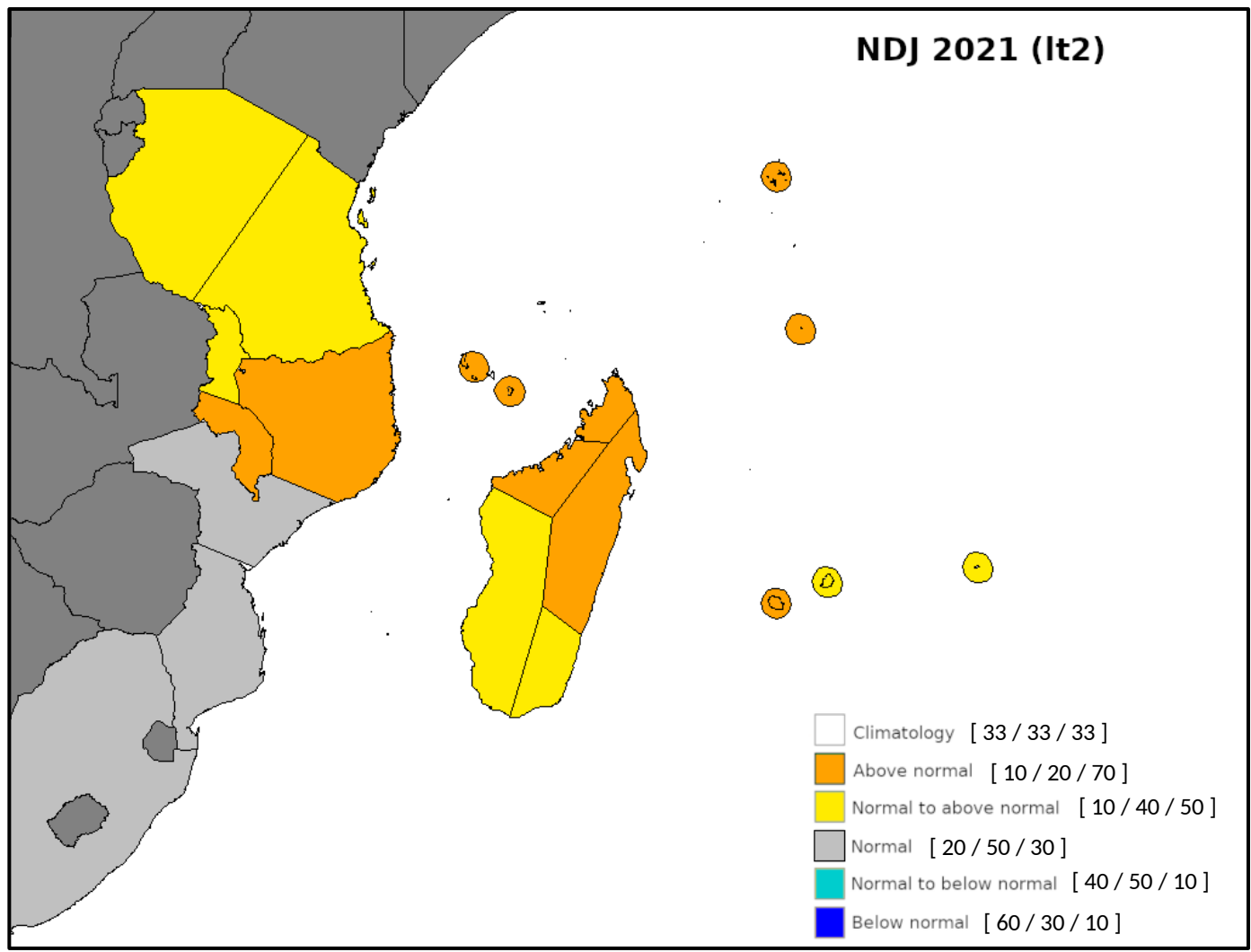
Seasonal outlook : Temperature OND 2021



Seasonal outlook : Rainfall NDJ 2021



Seasonal outlook : Temperature NDJ 2021

