



AGENCE NATIONALE DE LA METEOROLOGIE (ANAMET)

PREVISIONS PRESAGG 2024

Présentée par:

Dr DARE Gamba Nana

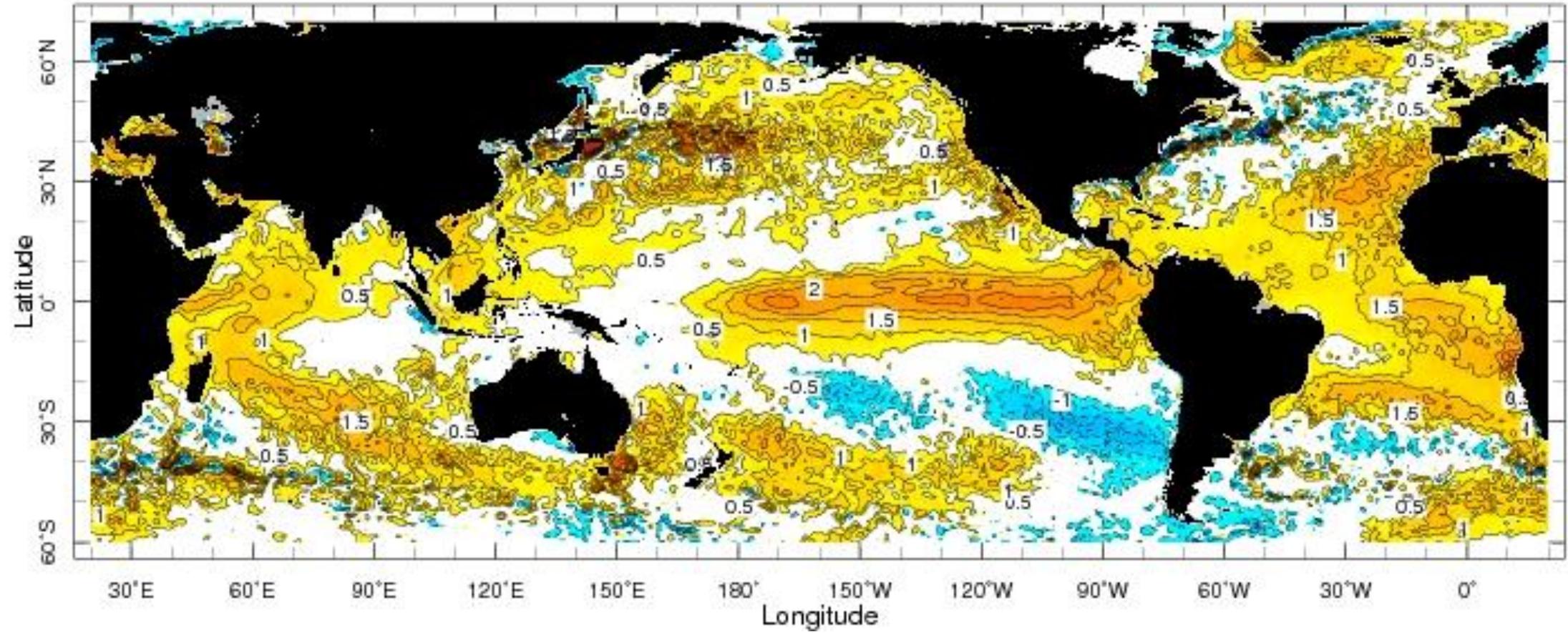
Accra (GHANA)

PLAN

- Evolution des SST des années analogues
- Situation des prévisions des grands centres
- Sorties de CPT et PyCPT MAM & AMJ 2024
- Prévisions MAM & AMJ 2024

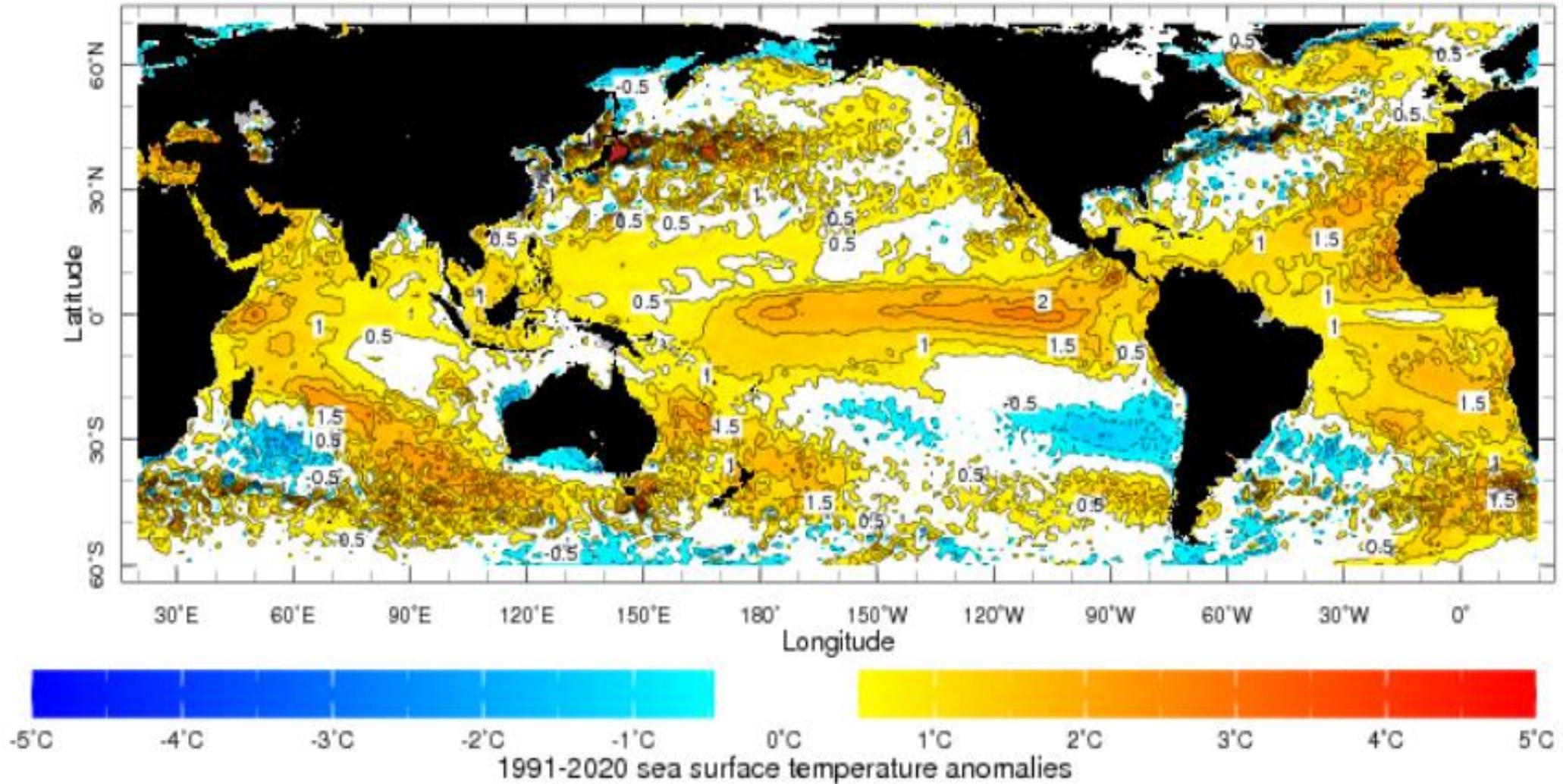
Evolution of SST

zlev 0.0 meters Time Dec 2023



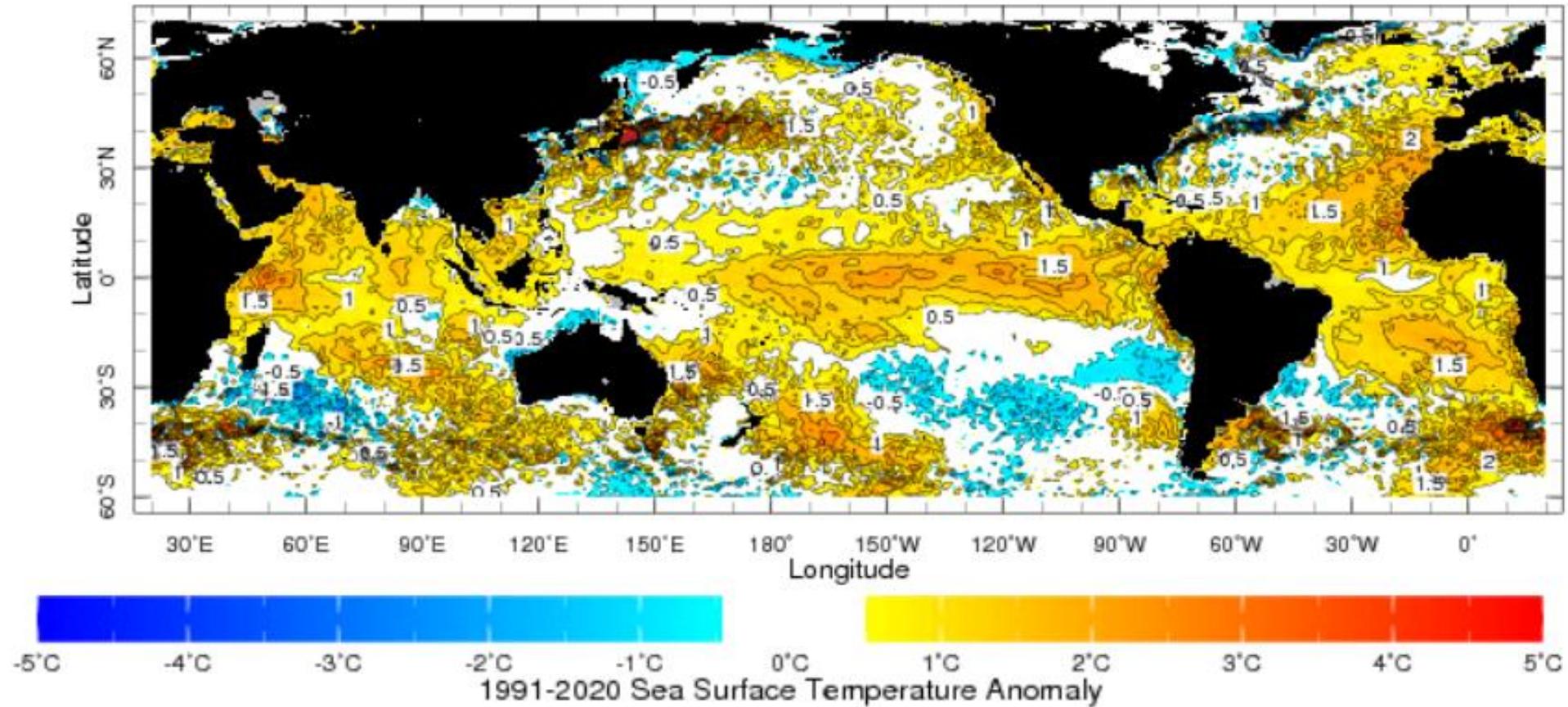
Evolution of SST

zlev 0.0 meters Time Jan 2024



Evolution of SST

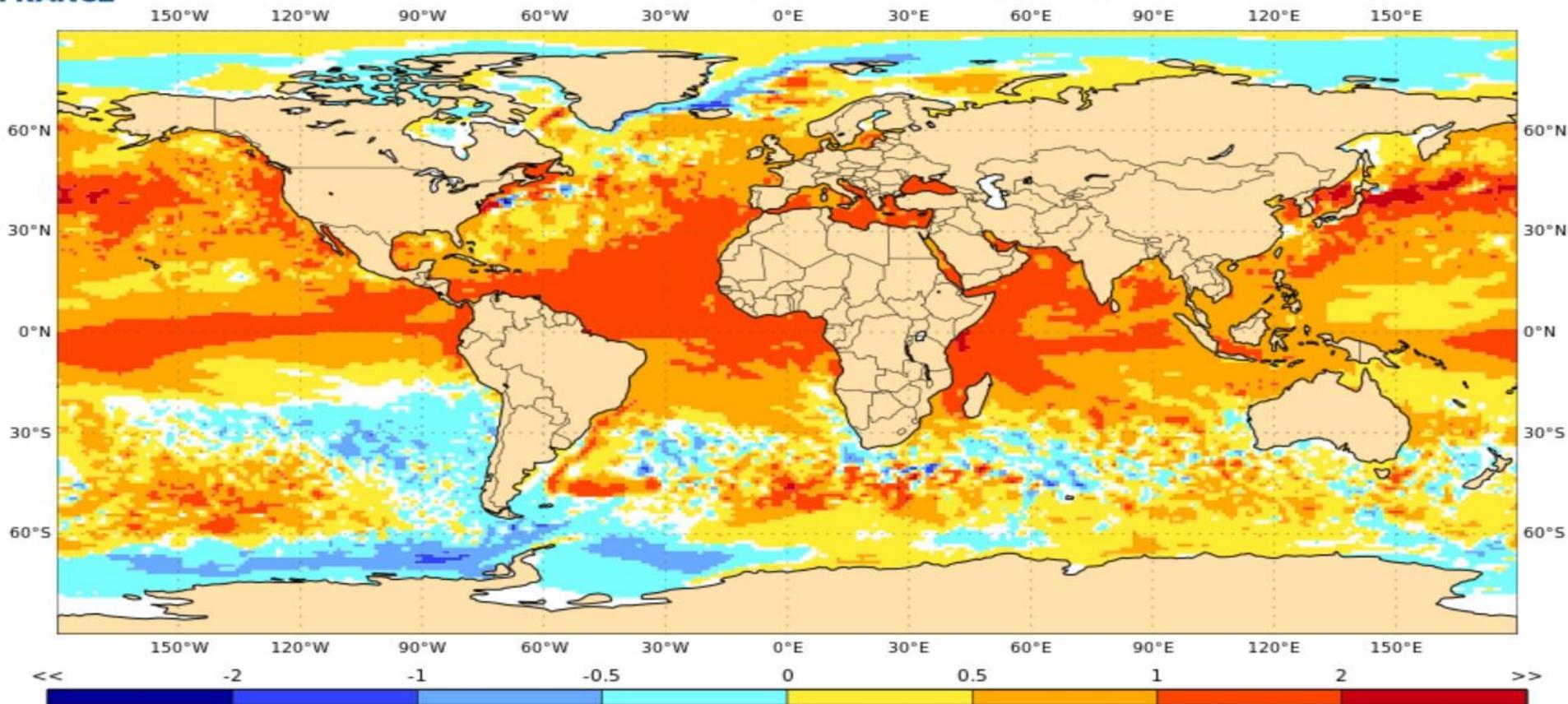
zlev 0.0 meters Time 30 Jan 2024 - 5 Feb 2024



