Forecast Customization System
SWIO 2023/2024 Review





Mr. Jie Qiu

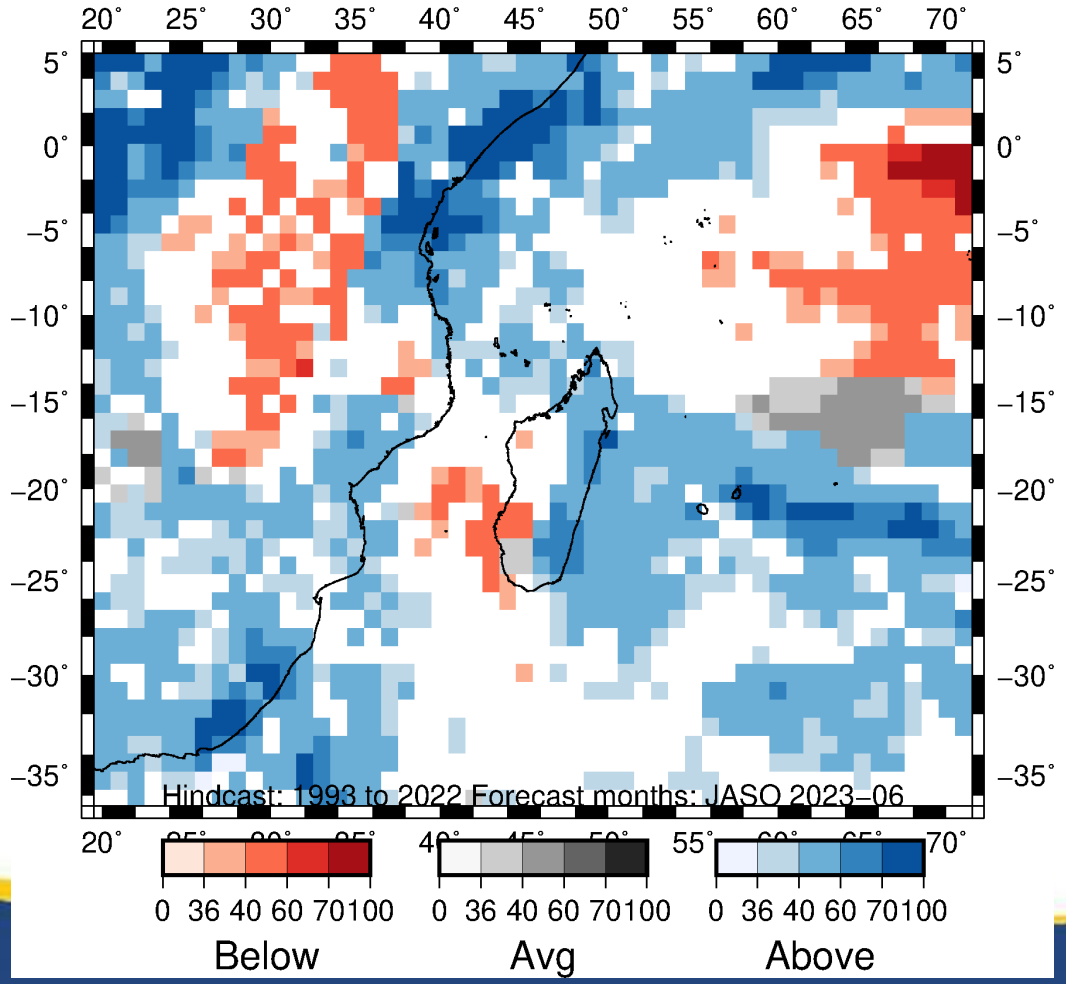
June 2025, Mauritius

Preliminary Analysis

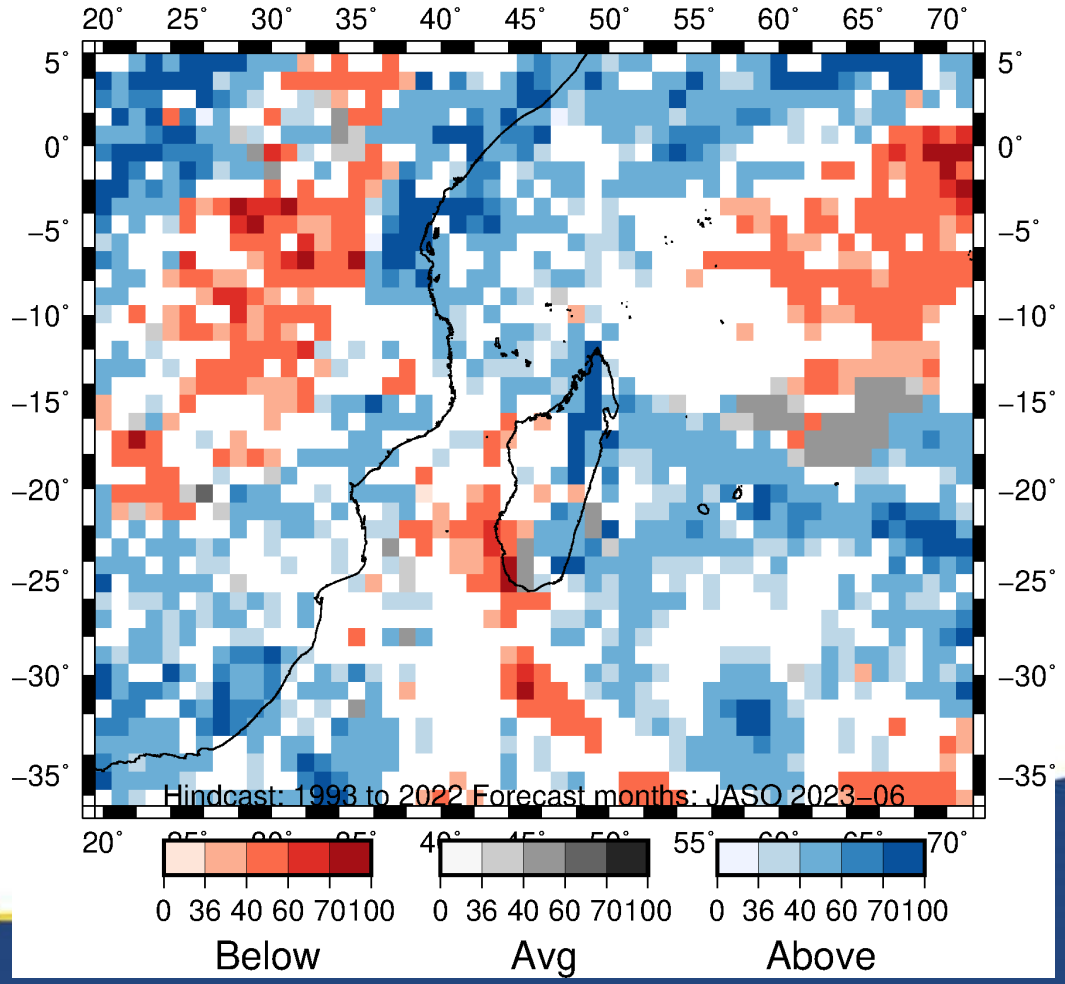
Initial Condition:	2023 | 06-June
Models:	CanSIPS-IC4 NASA-GEOSS2S NCAR-RSMAS-CCSM4 UKMO Meteo-France DWD CMCC GEM5.2-NEMO ECMWF
Observation:	ERA5
Hindcast:	1993 to 2022 (Except: 2017,2018)
Forecast Months:	JASO

