General synthesis : MJJ 2020

WMO RA VI RCC Network

A) Oceanic forecast :

- **neutral ENSO situation** for the coming 3 months. Cold anomaly over the southeastern Pacific. Warmer than normal elsewhere.

- **IOD close to neutral** in the context of a general increase of SST north of 20°S. The Indian Ocean will still be the main active area for the next 3 months.

- **South tropical Atlantic** still significantly warmer than climatology. ECMWF forecasts a cold water tongue but not MF7.

B) Atmospheric circulation :

- Upward velocity potential over the Indian Ocean Pacific. Downward potential velocity over Western Pacific.

- Little signal over the northern hemisphere. High geopotential values from Siberia to Bering Strait.

- Weak and inconsistent signal over the North Atlantic and Europe.

=> Most likely conditions :

- Wet conditions over Maritime Continent and Australia. Dry over southern Africa and Madagascar.

- Beginning of African monsoon below normal over the Gulf of Guinea

- **over Europe** : no scenario over western and northwestern Europe. Rather hot on the rest of the continent. Little signal for the precipitation.

Next bulletin : scheduled on May 20th

Modes of variability : forecast

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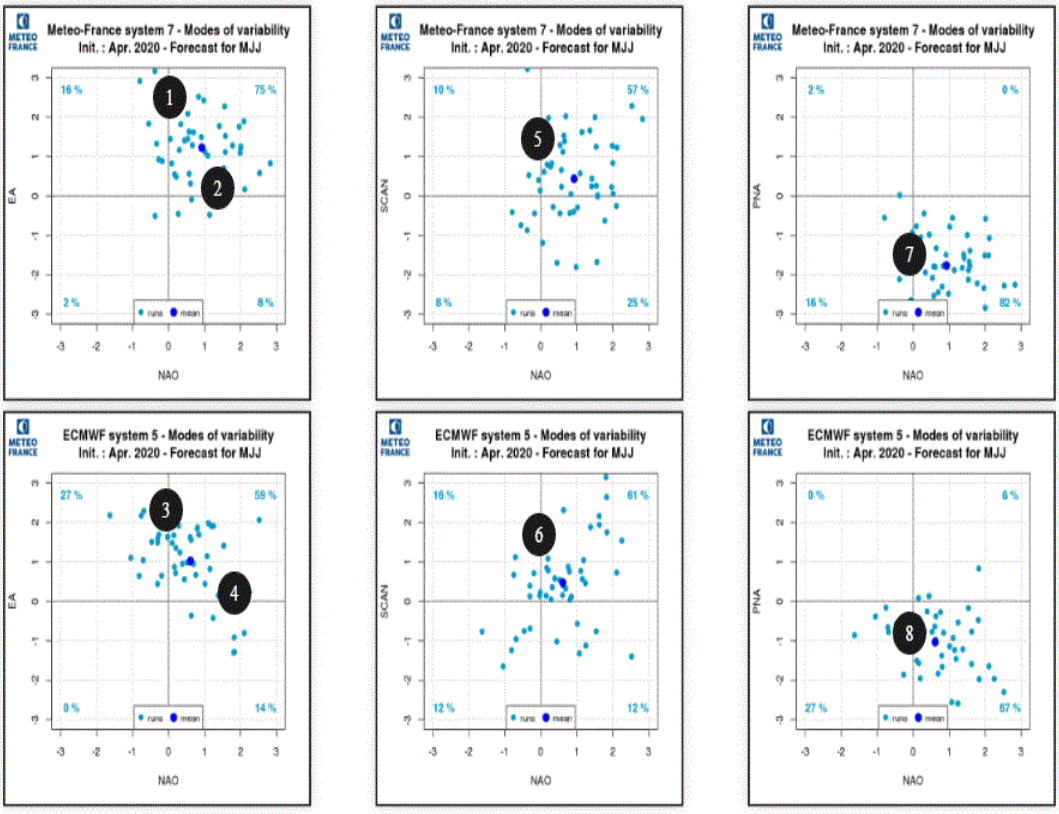
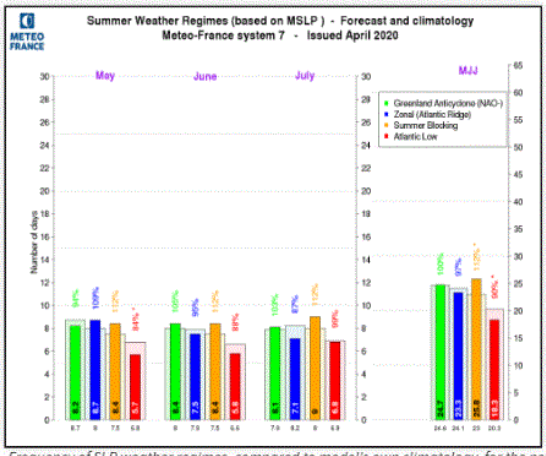
Both models suggest a high probability of positive NAO mode (probably linked to climate change), positive EA mode (high values of normalised fields). Positive SCAN is also favored but this mode has poor scores for April initialisation.

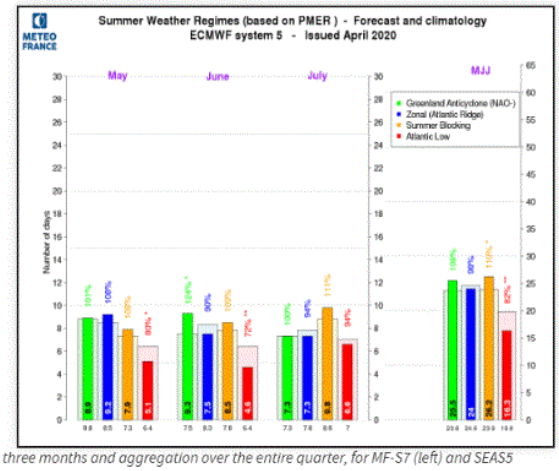


see the modes of variability patterns

Weather regimes : summer MSLP

Consitent with there MSLP field, both models favor summer blocking at the expense of Atlantic low.

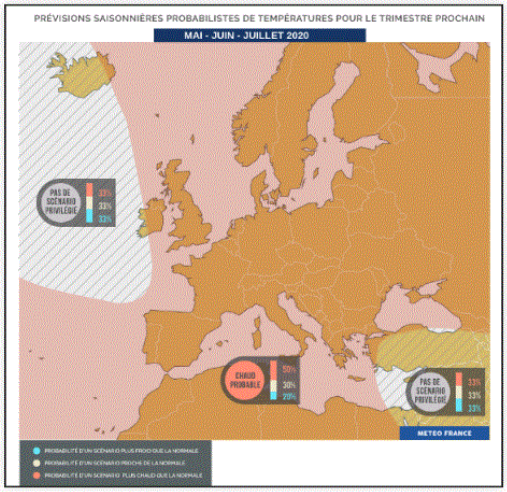




Frequency of SLP weather regimes, compared to model's own climatology, for the next three months and aggregation over the entire quarter, for MF-S7 (left) and SEAS5 (right).

Synthesis map for Europe : Temperature

The blocking summer regime which should dominate associated with the climate change context should lead to a warmer than normal quarter on the continent.



Synthesis map for Europe : Precipitation

By following a pattern of high MSLP values on the British Isles (summer blockage weather regime), the northwest of the continent could experience a drier than normal period. Elsewhere, diverse influences do not lead to any dominant scenario.