PREVISION METEO FRANCE 2024



Meteo-France system 8 - Forecast
For MAM 2024 (issued February 2024)



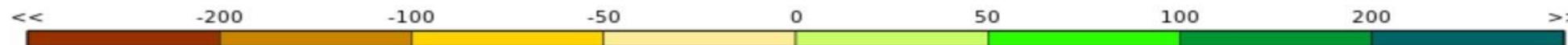
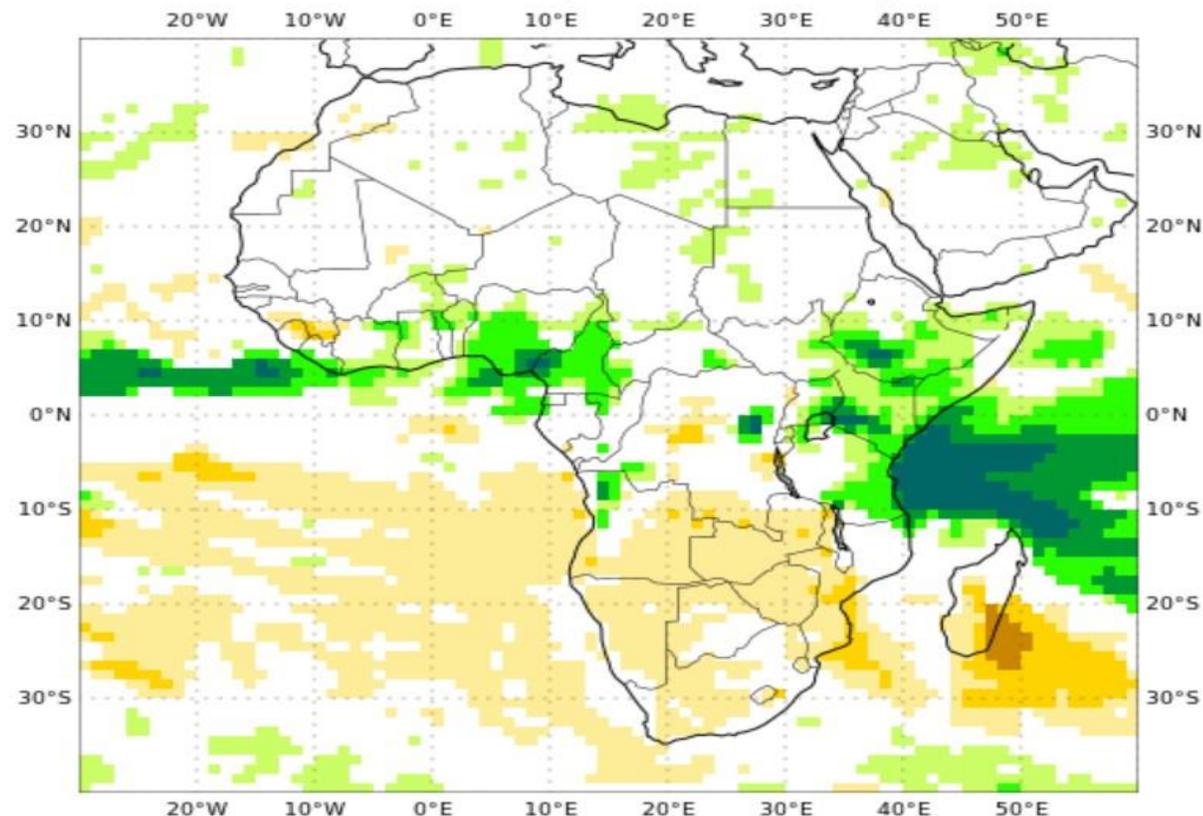
sea surface temperature
3-months ensemble mean anomaly

unit : °C (white = no signal)

PREVISION METEO FRANCE 2024



Meteo-France system 8 - Forecast
For MAM 2024 (issued February 2024)



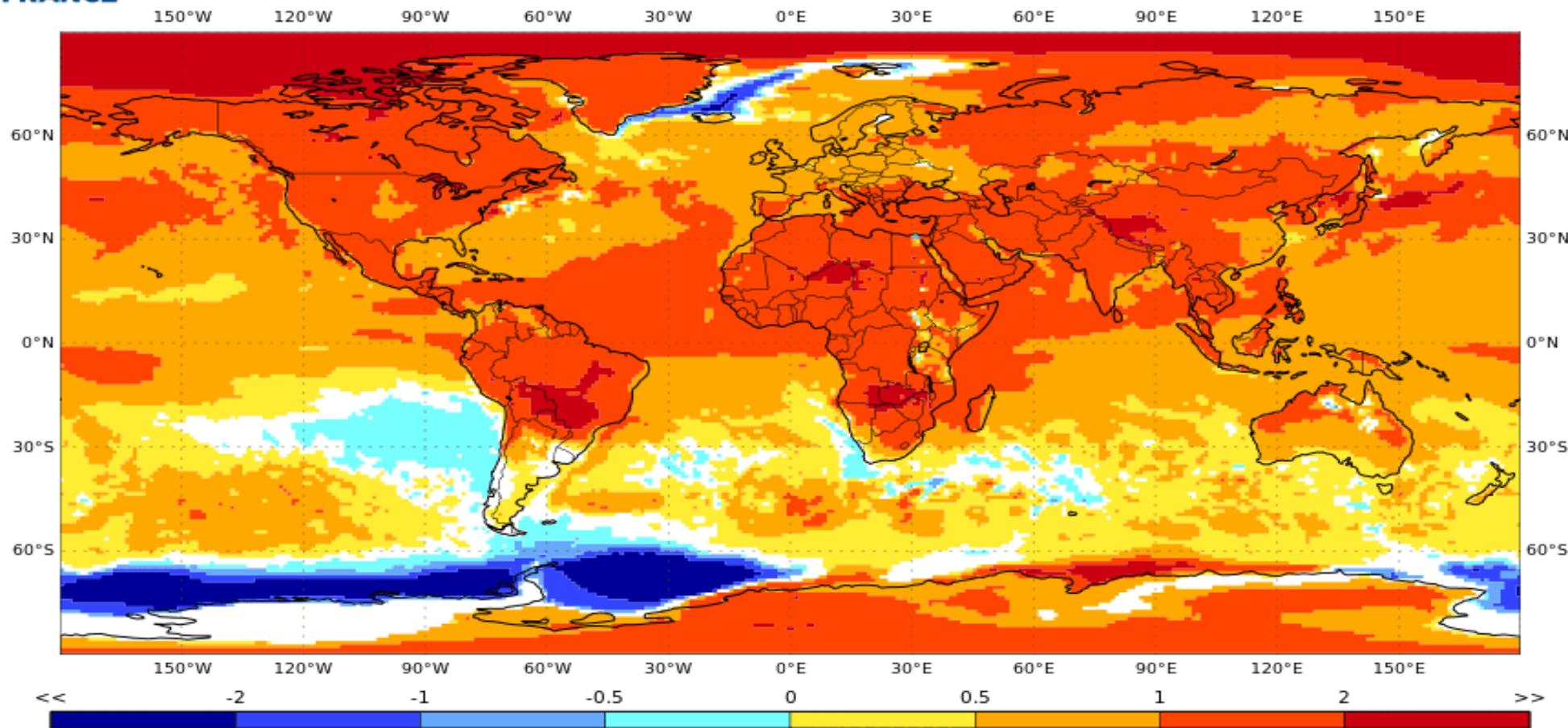
precipitations
3-months ensemble mean anomaly

unit : mm (white = no signal)

PREVISION METEO FRANCE 2024



Meteo-France system 8 - Forecast
For AMJ 2024 (issued February 2024)



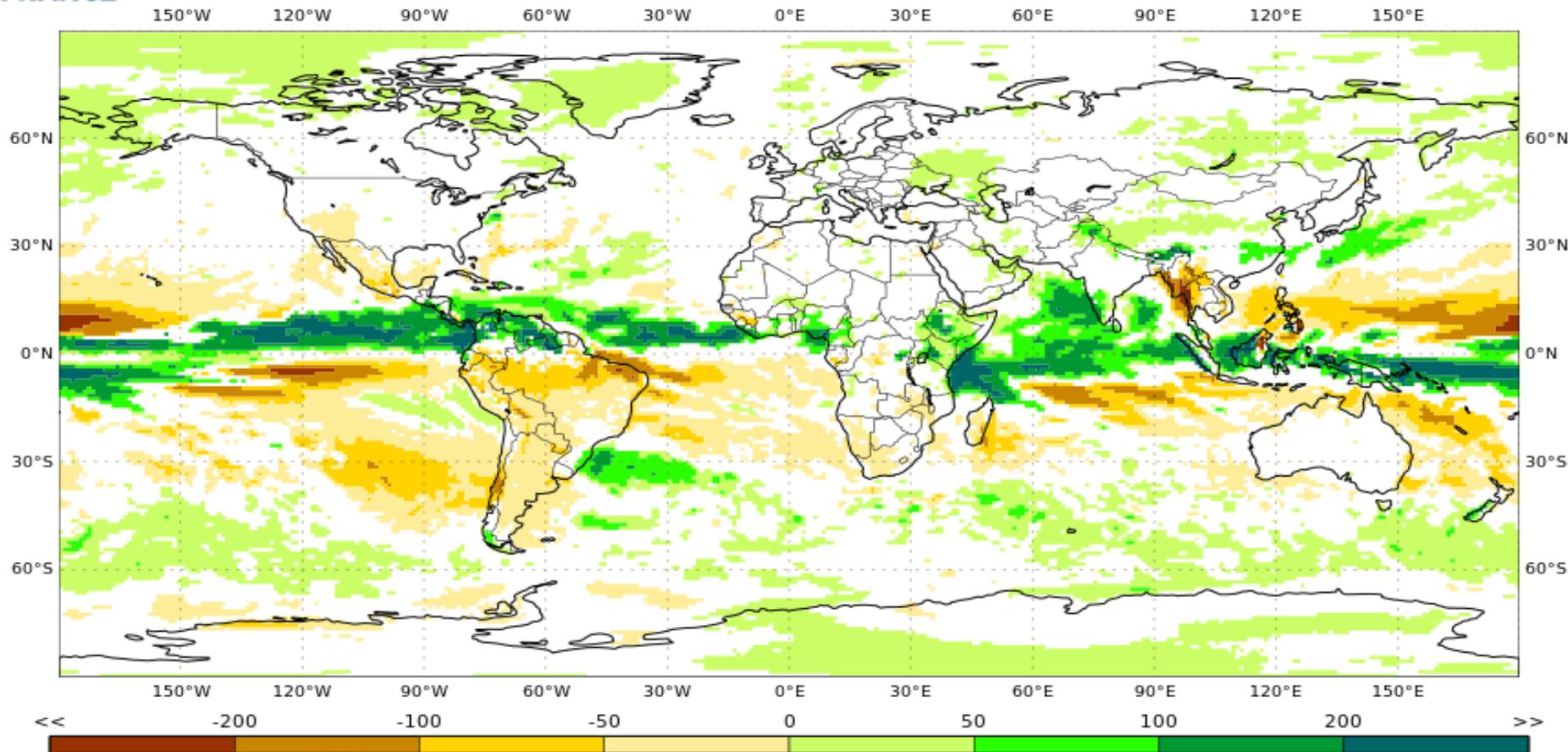
2m temperature
3-months ensemble mean anomaly

unit : °C (white = no signal)

PREVISION METEO FRANCE 2024



Meteo-France system 8 - Forecast
For AMJ 2024 (issued February 2024)