SWIO 2023

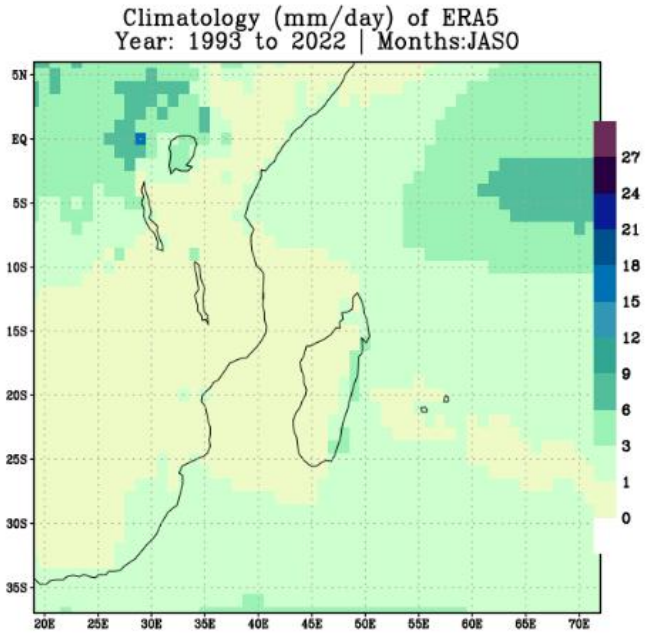
Simple Mean

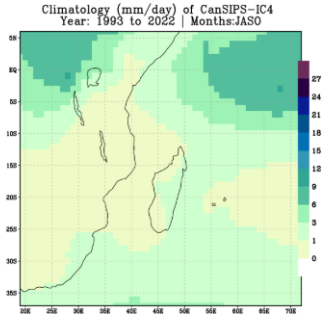


Skilled Weighted Average

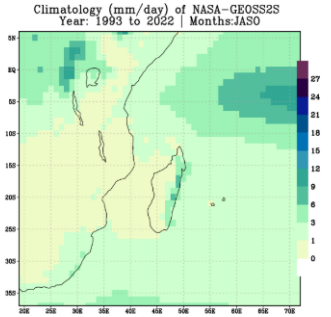


SWIO Climatology 1993-2022

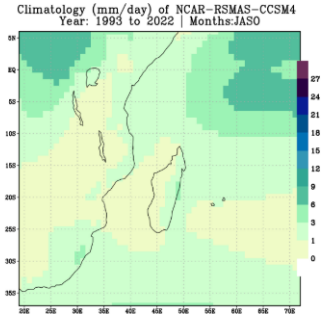




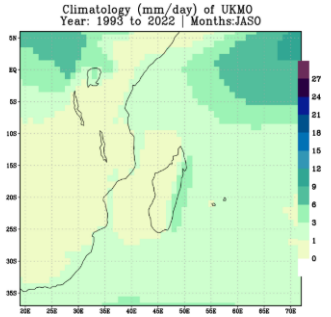
>> Download NetCDF <<



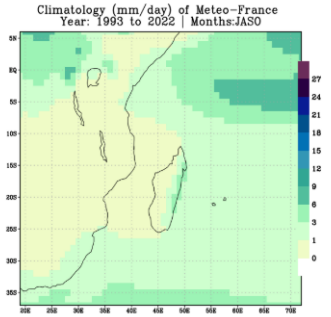
>> Download NetCDF <<



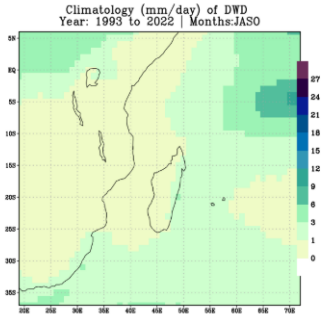
>> Download NetCDF <<



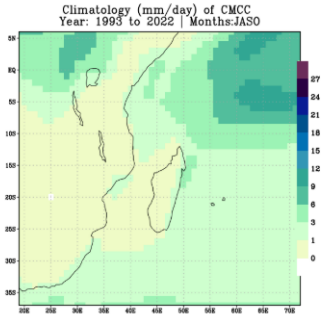
>> Download NetCDF <<



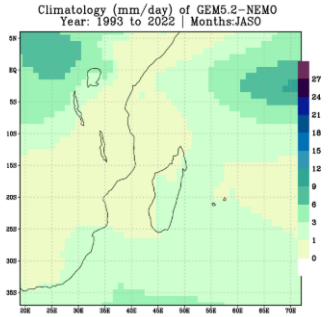
>> Download NetCDF <<



>> Download NetCDF <<

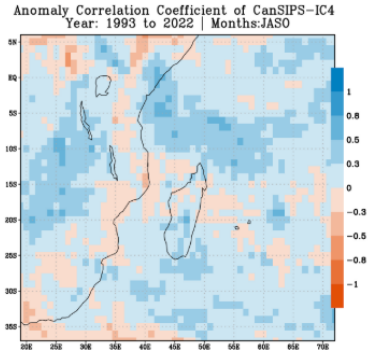


>> Download NetCDF <<

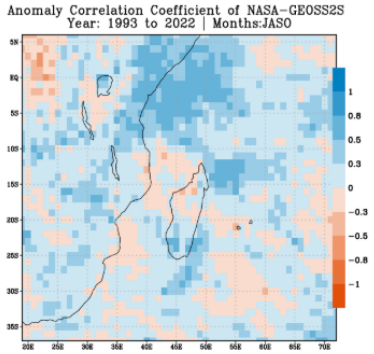


>> Download NetCDF <<

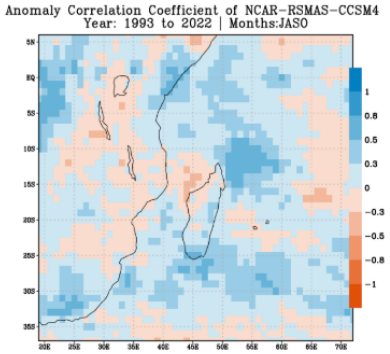
SWIO ACC 1993-2022



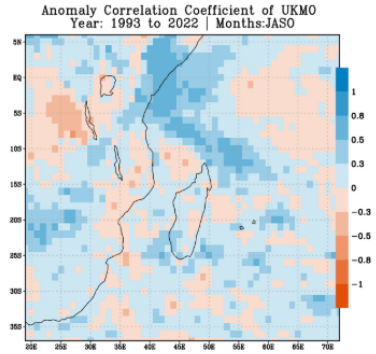
>> Download NetCDF <<