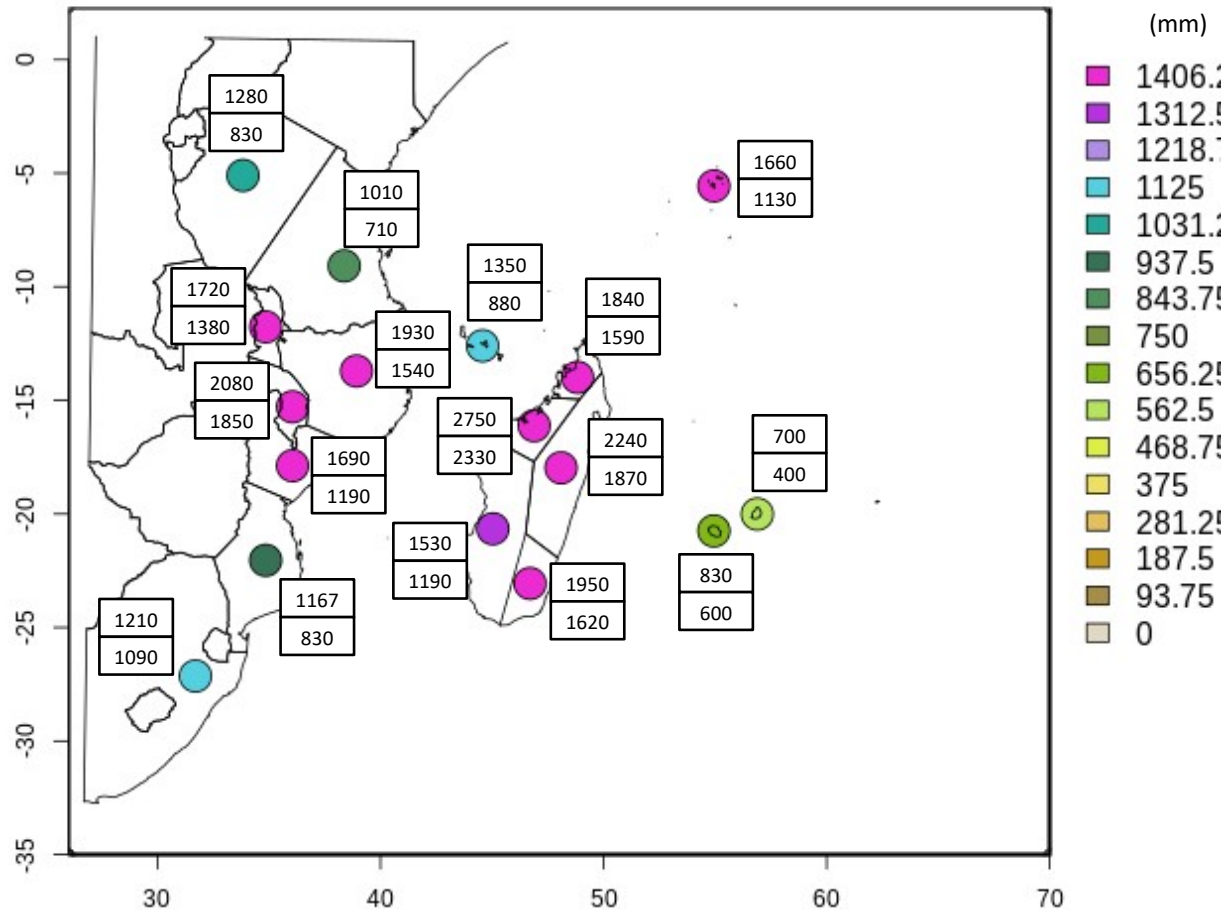


Thank you for your attention



Seasonal outlook : Rainfall normals NDJ

GPCP Avg.: NDJ

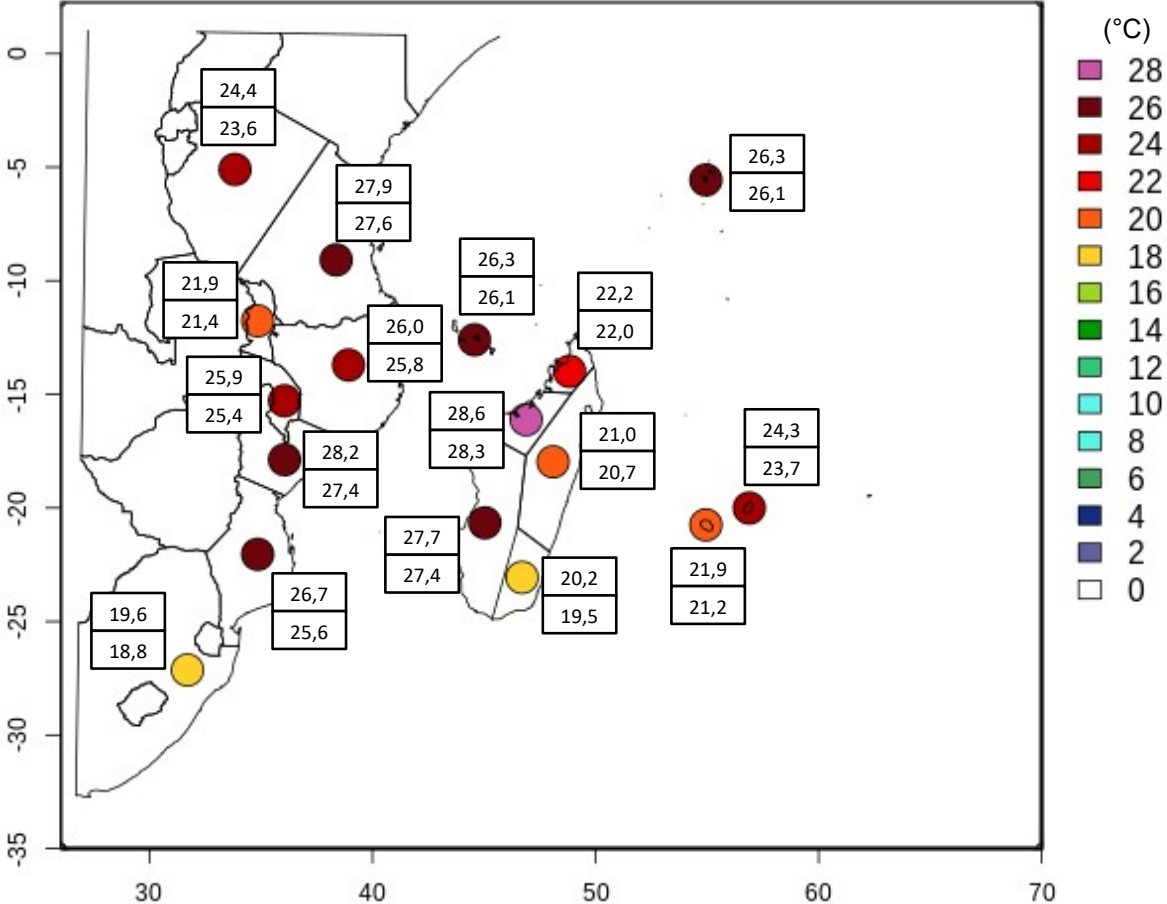