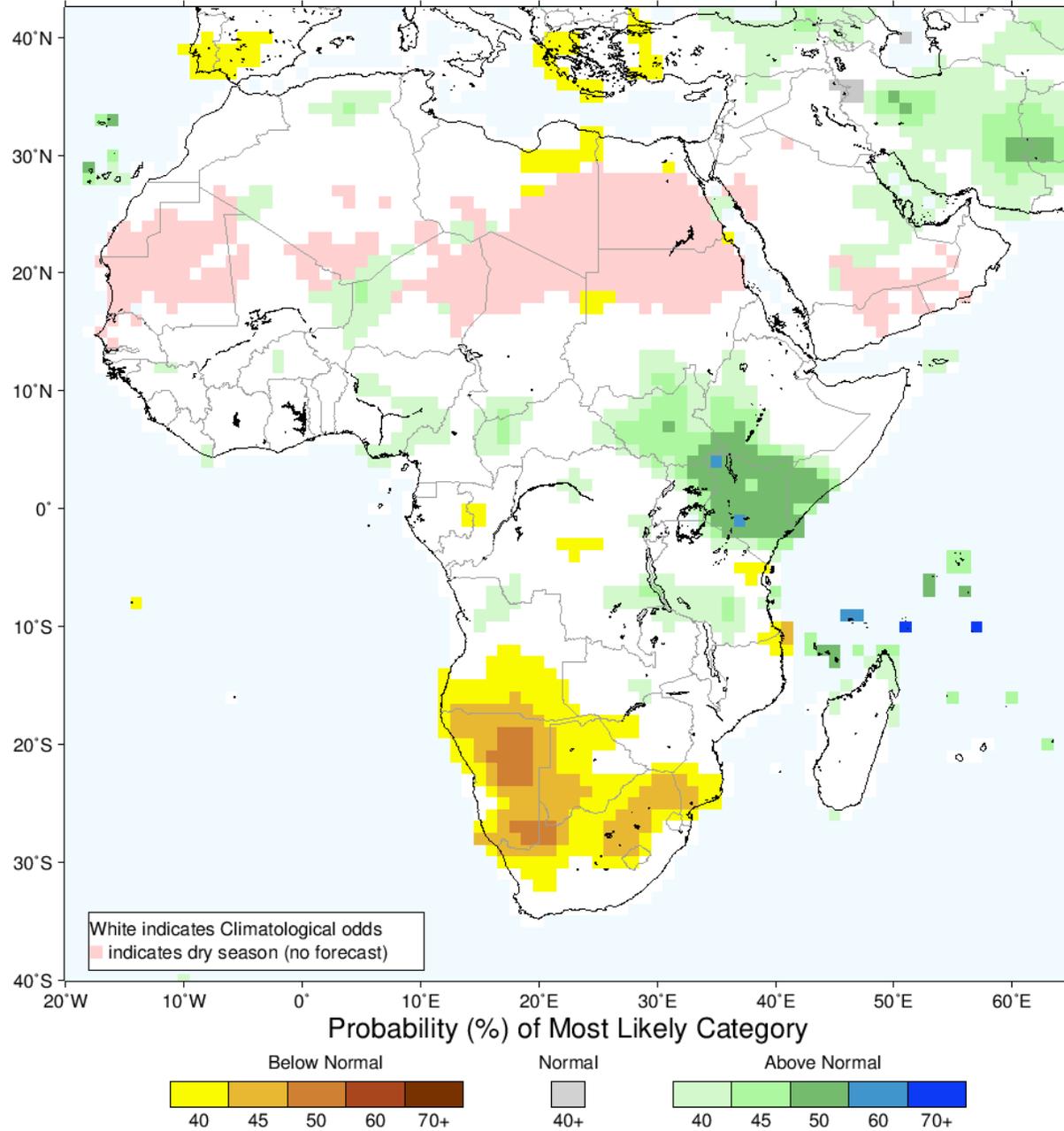


precipitations
3-months ensemble mean anomaly

unit : mm (white = no signal)

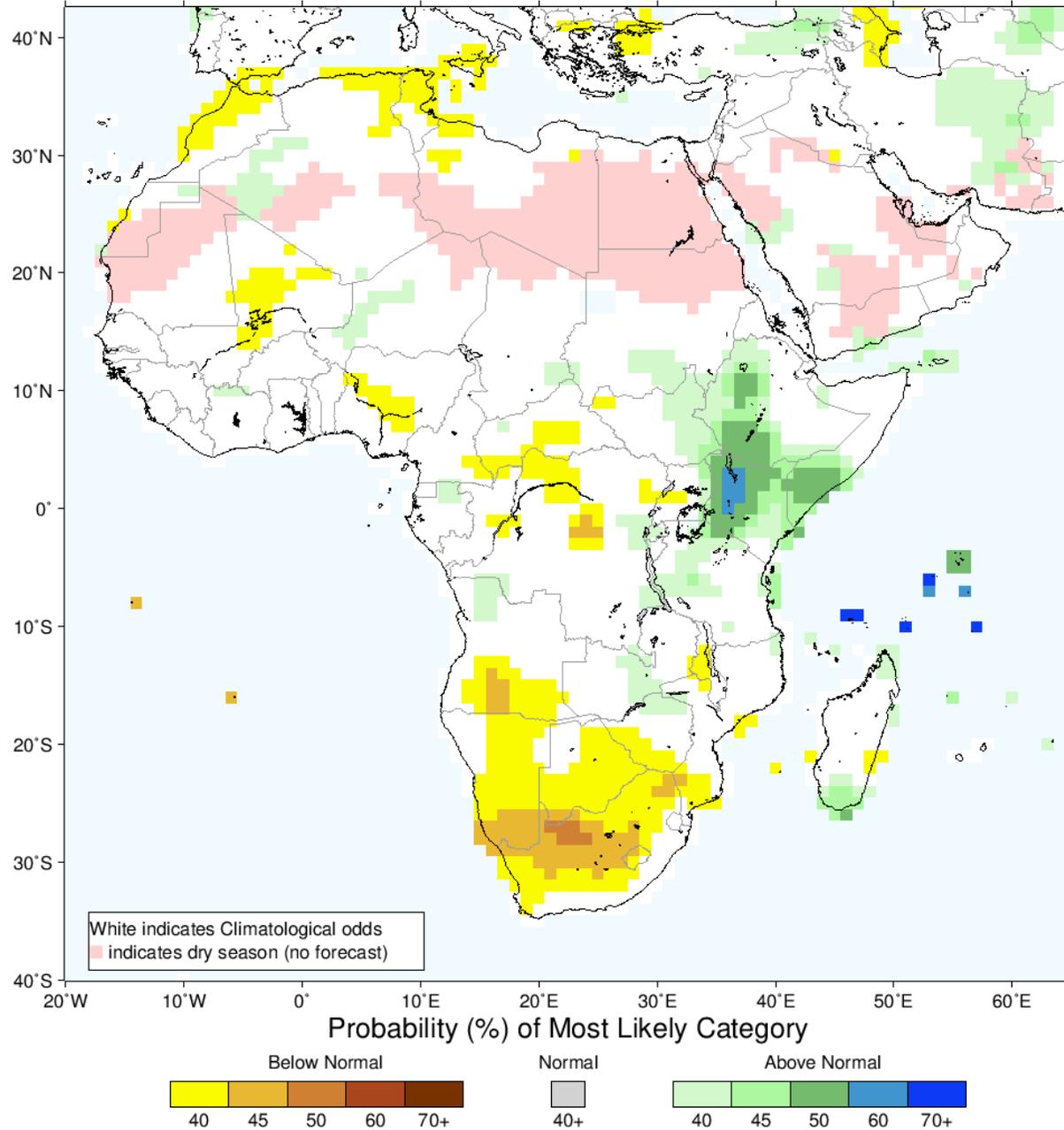
IRI Multi-Model Probability Forecast for Precipitation for
March–April–May 2024, Issued February 2024

PREVISION
IRI Multi
Model
2024



IRI Multi-Model Probability Forecast for Precipitation for
April-May-June 2024, Issued February 2024

PREVISION
IRI Multi
Model
2024

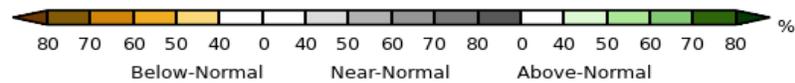
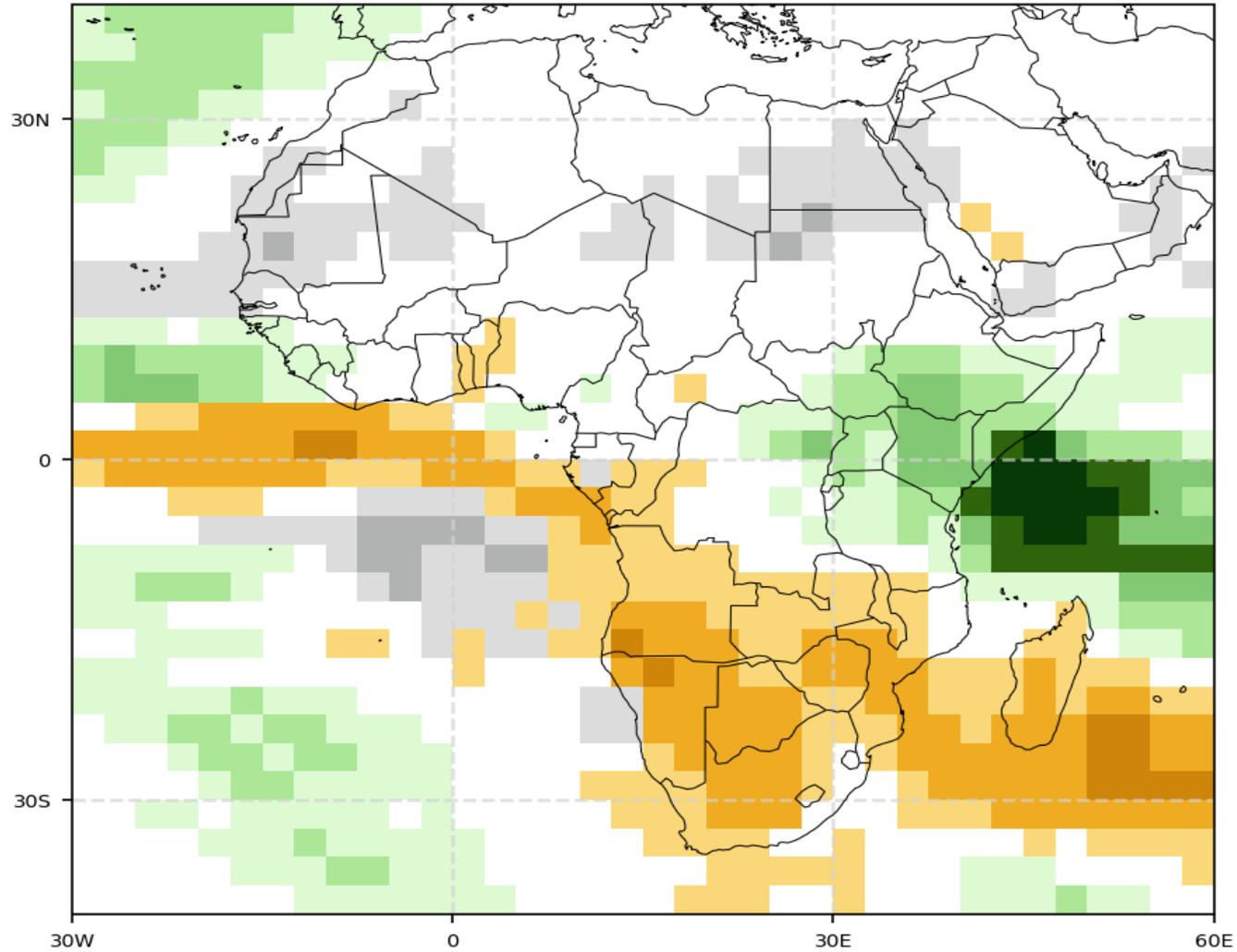


Probabilistic Multi-Model Ensemble Forecast

Beijing, CMCC, CPTEC, ECMWF, Exeter, Melbourne, Montreal, Moscow, Offenbach, Seoul, Tokyo, Toulouse, Washington

Precipitation : MAM2024

(issued on Feb2024)

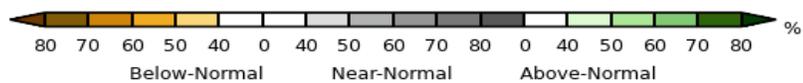
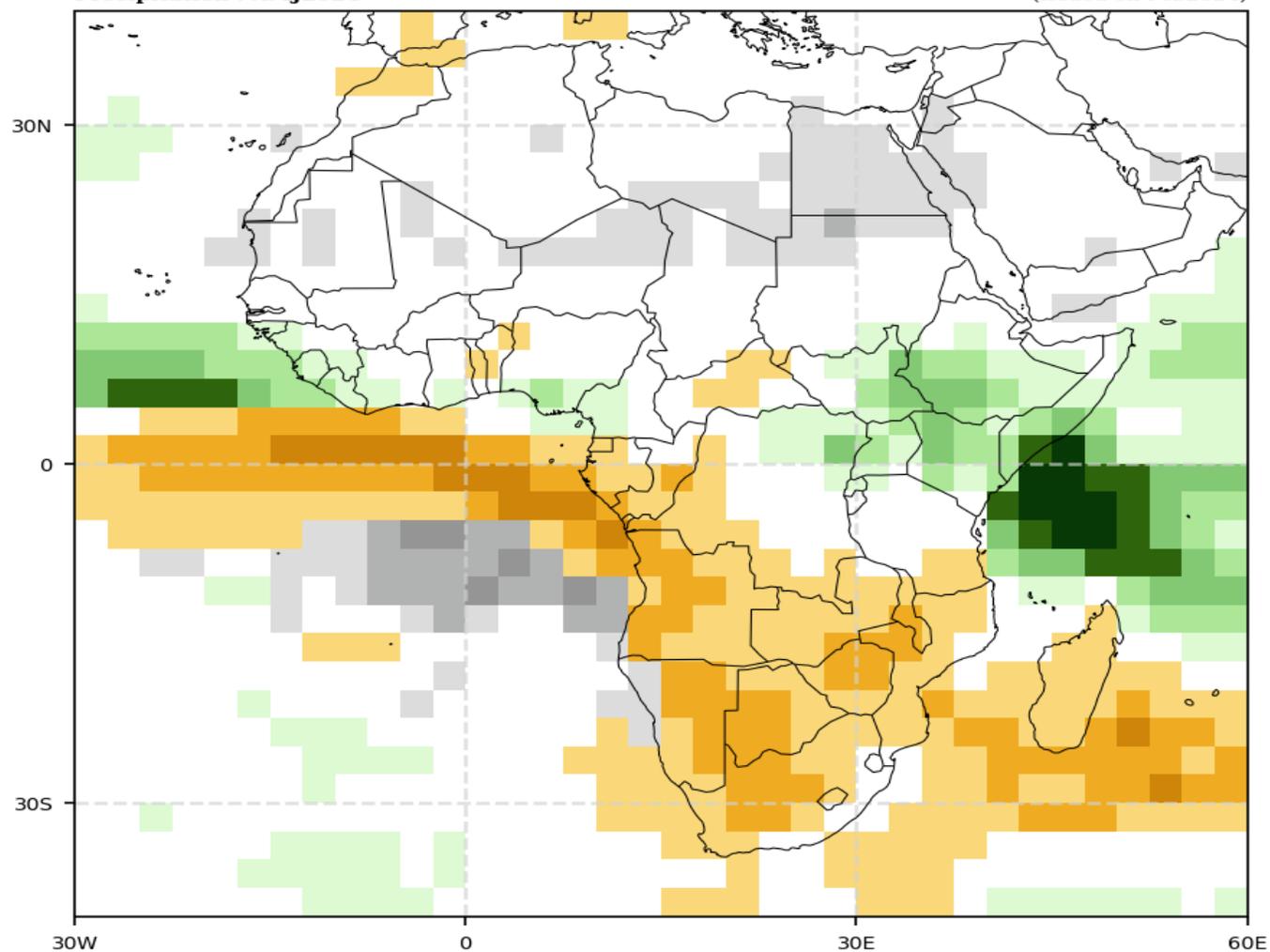