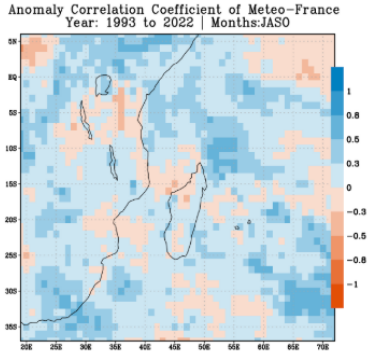
>> Download NetCDF <<



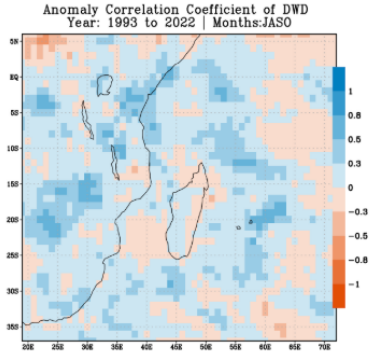
>> Download NetCDF <<



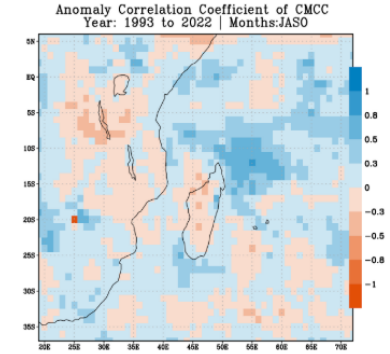
>> Download NetCDF <<



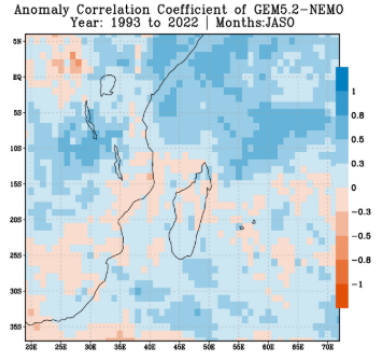
>> Download NetCDF <<



>> Download NetCDF <<

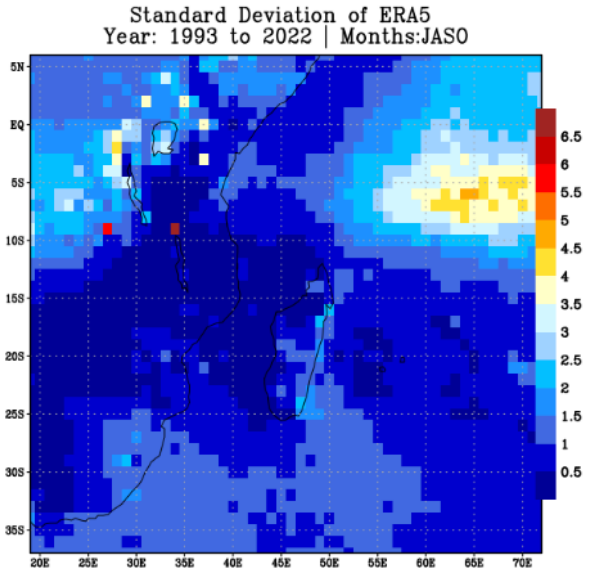


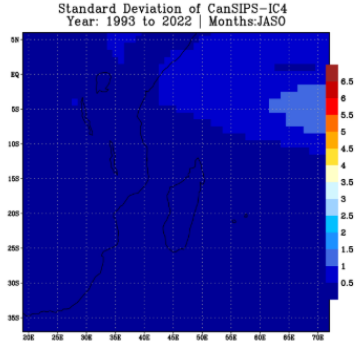
>> Download NetCDF <<



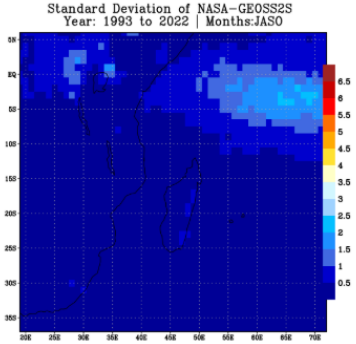
>> Download NetCDF <<

SWIO SD 1993-2022

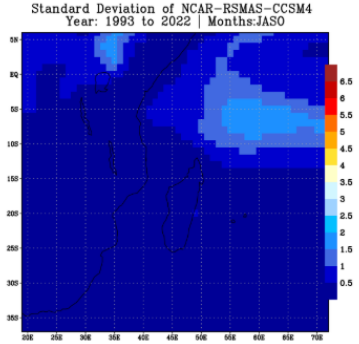




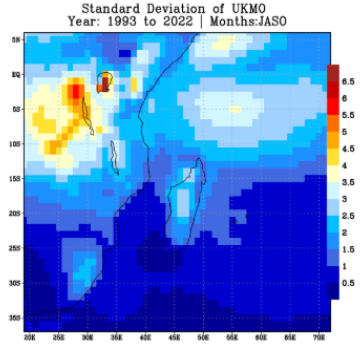
>> Download NetCDF <<



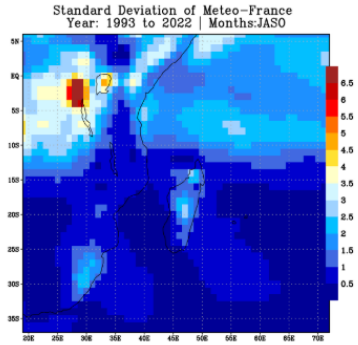
>> Download NetCDF <<



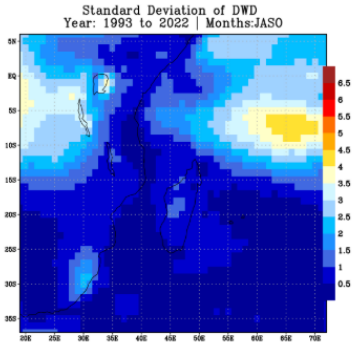
>> Download NetCDF <<



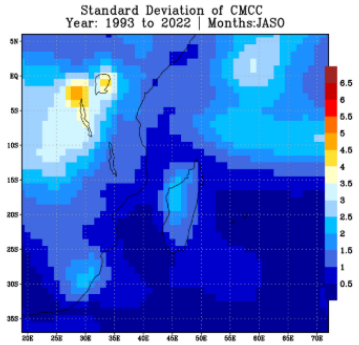
>> Download NetCDF <<



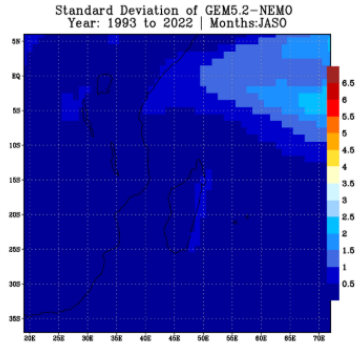
>> Download NetCDF <<



>> Download NetCDF <<