1993-2016

Terciles of the GPCP rainfall estimate distribution

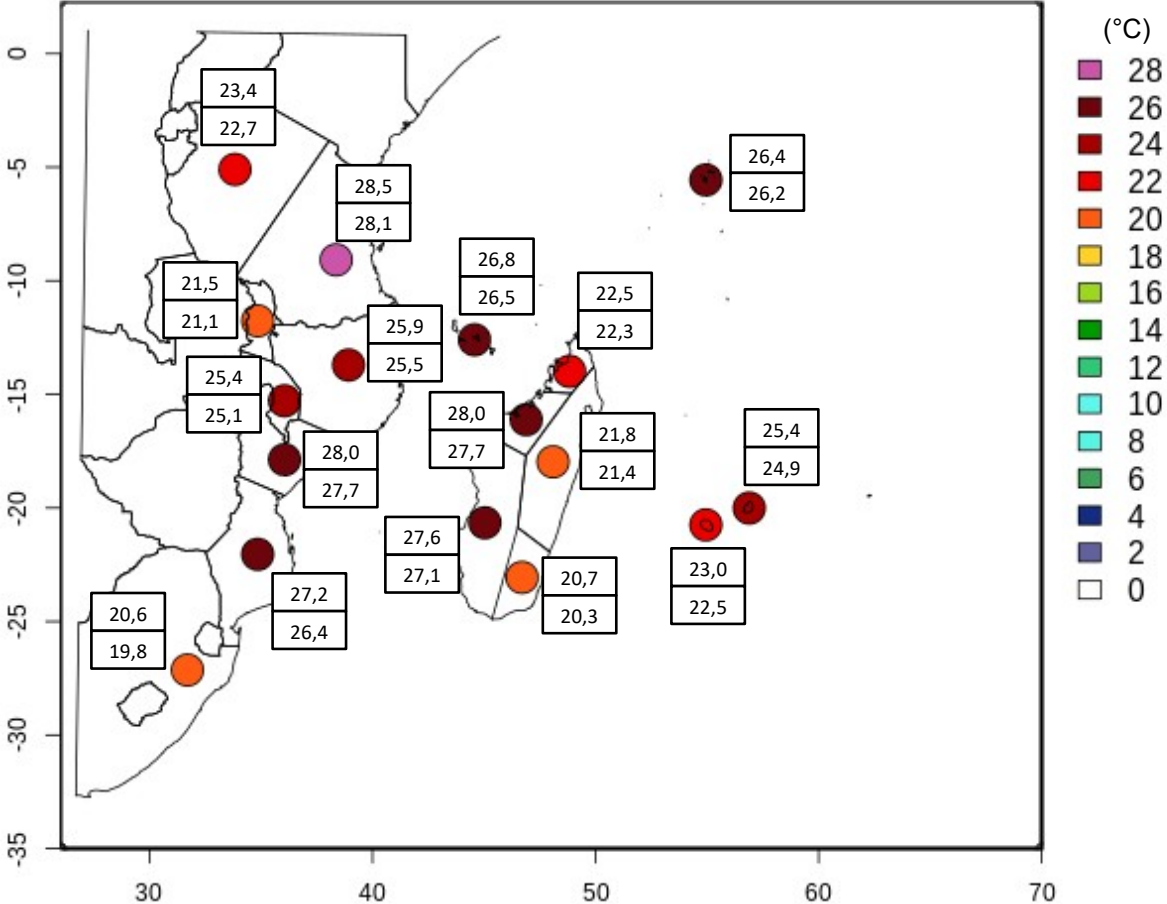
Seasonal outlook : Temperature normals OND