Probabilistic Multi-Model Ensemble Forecast

Beijing,CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Offenbach,Seoul,Tokyo,Toulouse,Washington

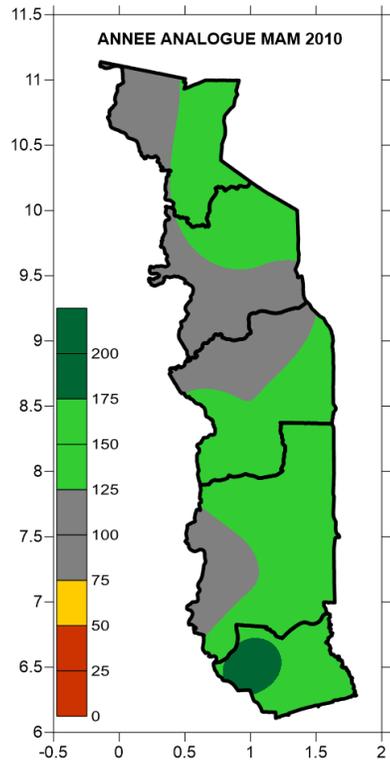
Precipitation : AMJ2024

(issued on Feb2024)

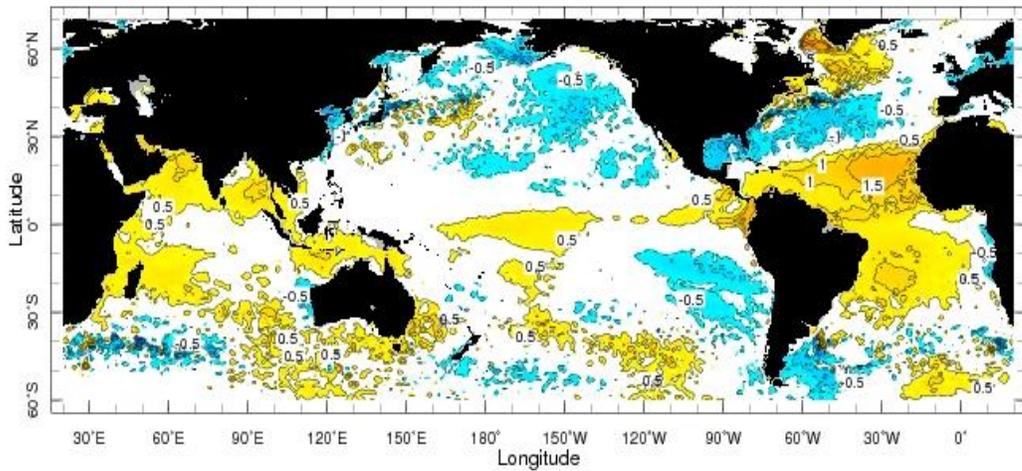


EVOLUTION OF SST FOR ANALOG YEARS

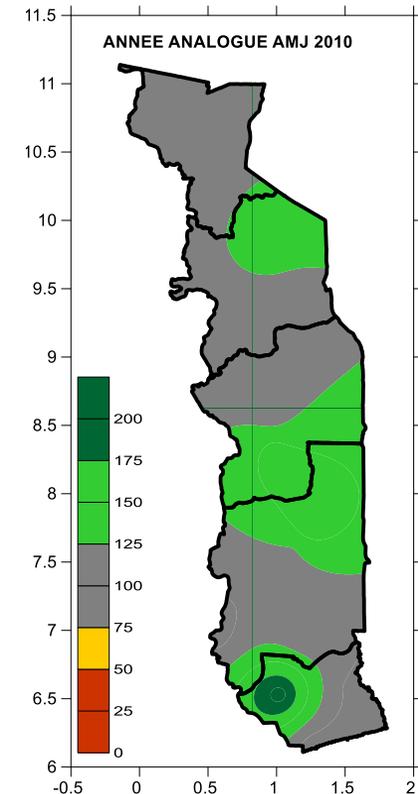
MAM 2010



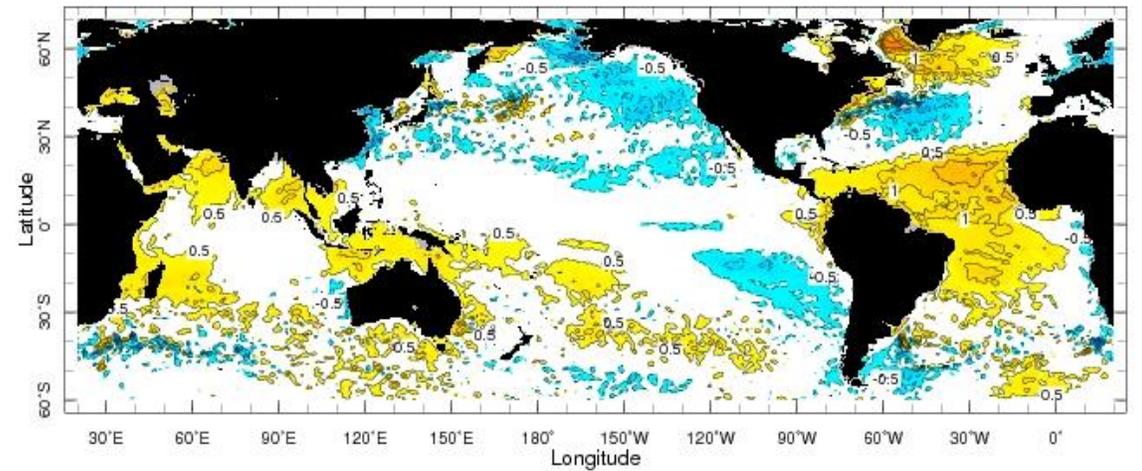
zlev 0.0 meters Time Mar-May 2010



AMJ 2010

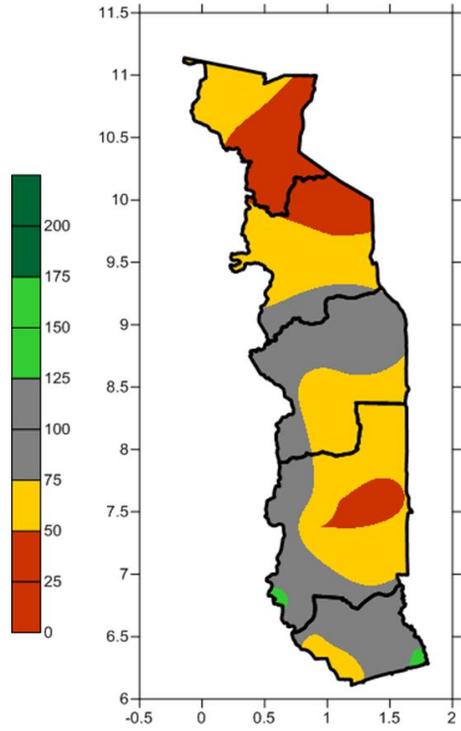


zlev 0.0 meters Time Apr-Jun 2010



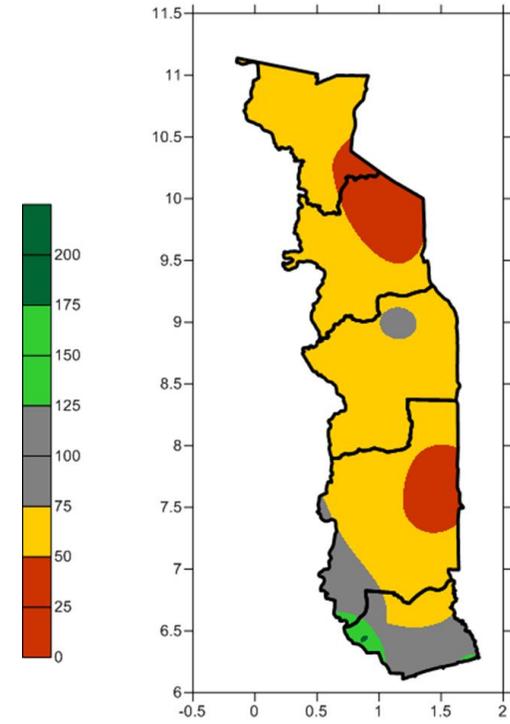
MAM 2015

ANNEE LA PLUS SECHE MAM 2015



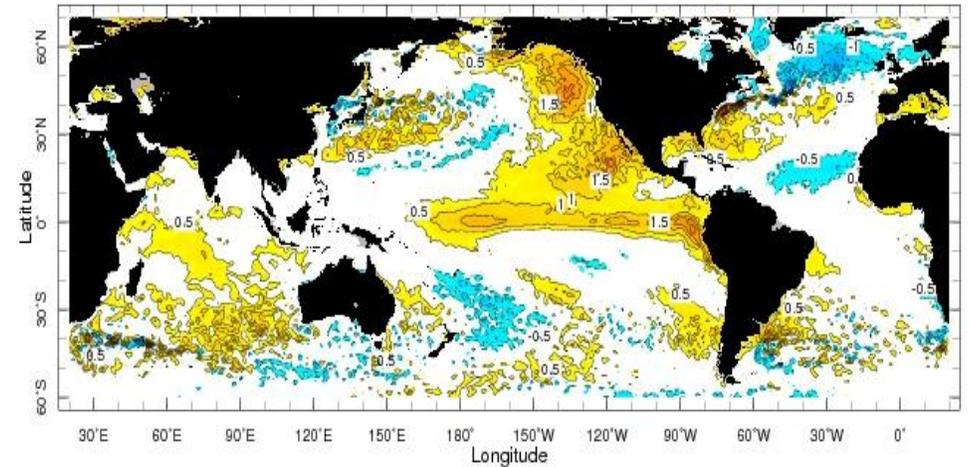
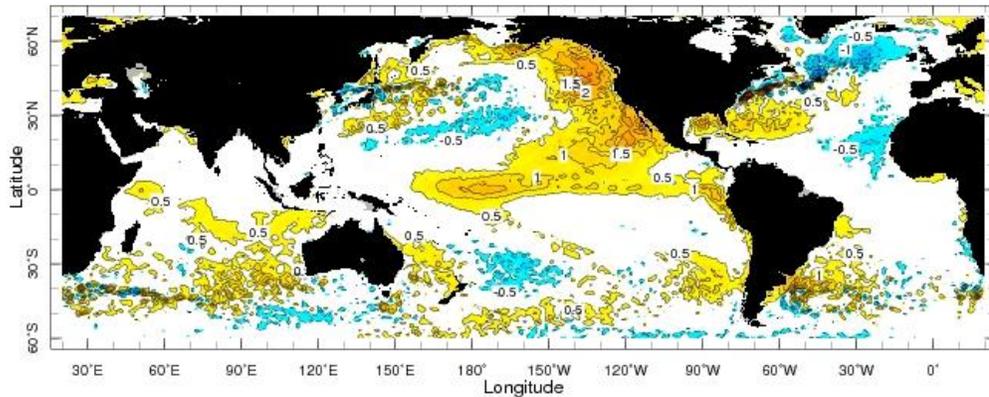
AMJ 2015