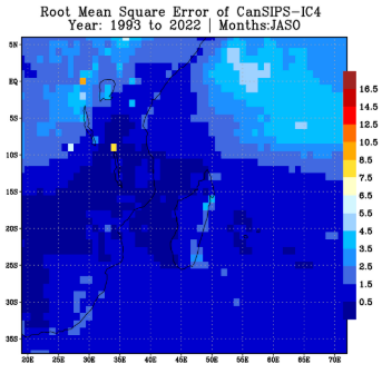


>> Download NetCDF <<

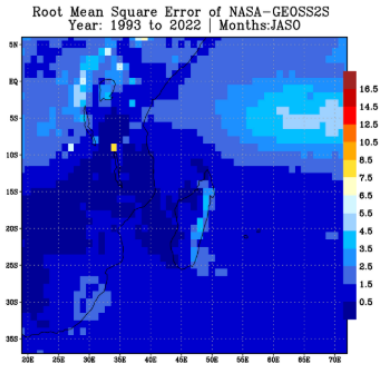


>> Download NetCDF <<

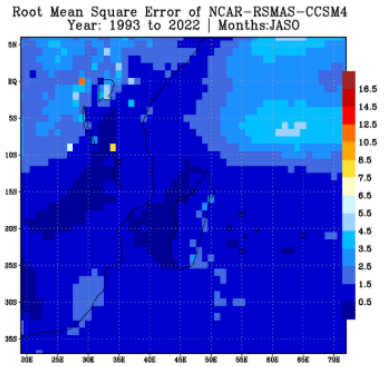
SWIO RMSE 1993-2022



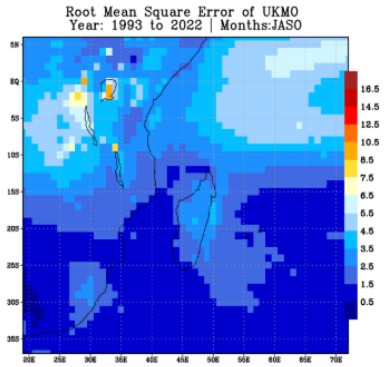
>> Download NetCDF <<



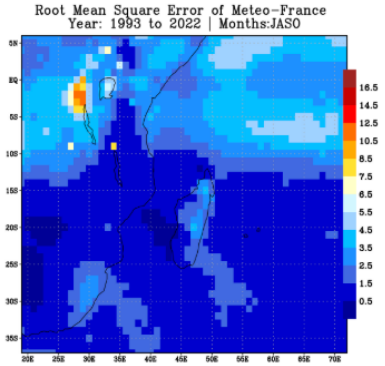
>> Download NetCDF <<



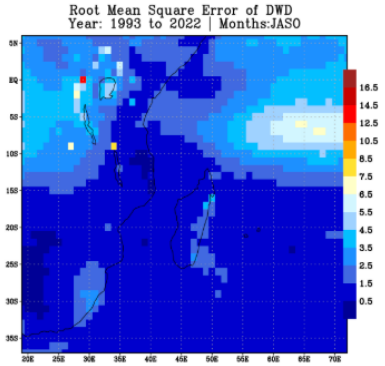
>> Download NetCDF <<



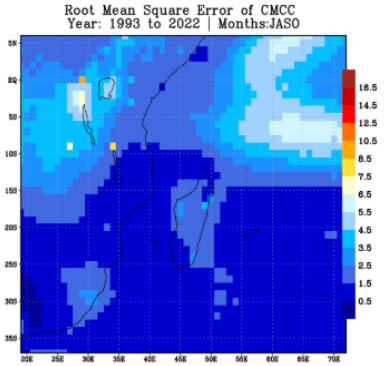
>> Download NetCDF <<



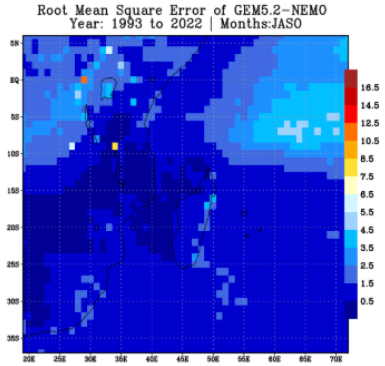
>> Download NetCDF <<



>> Download NetCDF <<

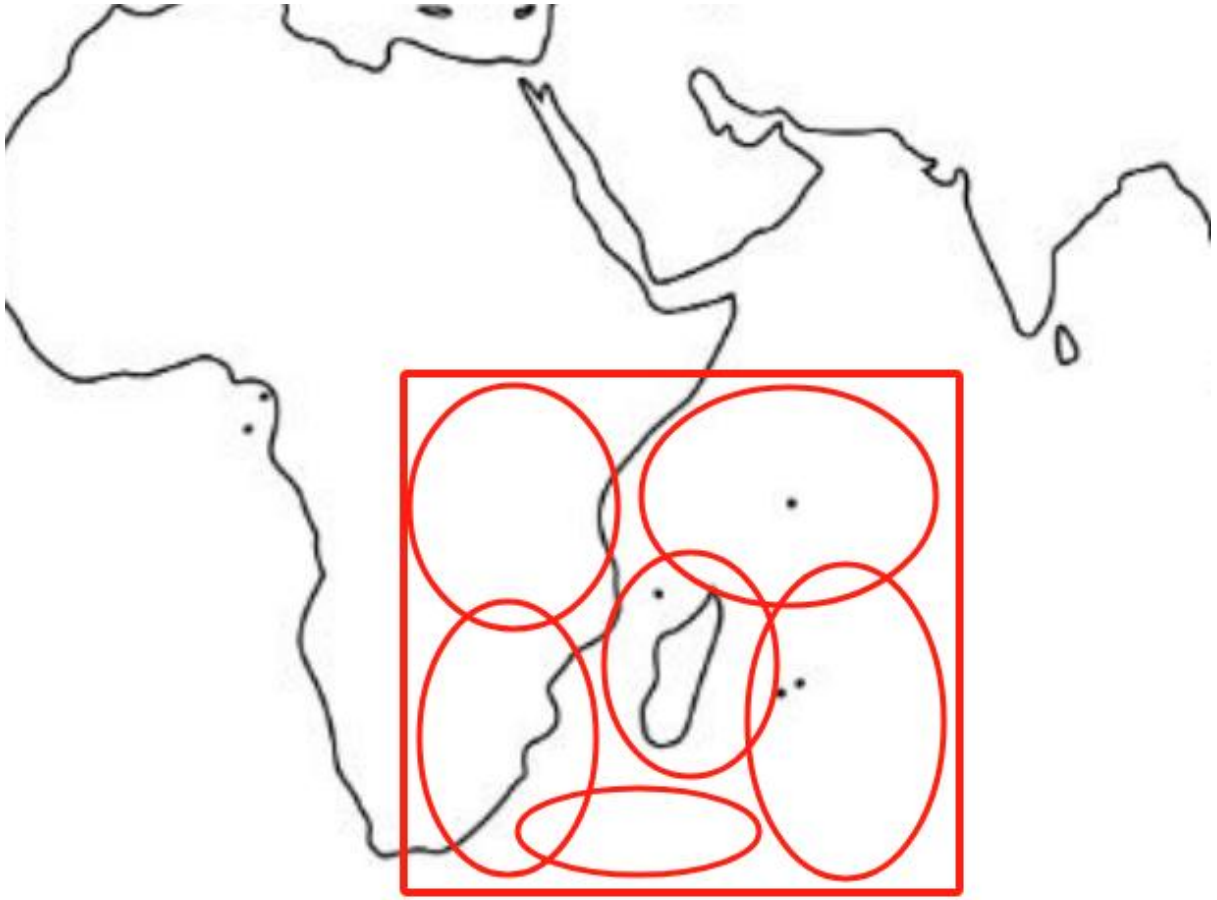


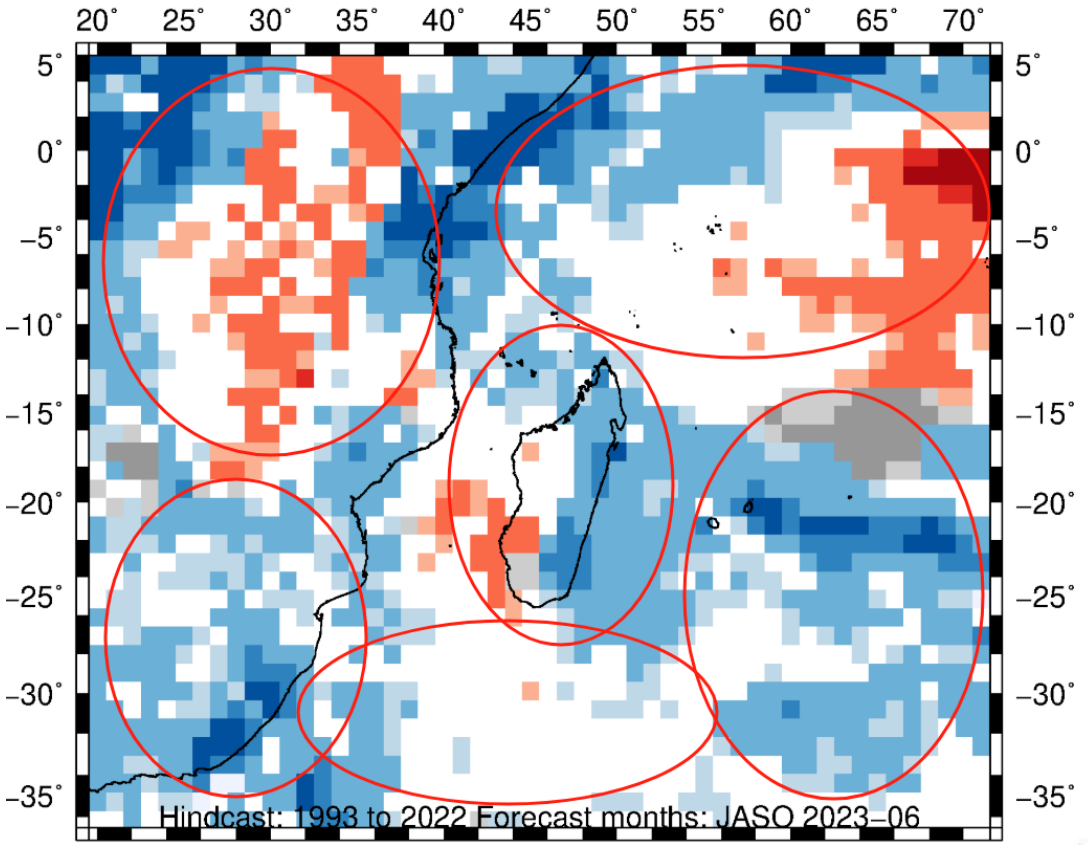
>> Download NetCDF <<



>> Download NetCDF <<

Sub-regions of SWIO





SWIO SR Models Suggestion

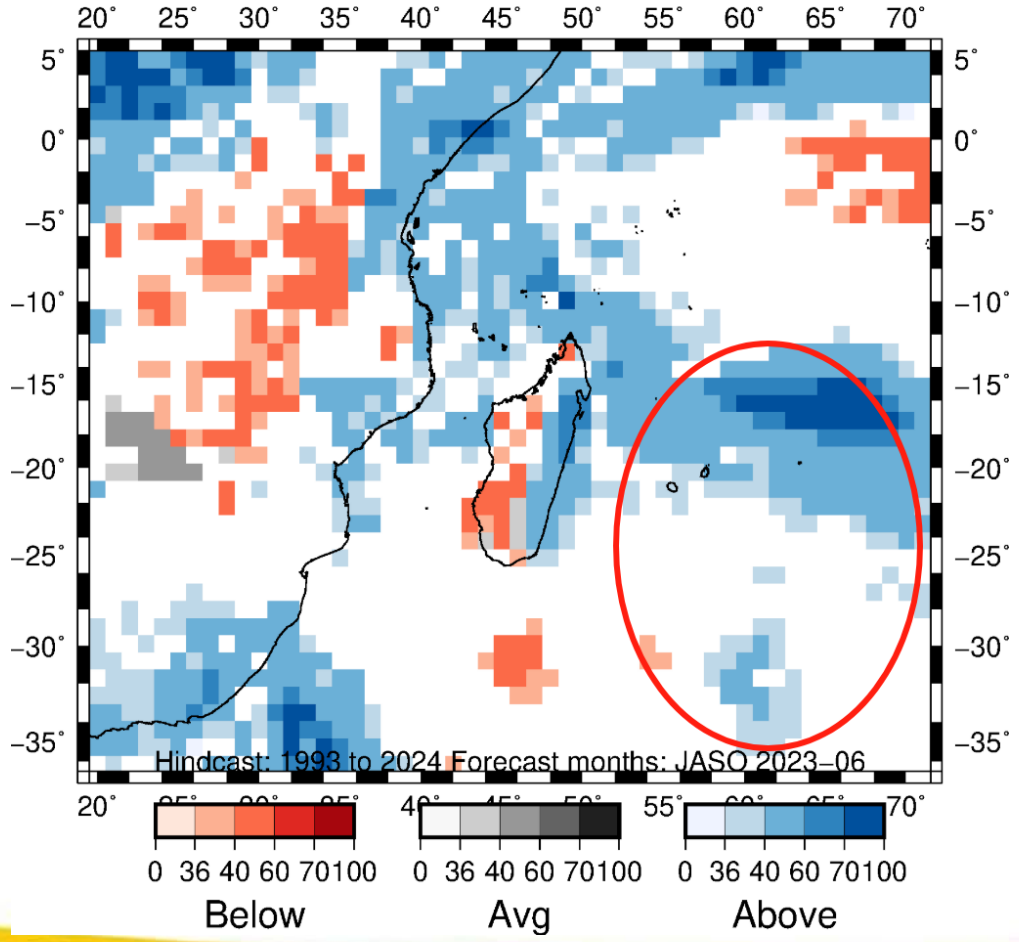


NE of SWIO

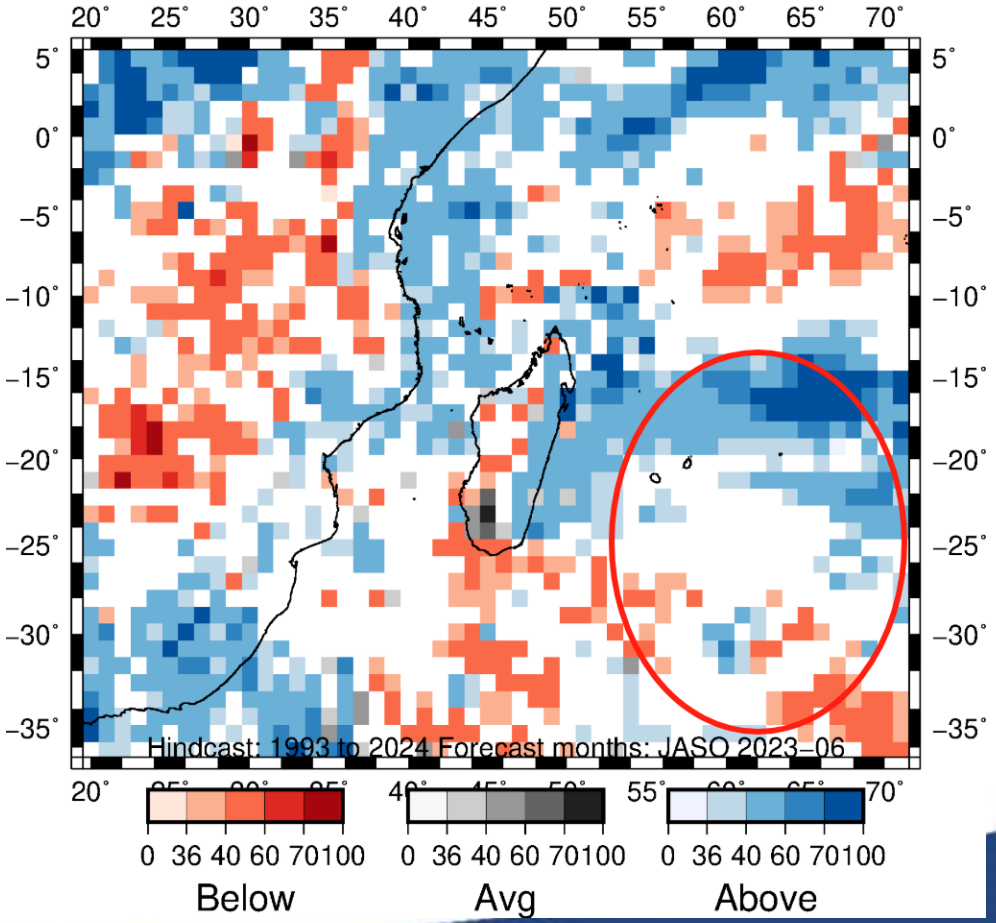
- CanSIP-IC4
- CCSM4
- UKMO
- Meteo-France
- DWD
- GEM5.2-NEMO