TM Avg.: OND



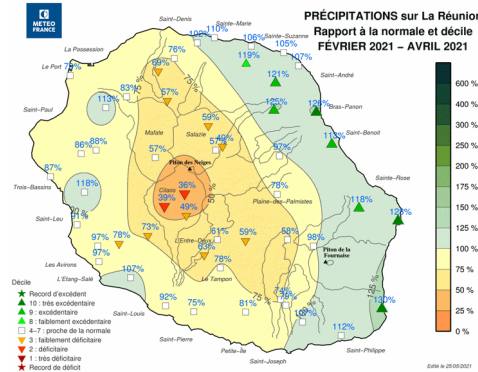
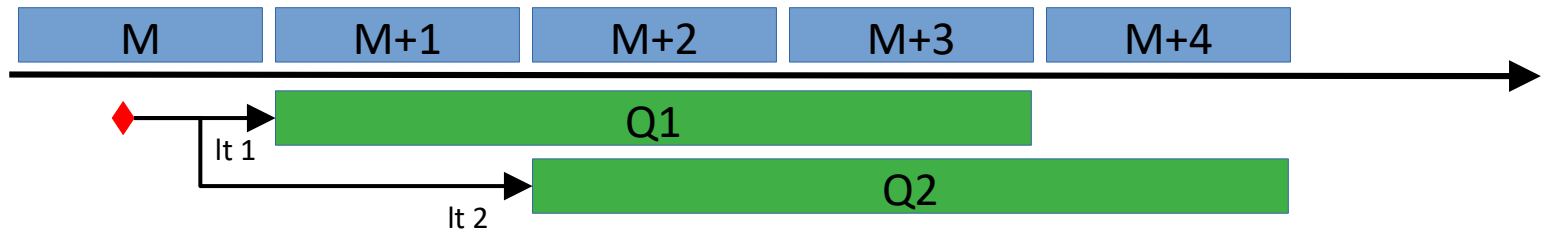
Seasonal outlook : Temperature normals NDJ

TM Avg.: NDJ

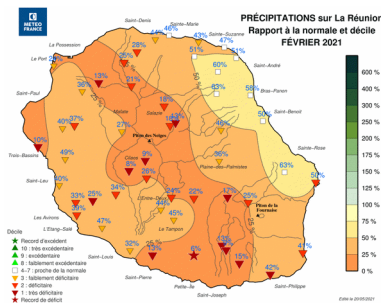


Seasonal outlook : Quarterly values

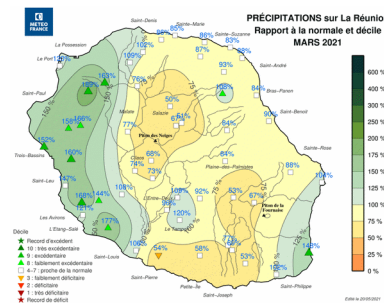
Seasonal forecast : a monthly routine



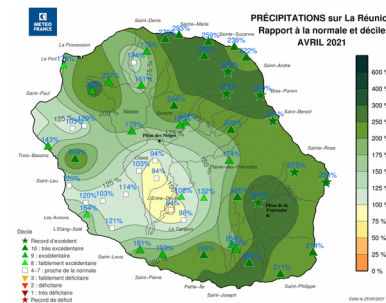
FMA 2021 (observed rainfall anomalies)
[90 % normal]



Feb 2021
[31 % normal]



Mar 2021
[87 % normal]



Apr 2021
[224 % normal]