ANNEE LA PLUS SECHE AMJ 2015



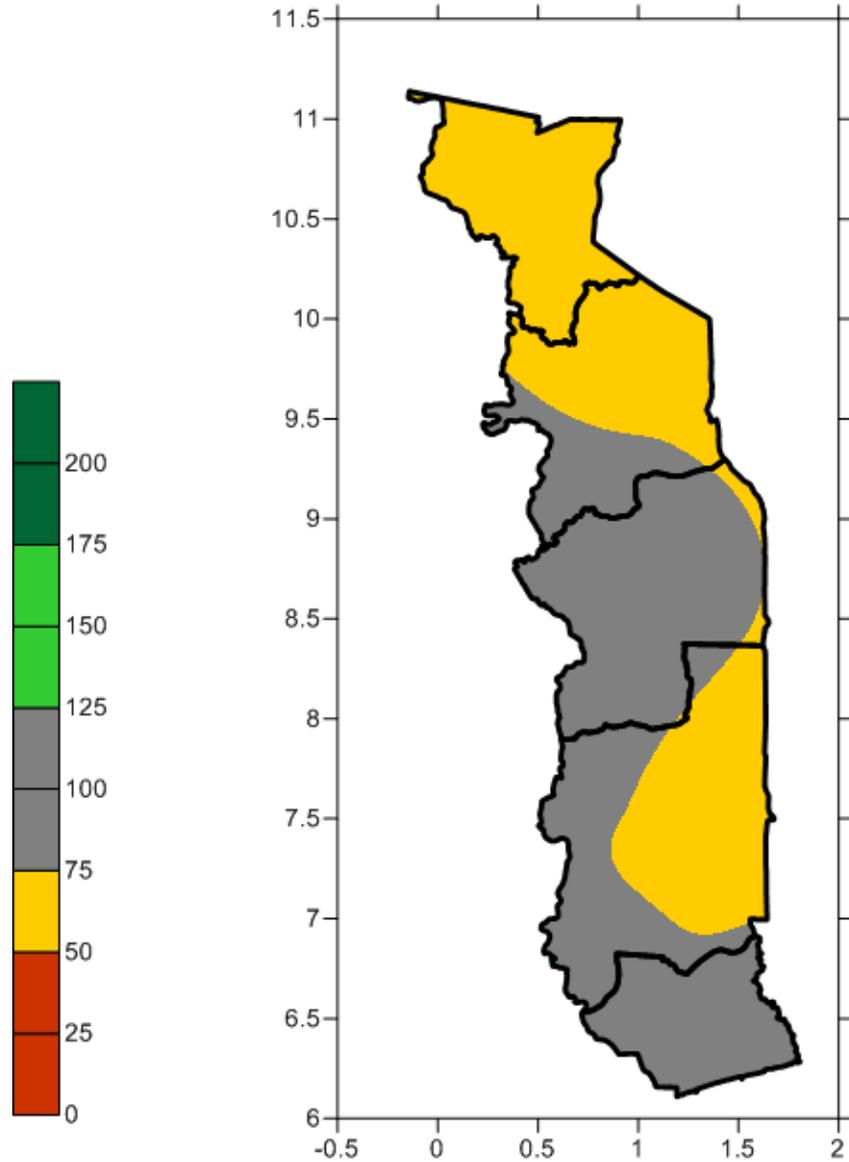
zlev 0.0 meters Time Apr-Jun 2015

zlev 0.0 meters Time Mar-May 2015

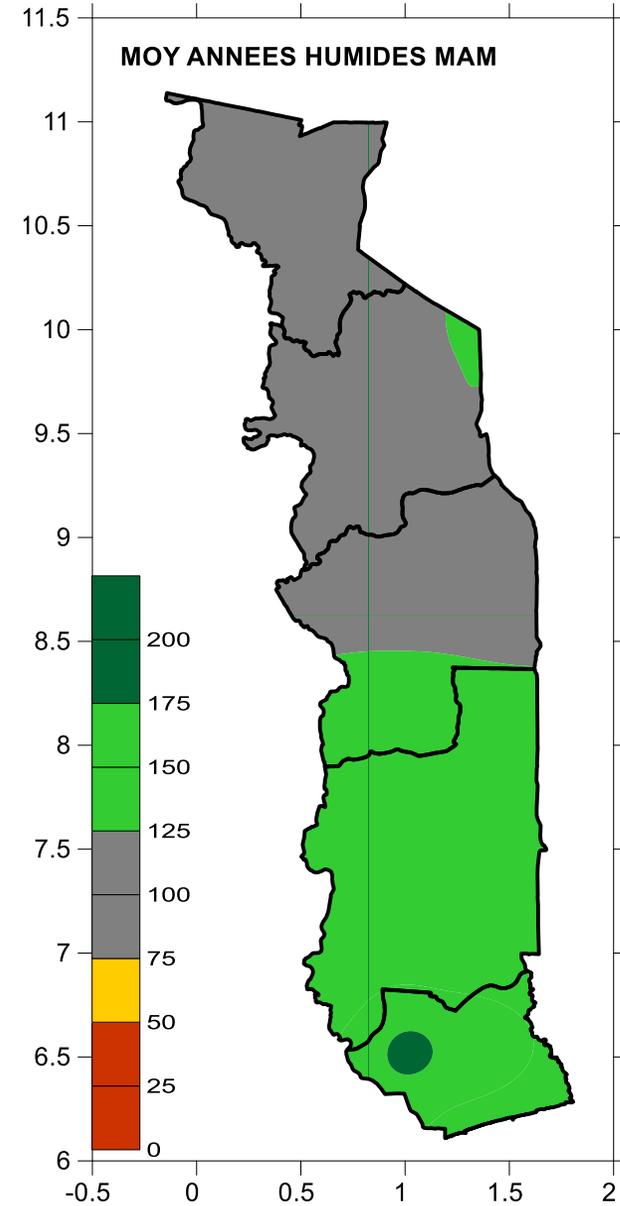


LES ANNEES SECHES ET HUMIDES MAM

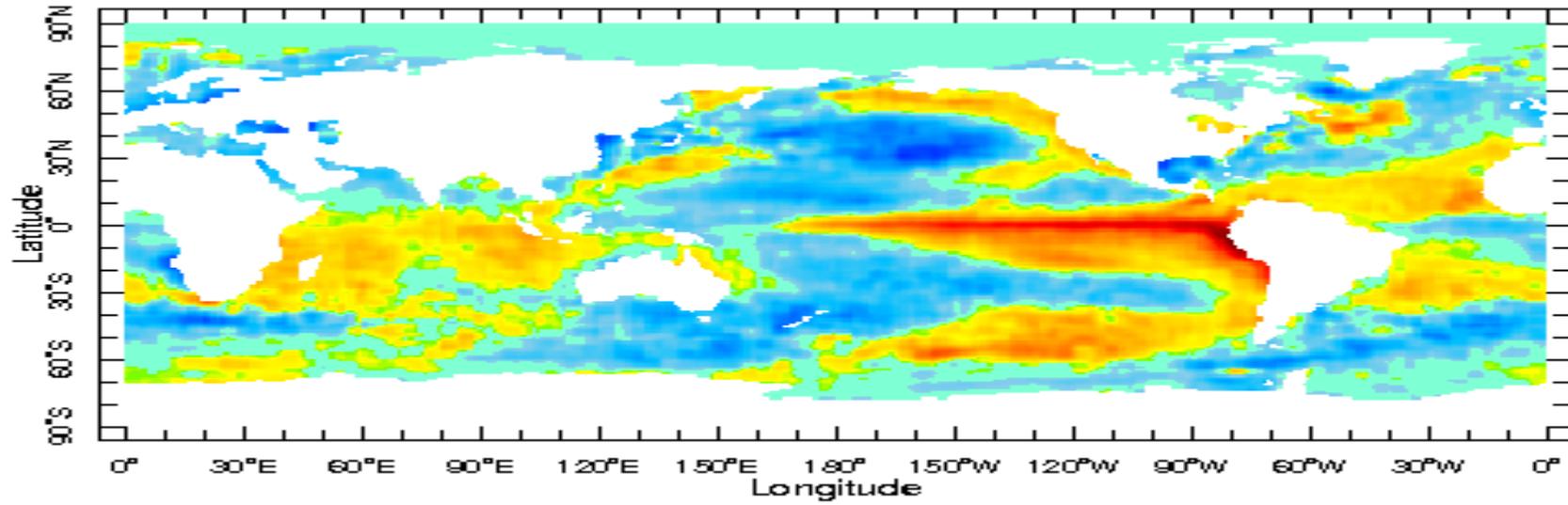
ANNEES SECHES MAM_2024



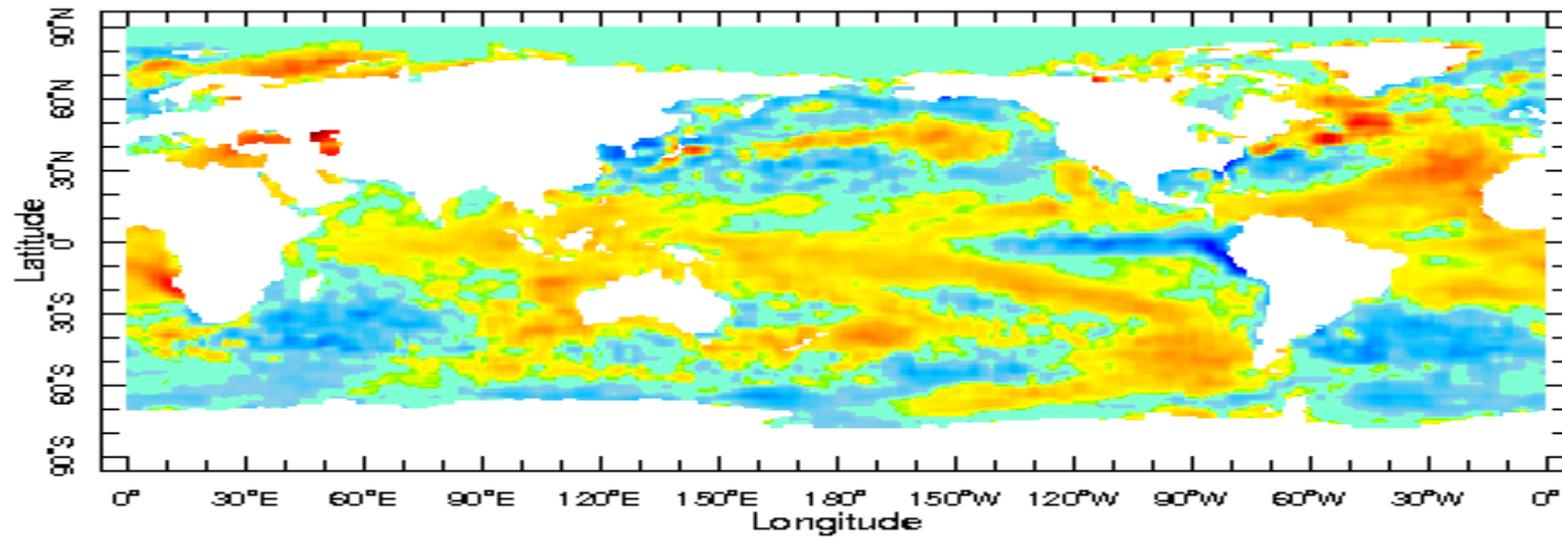
ANNEES HUMIDES MAM_2024



COMPOSITES ANNEES SECHES MAM

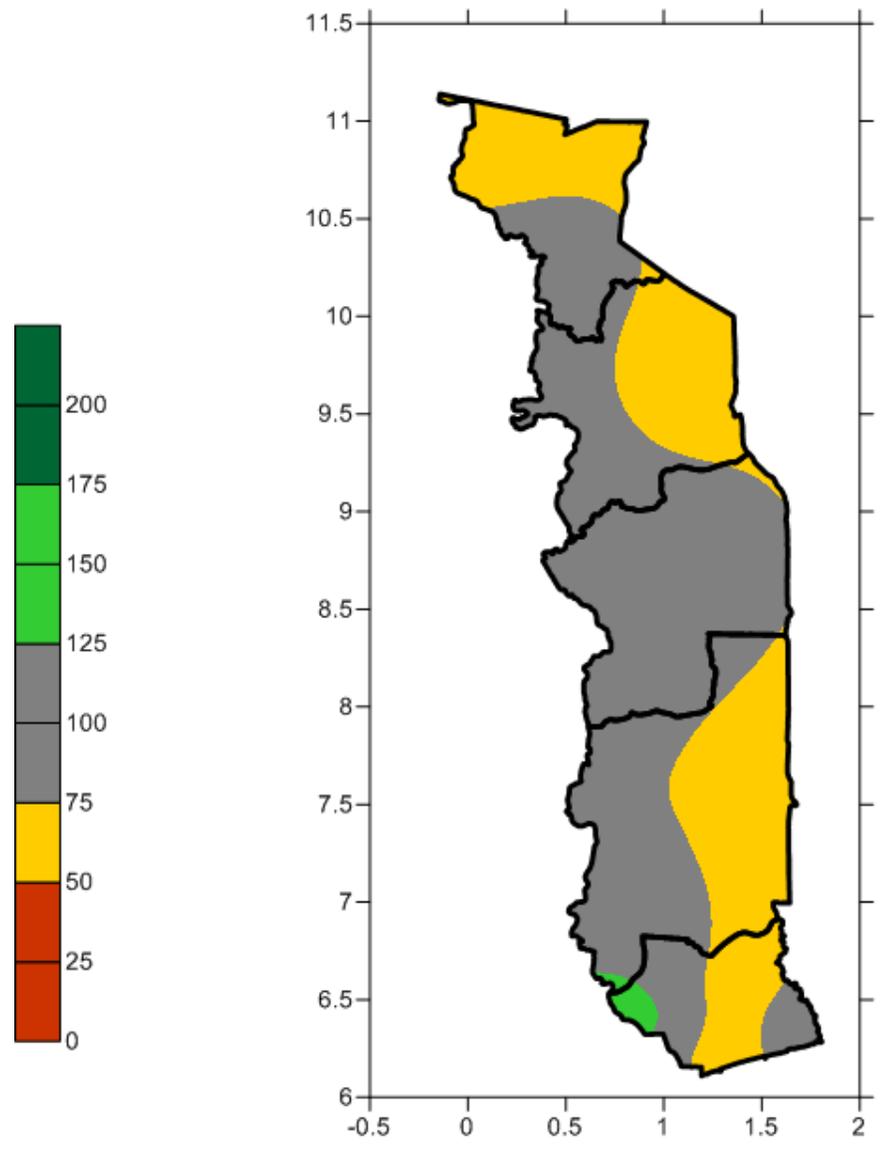


COMPOSITES ANNEES HUMIDES MAM

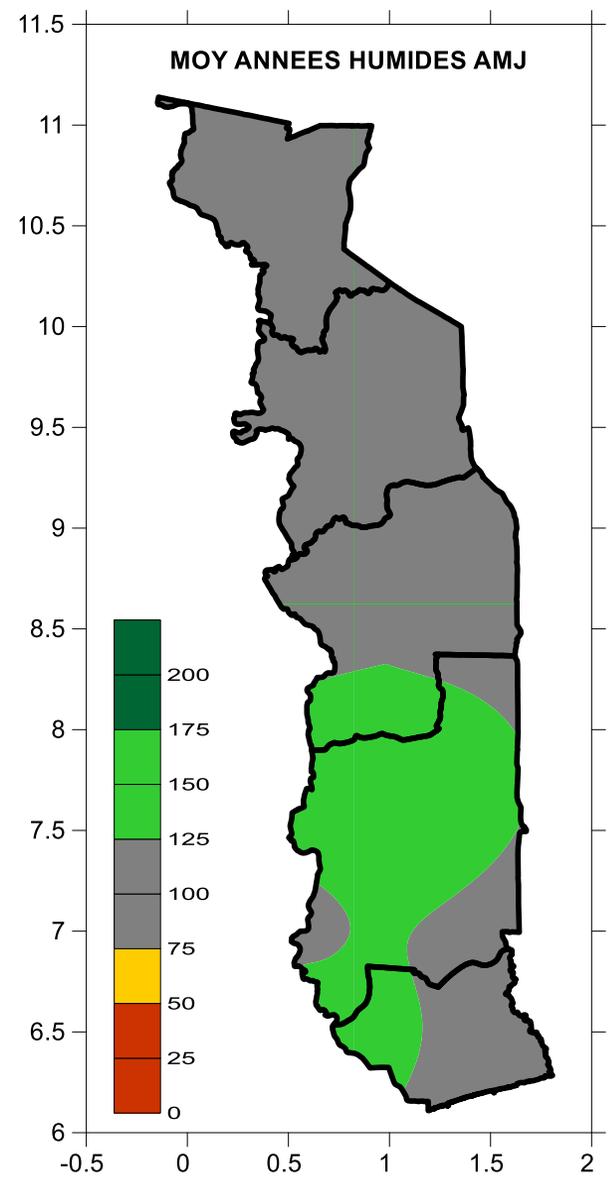


LES ANNEES SECHES ET HUMIDES AMJ

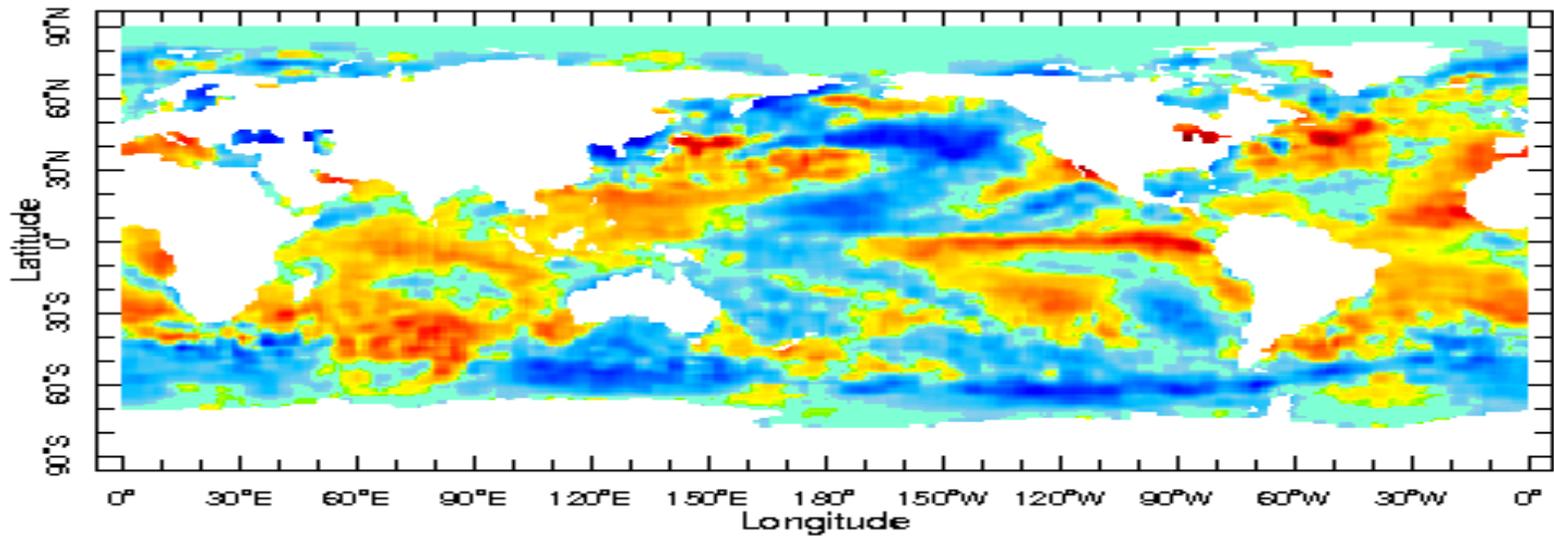
ANNEES SECHES AMJ_2024



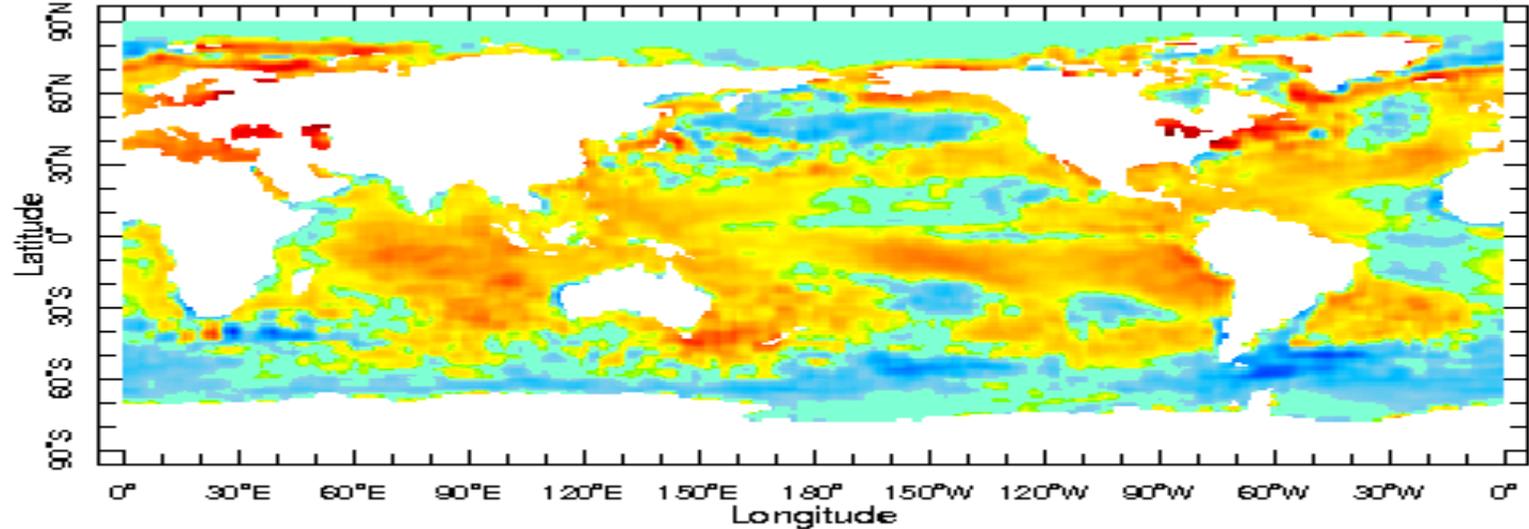
ANNEES HUMIDES AMJ_2024



COMPOSITES ANNEES SECHES AMJ