SWIO 2023 Performance-based

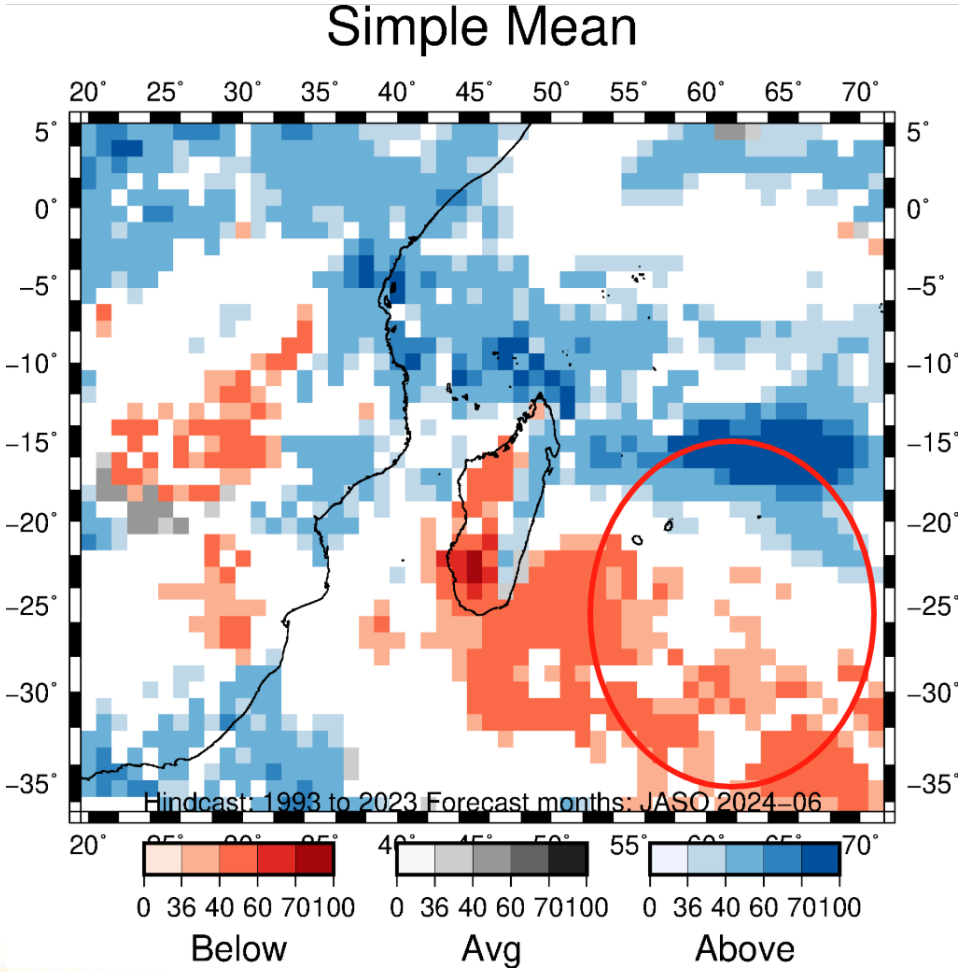
Simple Mean

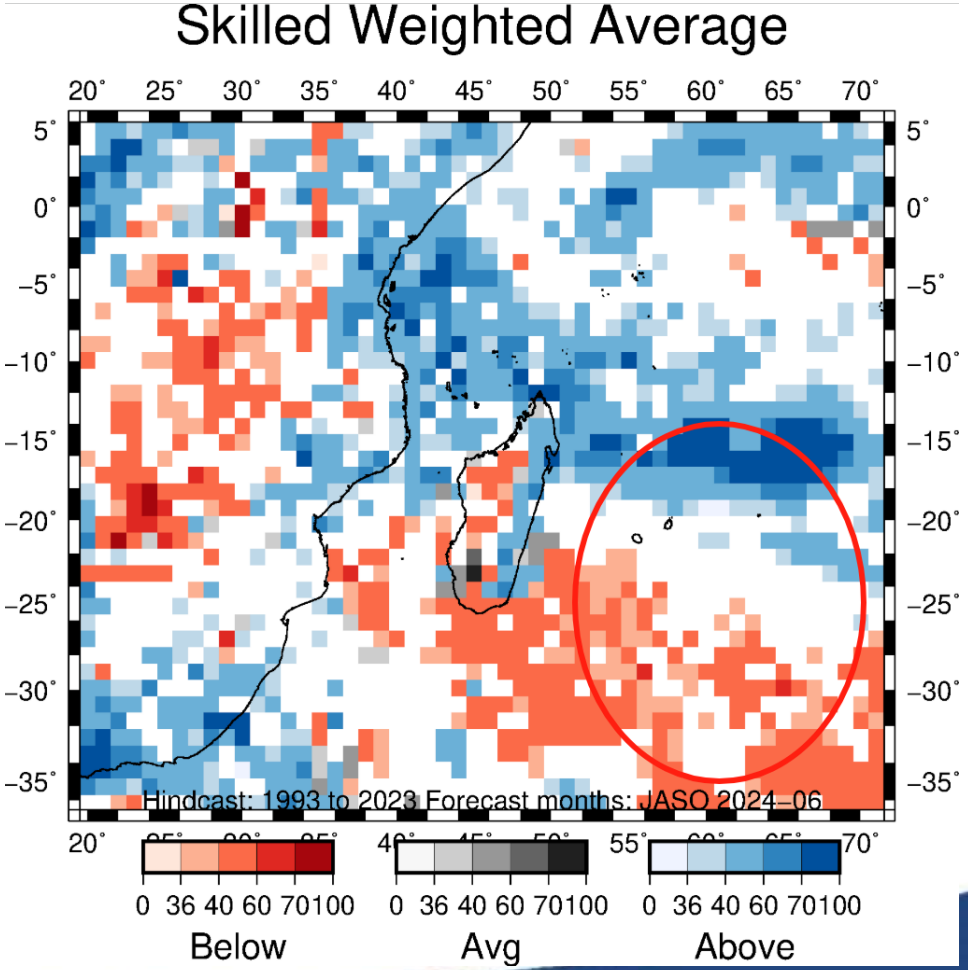


Skilled Weighted Average