COMPOSITES ANNEES HUMIDES AMJ



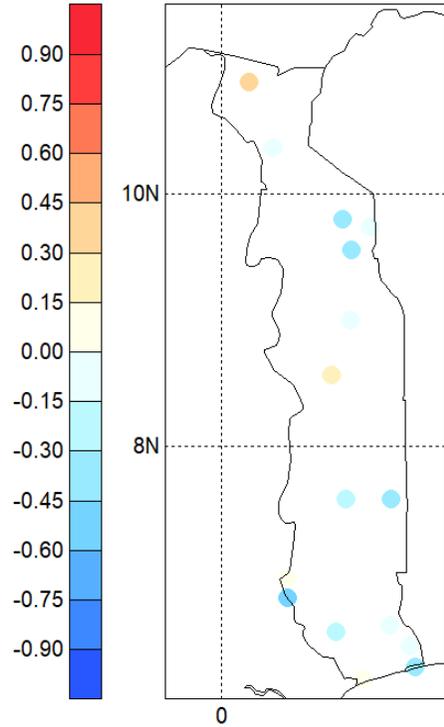
RESULTS OF FORECAST MAM 2024: CPT AND PyCPT

Station:

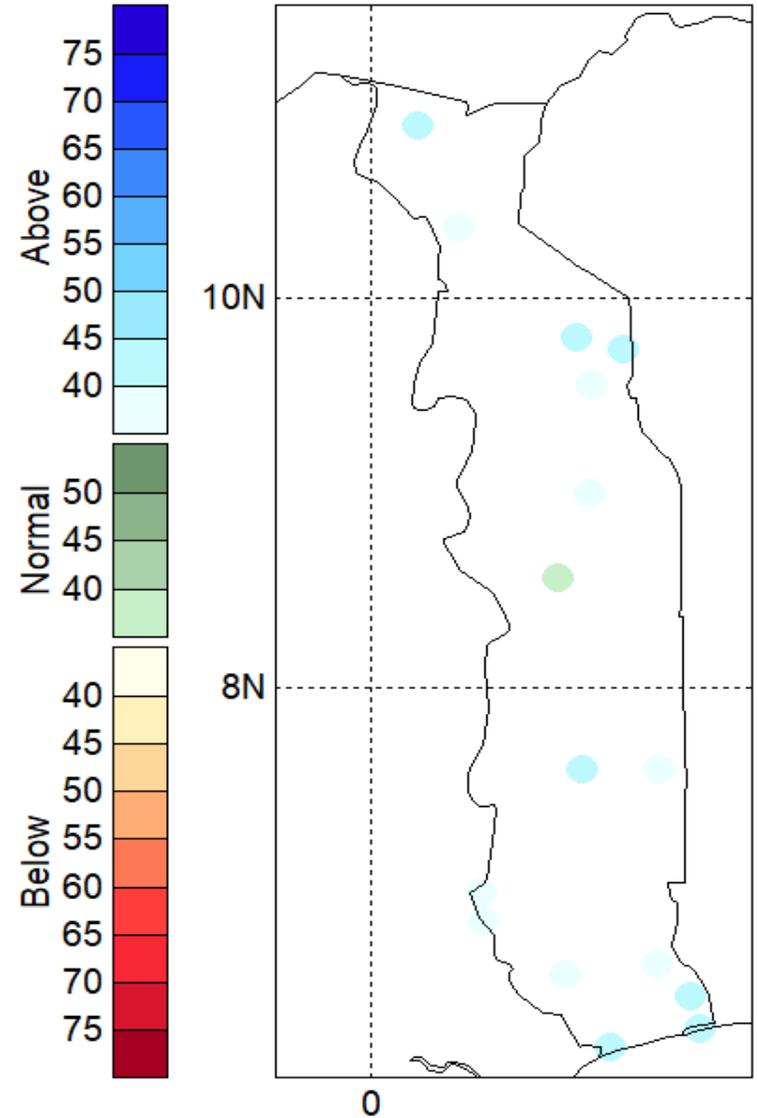
Scores

- Pearson's correlation
- Spearman's correlation
- 2AFC score
- % variance
- Variance ratio
- Mean bias
- Root mean squared error
- Mean absolute error
- Hit score
- Hit skill score
- LEPS
- Gerrity score
- 2AFC (forecast categories)
- 2AFC (continuous forecasts; GROC)
- ROC area (below-normal)
- ROC area (above-normal)

Skill_cfsv2_prec_MAM2024



forecasts_cfsv2_prec_MAM 2024

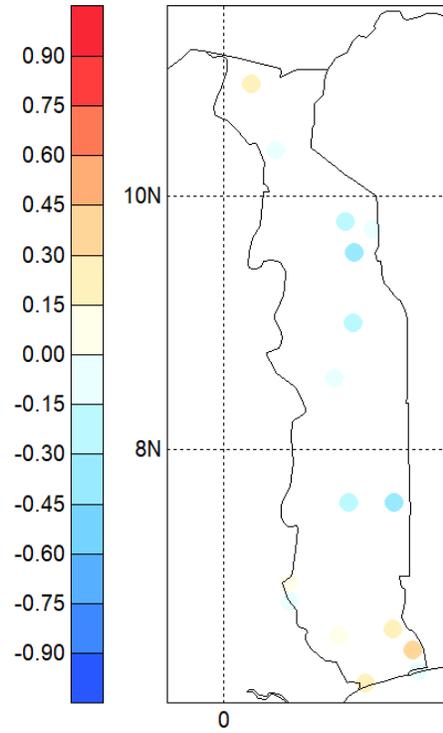


Station:

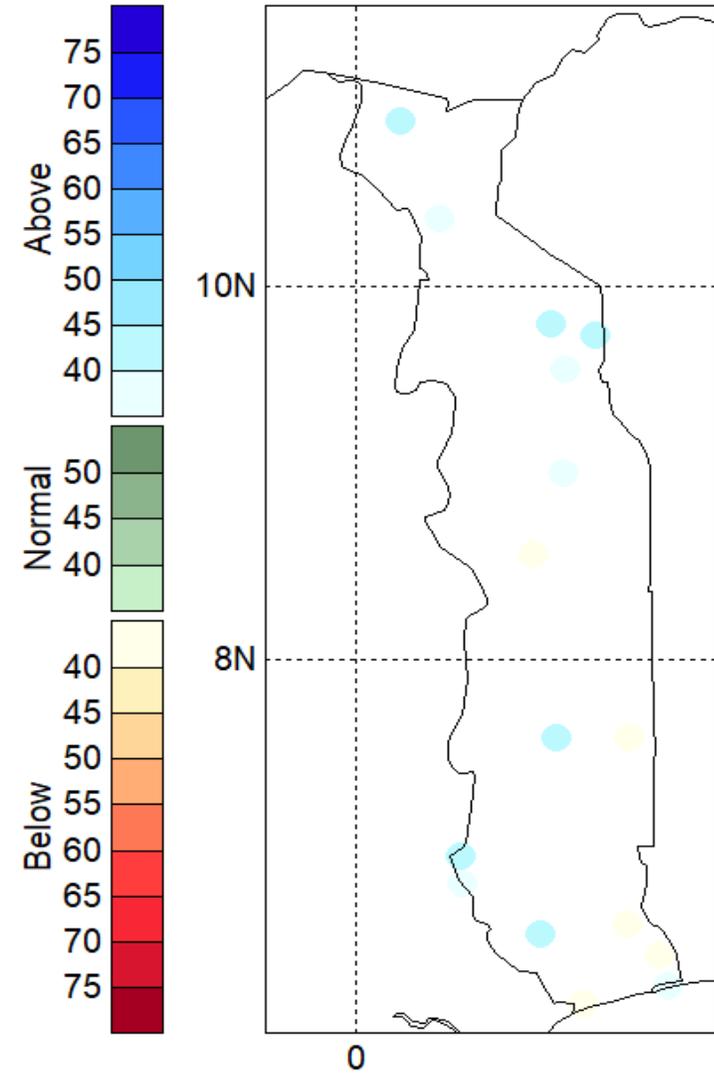
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Skill_cmc2_prec_MAM2024