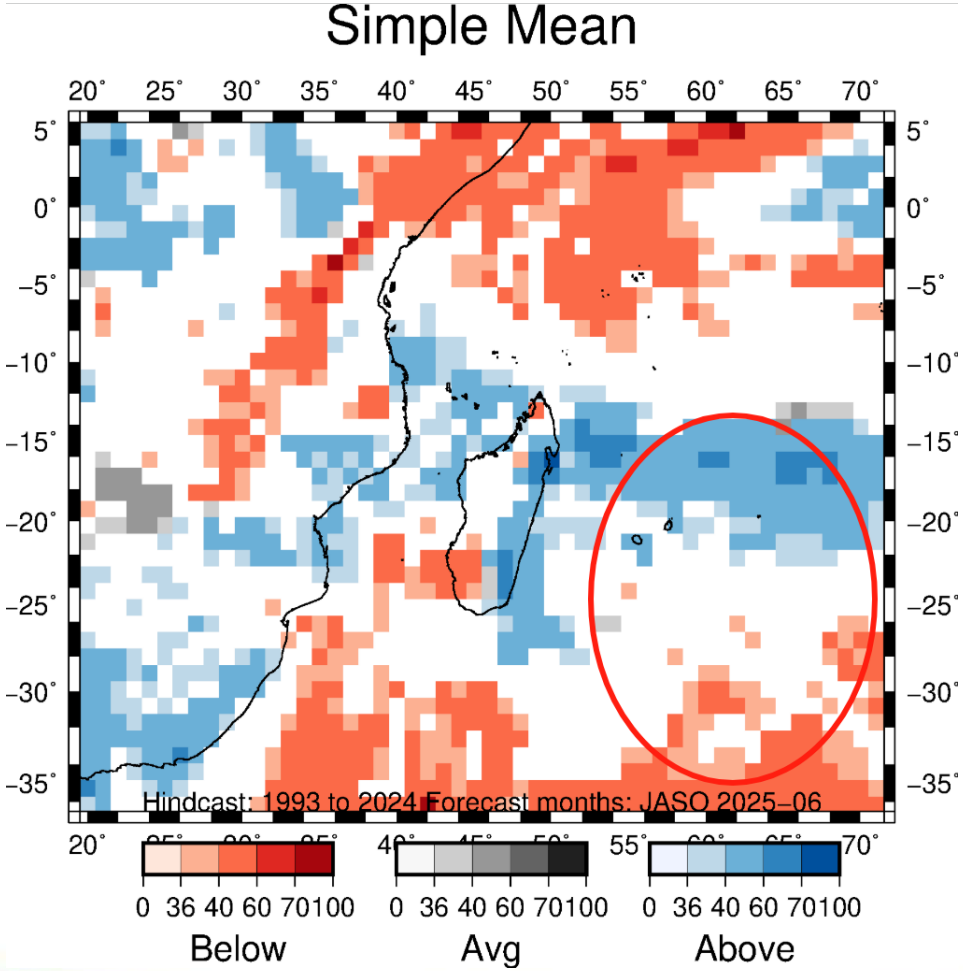


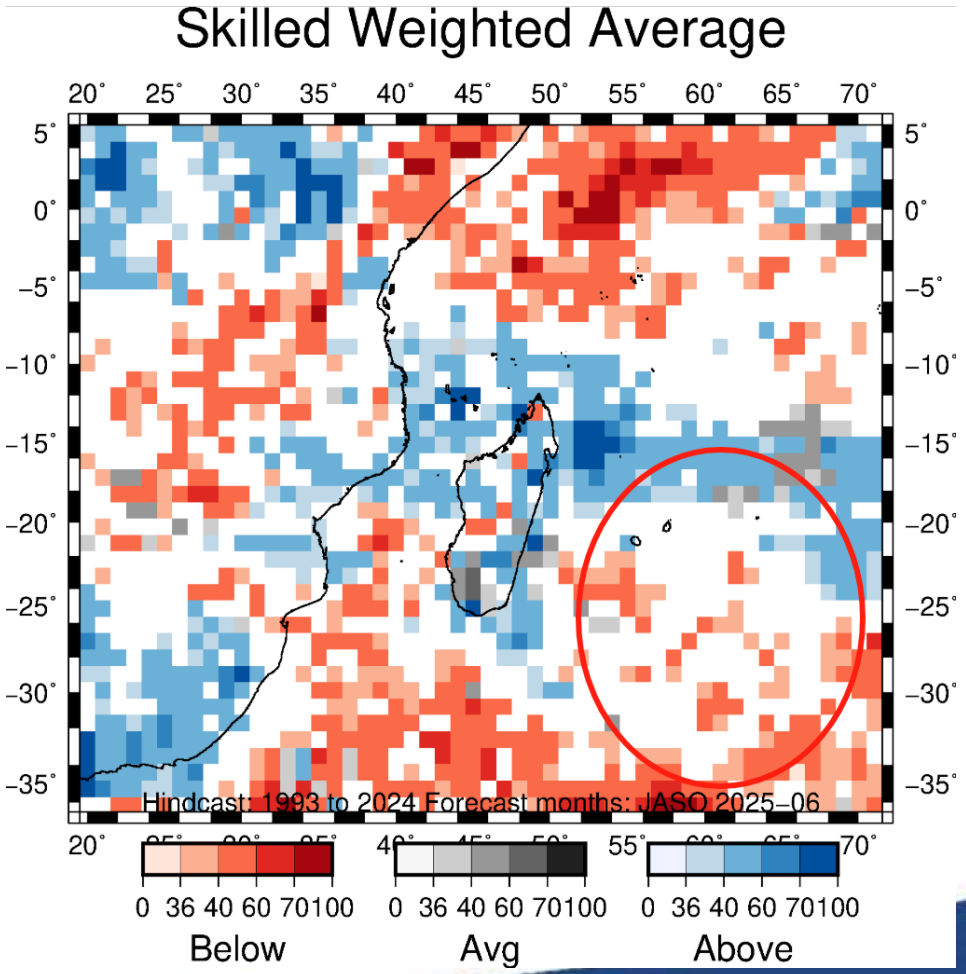
SWIO 2024 Performance-based





SWIO 2025 Performance-based





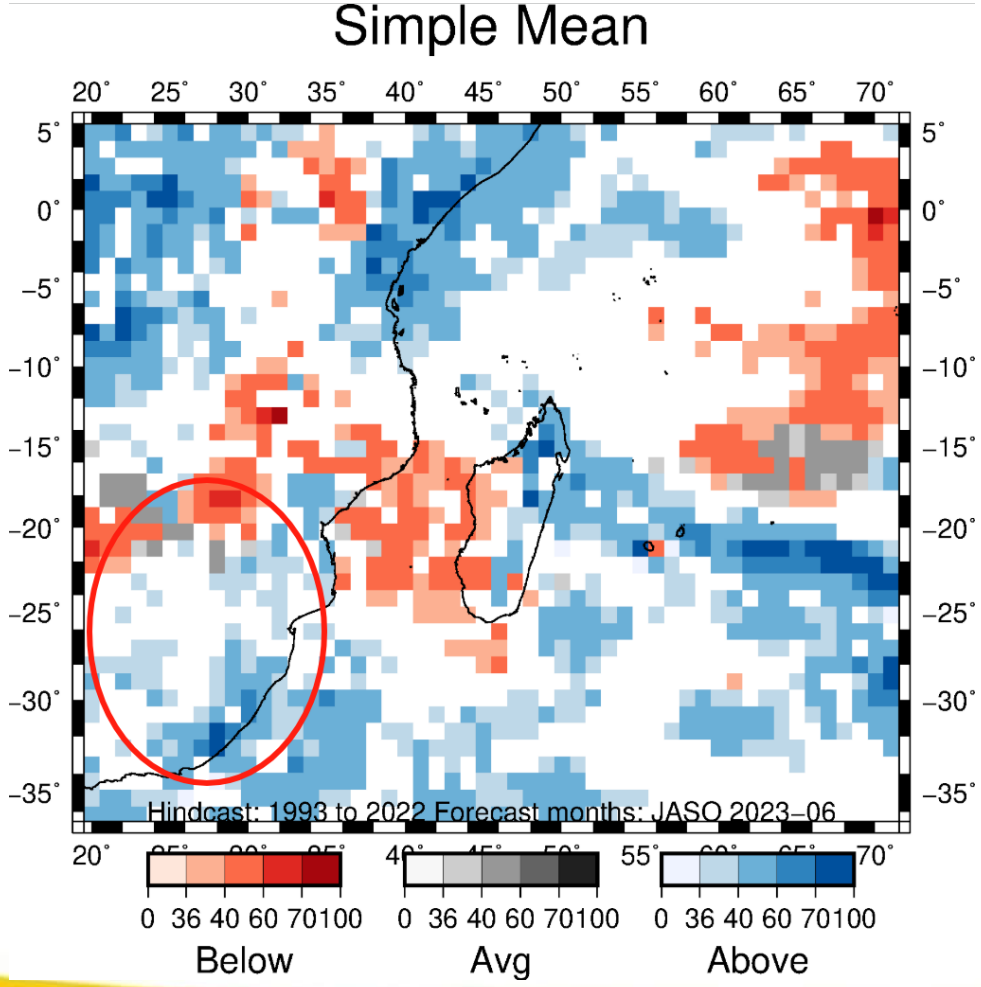
SWIO SR Model Suggestion

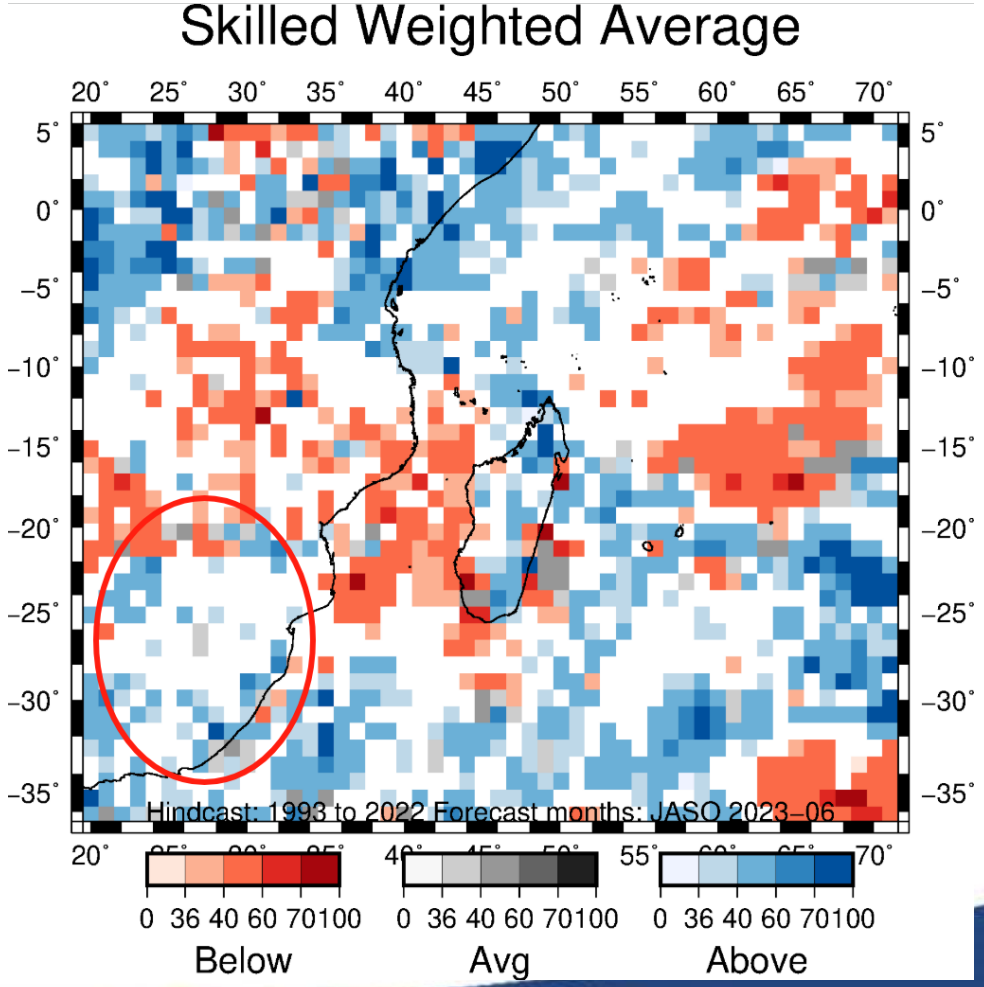


NW of SWIO

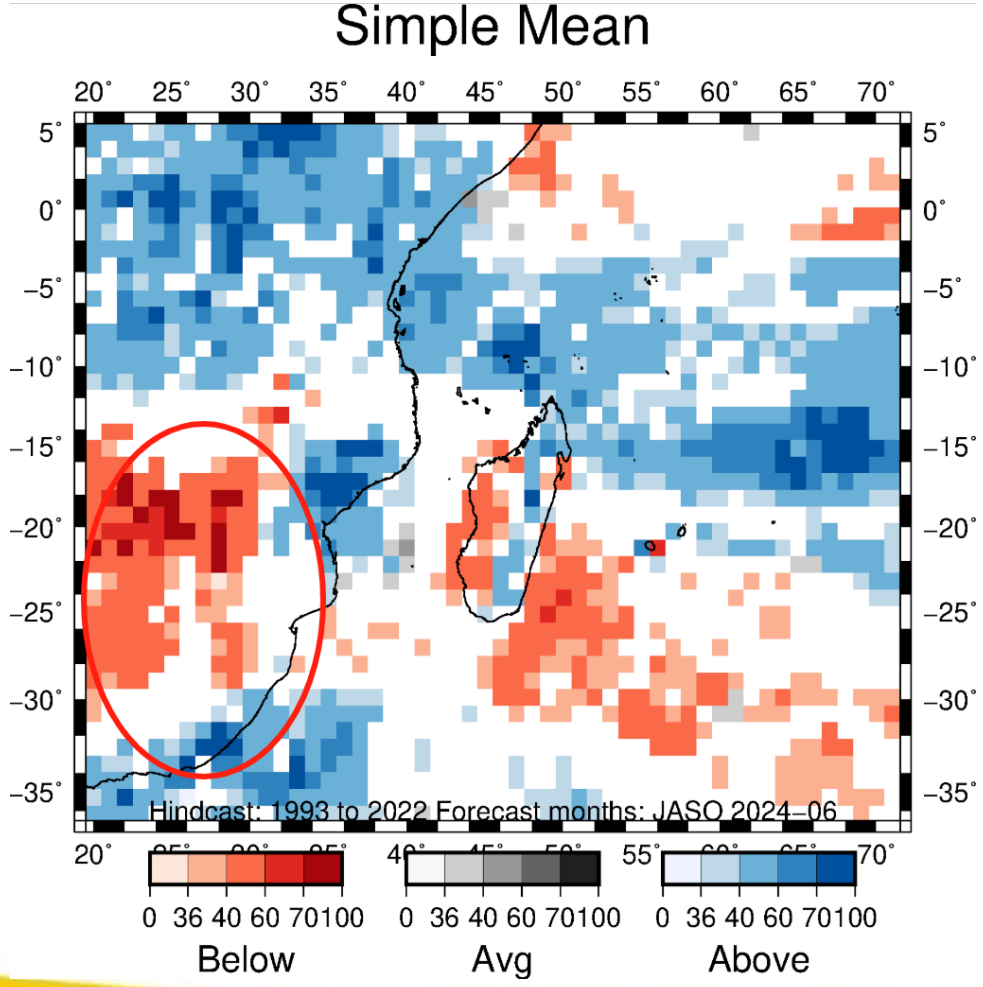
- ECMWF
- NASA
- UKMO
- Meteo-France
- DWD
- CMCC