forecasts_cmc2_prec_MAm2024

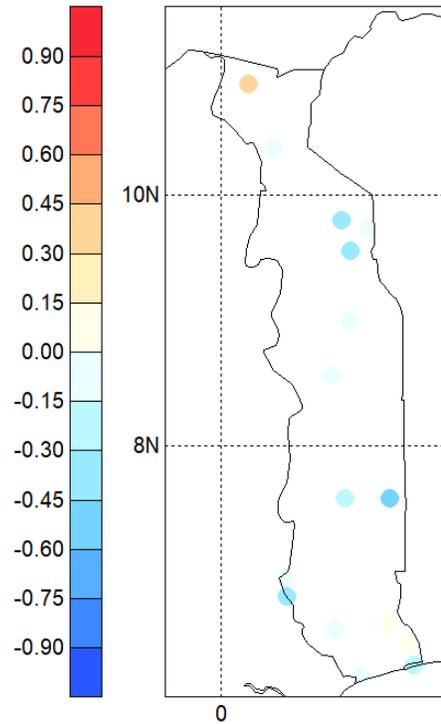


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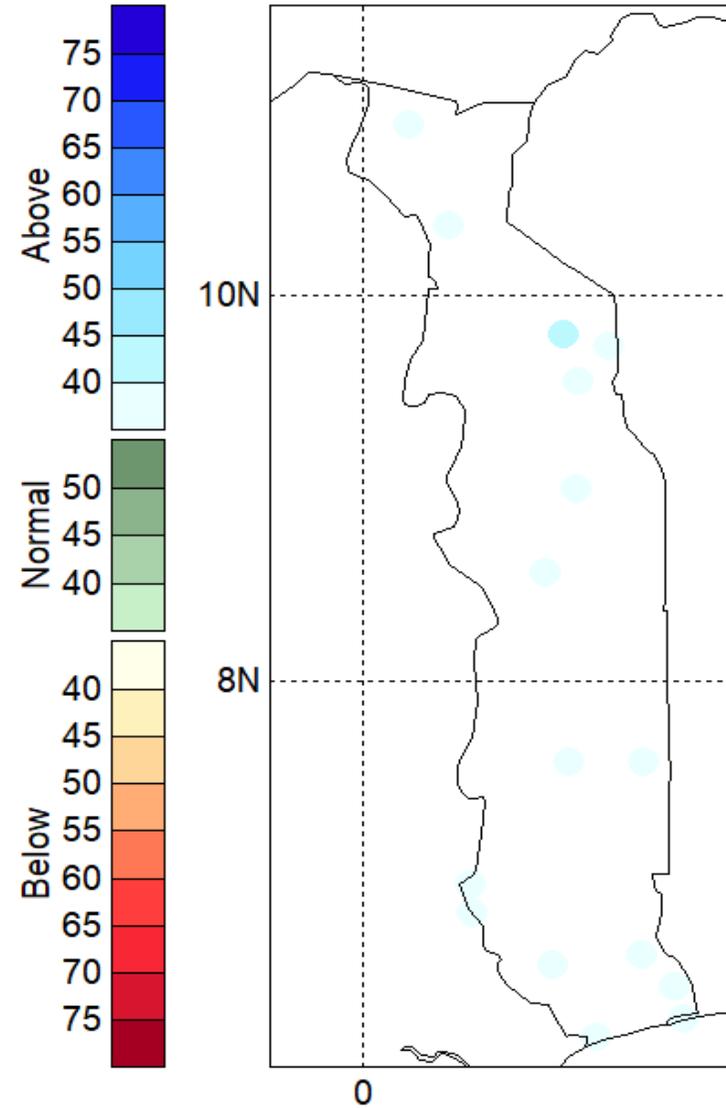
Scores

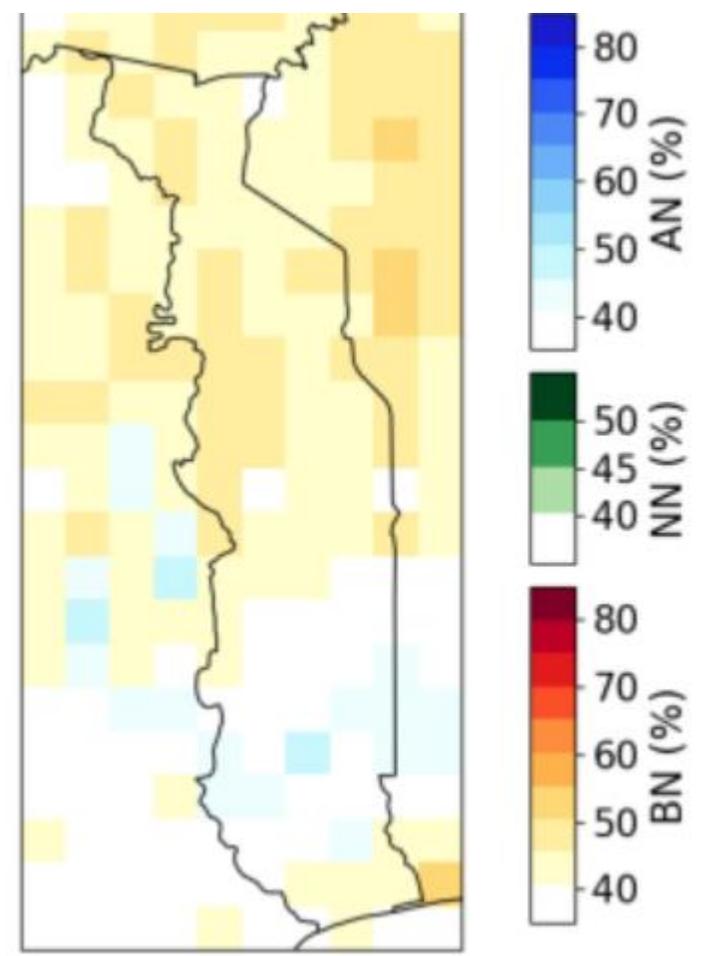
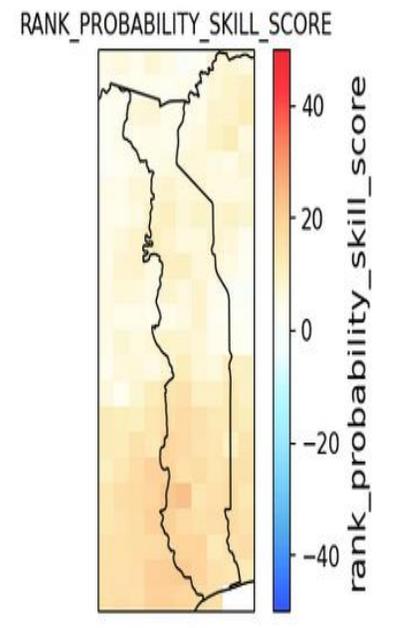
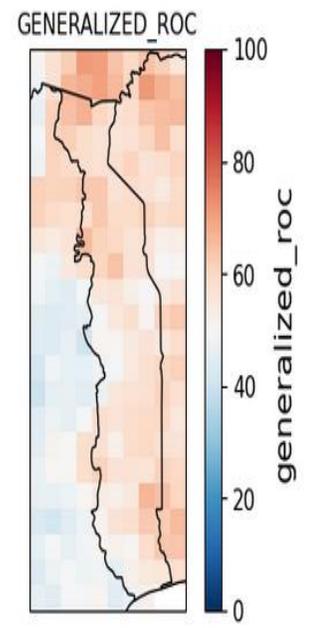
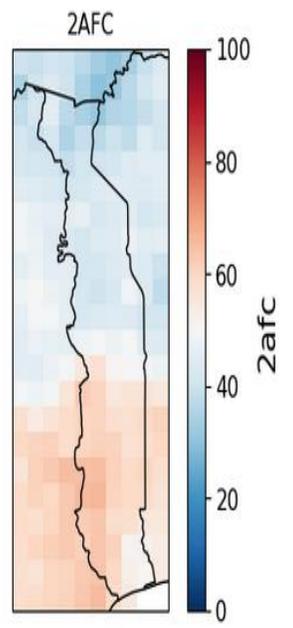
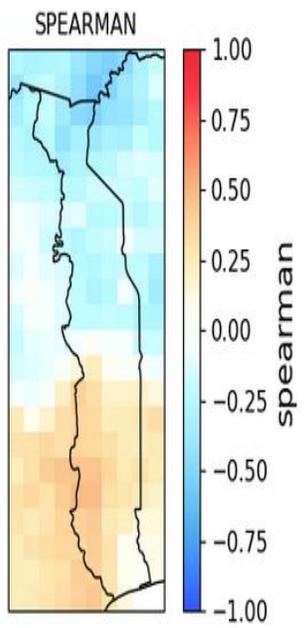
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Skill_nmme_prec_MAm2024



forecasts_nmme_prec_mam2024

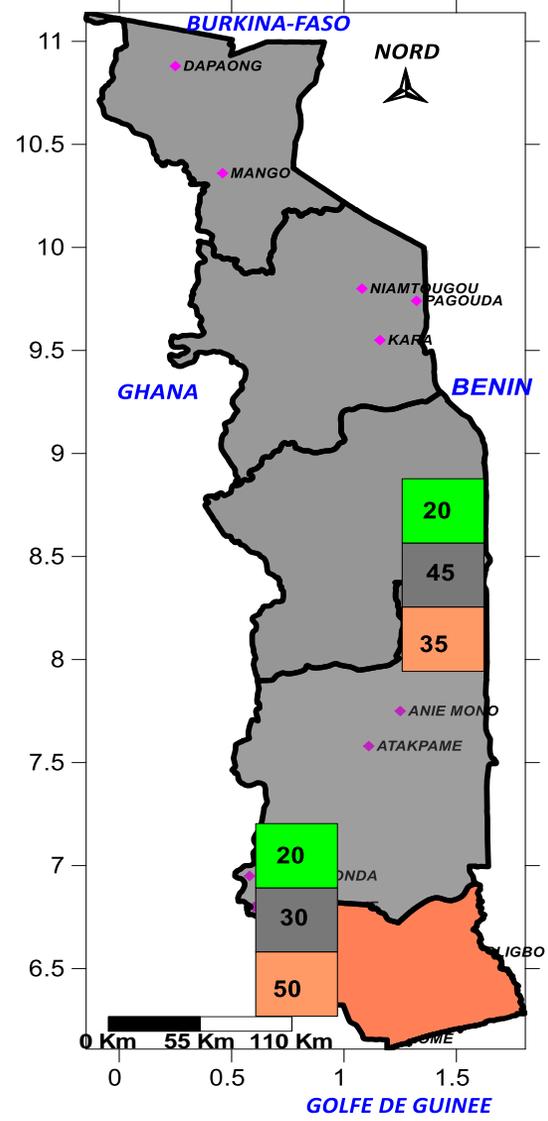




PREVISION MAM 2024

PREVISIONS NATIONALES: Mars-Avril-Mai (MAM)_2024

LEGENDE
A EXCEDENTAIRE
B NORMALE : A; B et C = POURCENTAGES
C DEFICITAIRE



Au cours de la période de mars, avril et mai, il est prévu dans les régions Maritimes, des précipitations déficitaires qui évolueront vers une situation normales.

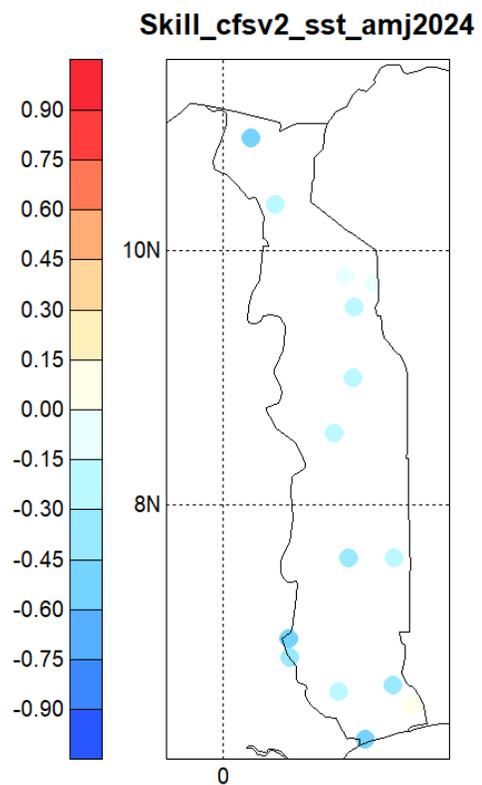
Par contre, dans les autres régions du pays, il est attendu une pluviométrie normale à tendance déficitaire.