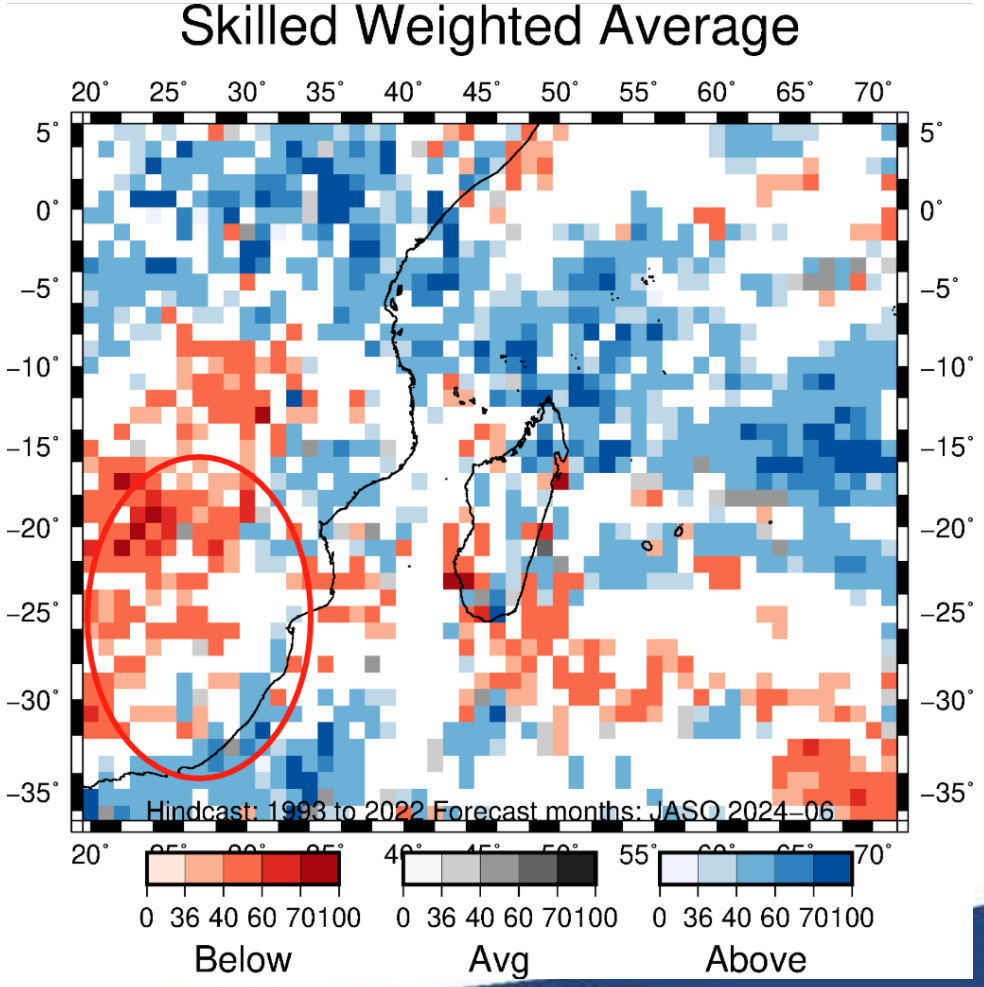
SWIO 2023 Performance-based



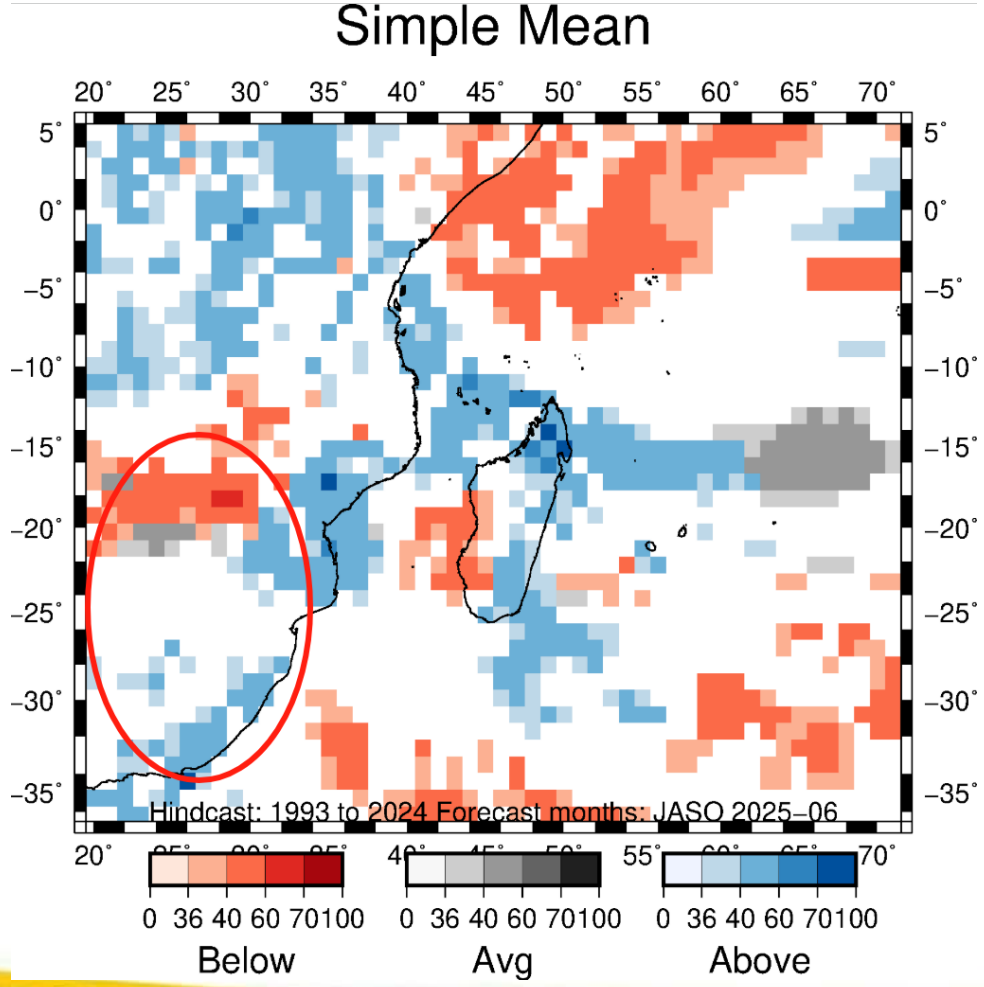


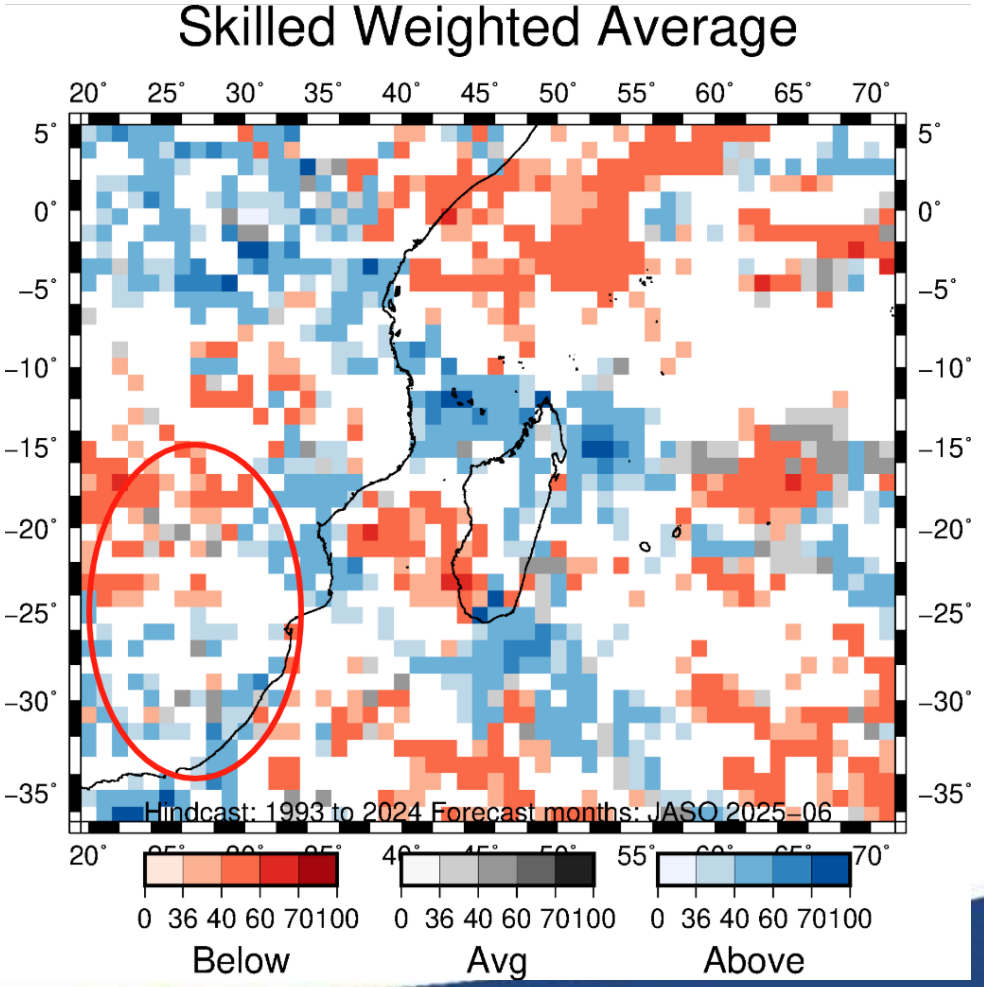
SWIO 2024 Performance-based





SWIO 2025 Performance-based






Regional Integrated Multi-Hazard Early Warning System
RIMES

Thank You !