RESULTS OF FORECAST AMJ 2024: CPT AND PyCPT

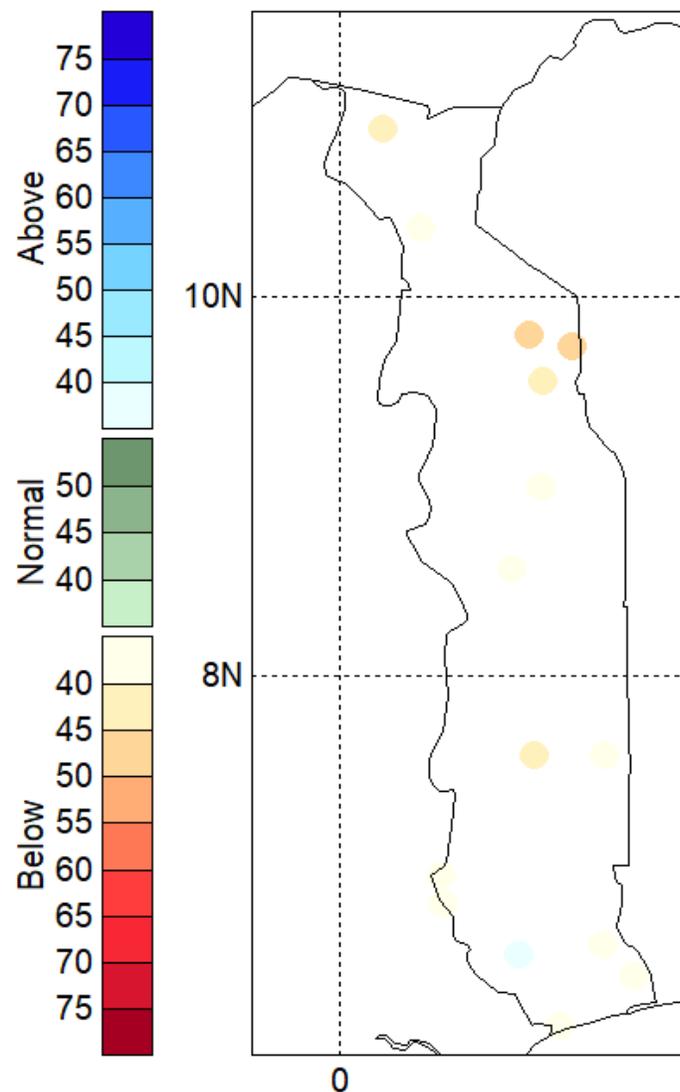
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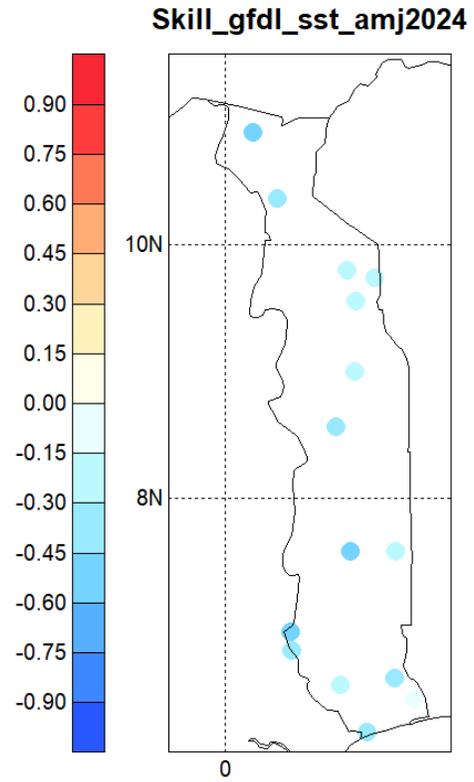
forecasts_cfsv2_sst_amj2024



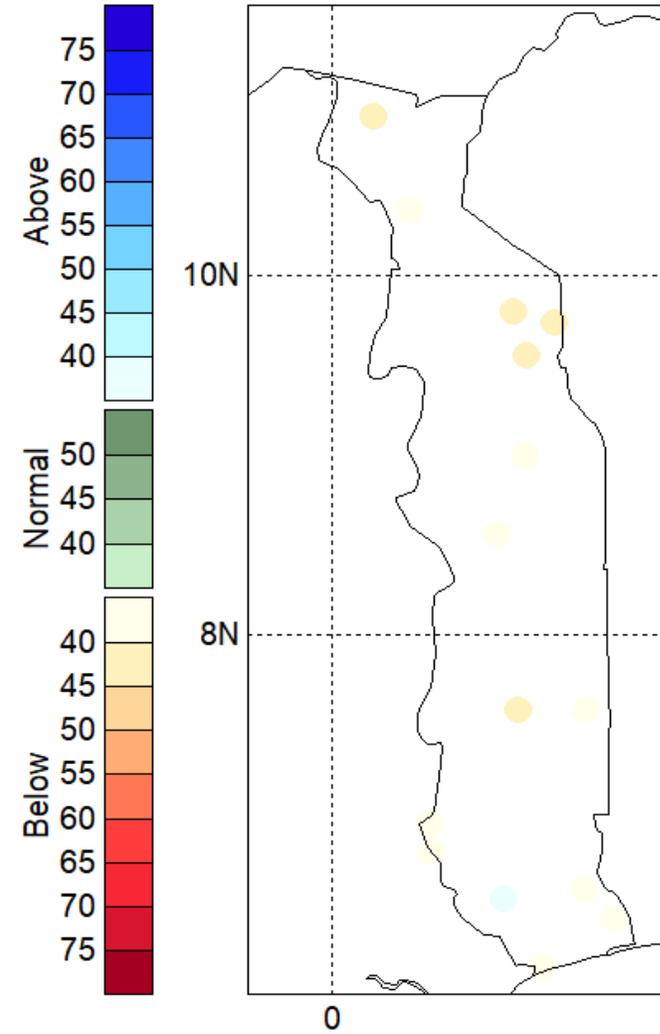
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forecasts_gfdl_sst_amj2024

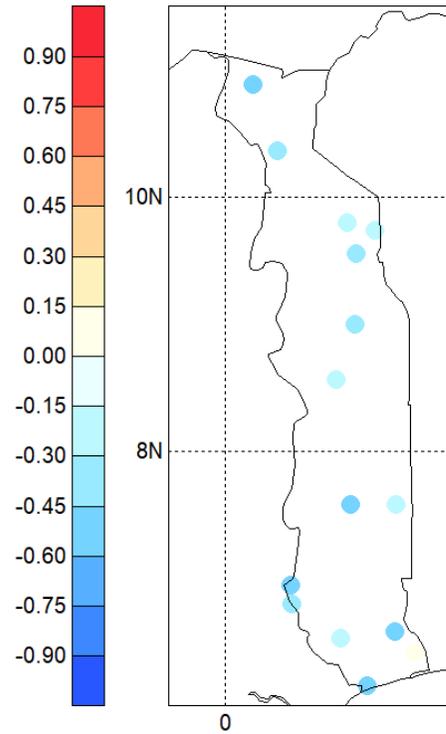


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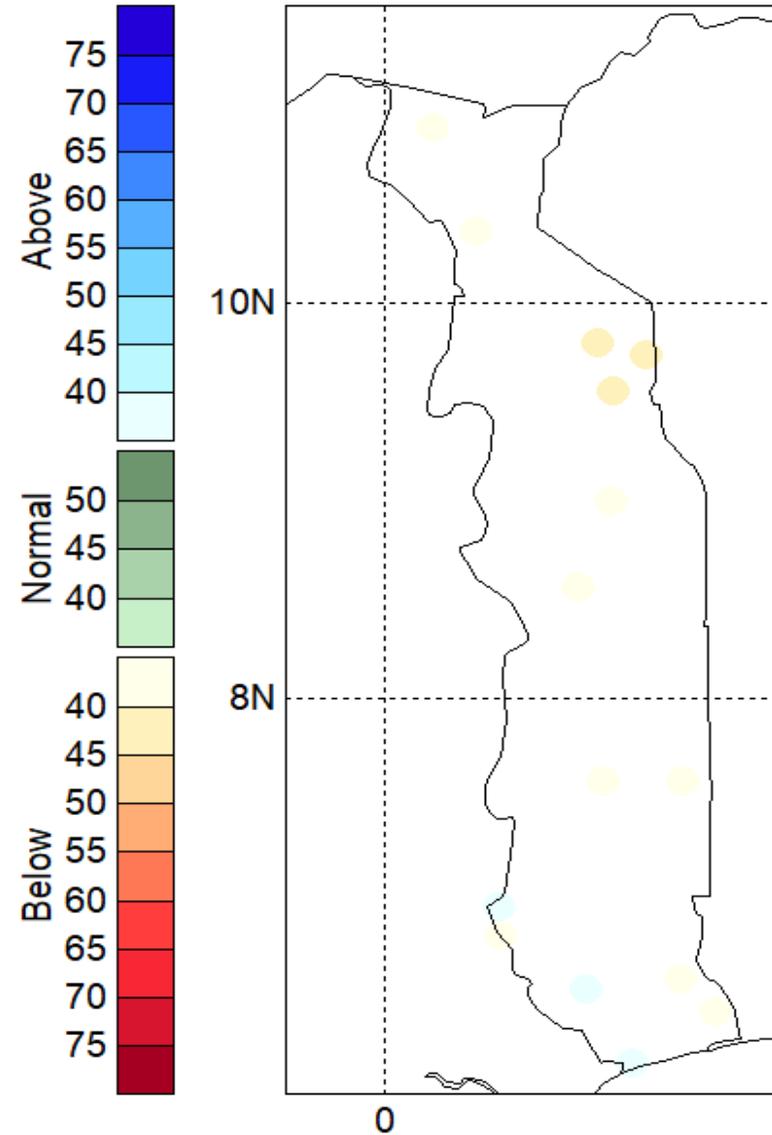
Scores

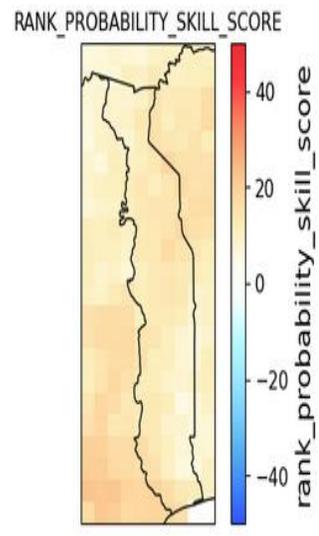
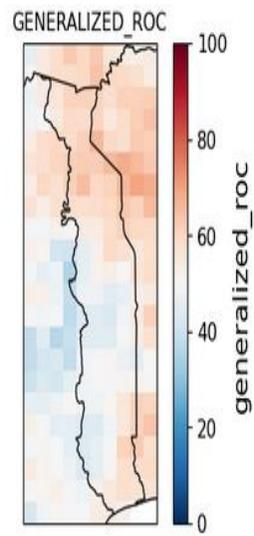
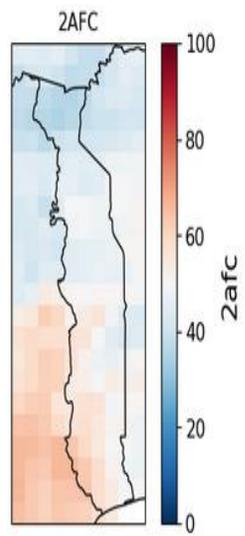
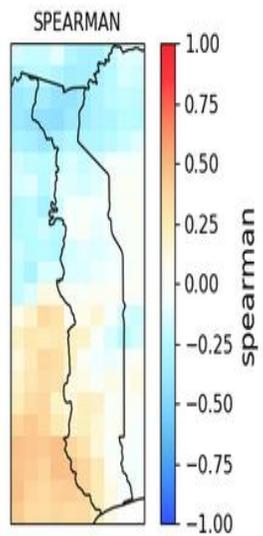
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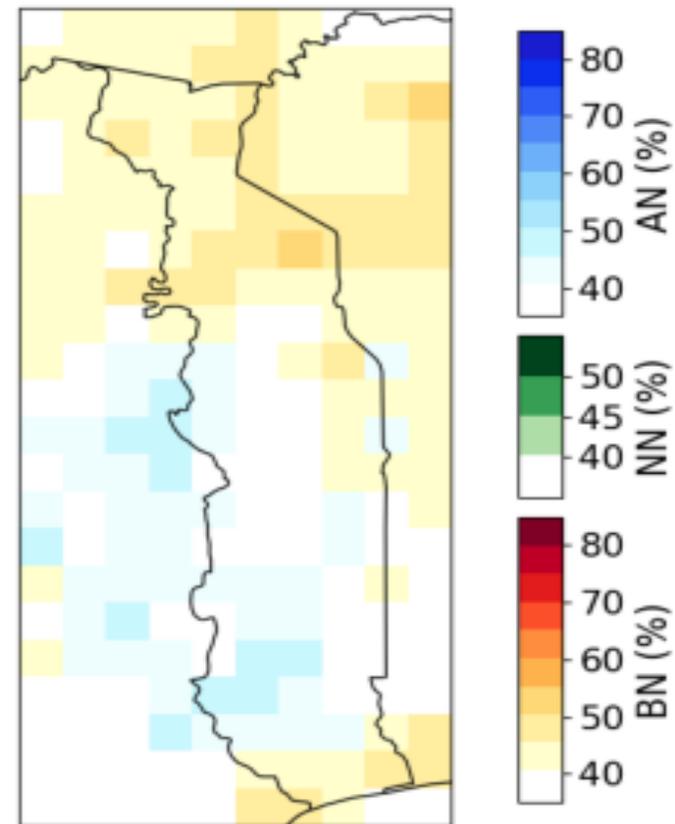


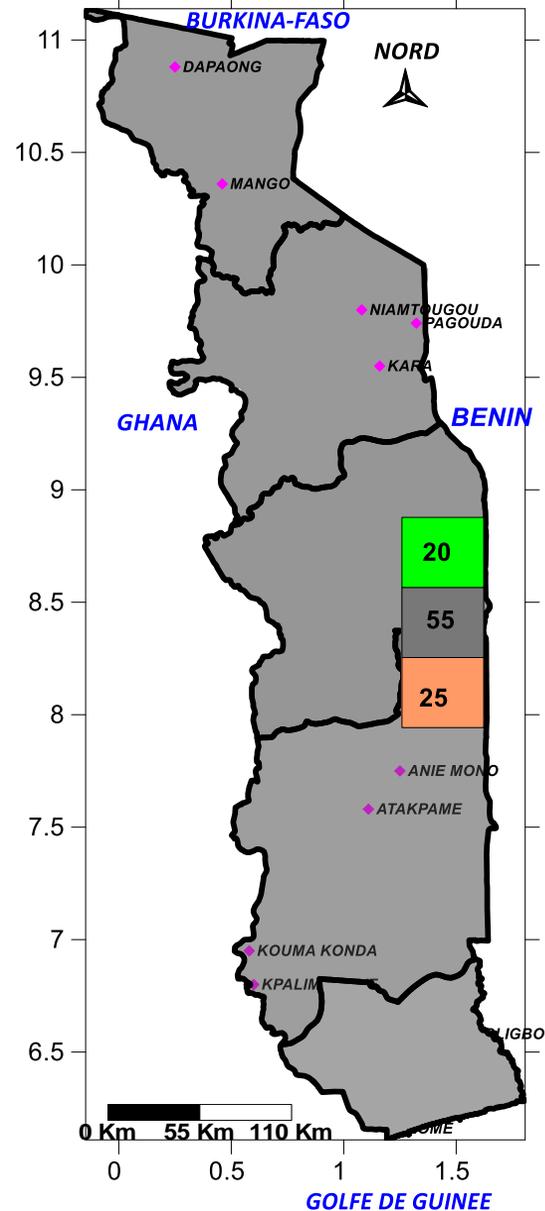
forecasts_nmme_sst_amj2024





CCA_ensemble - Probabilistic Forecast





PREVISION AMJ 2024

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