

Seasonal Forecasts

DWD

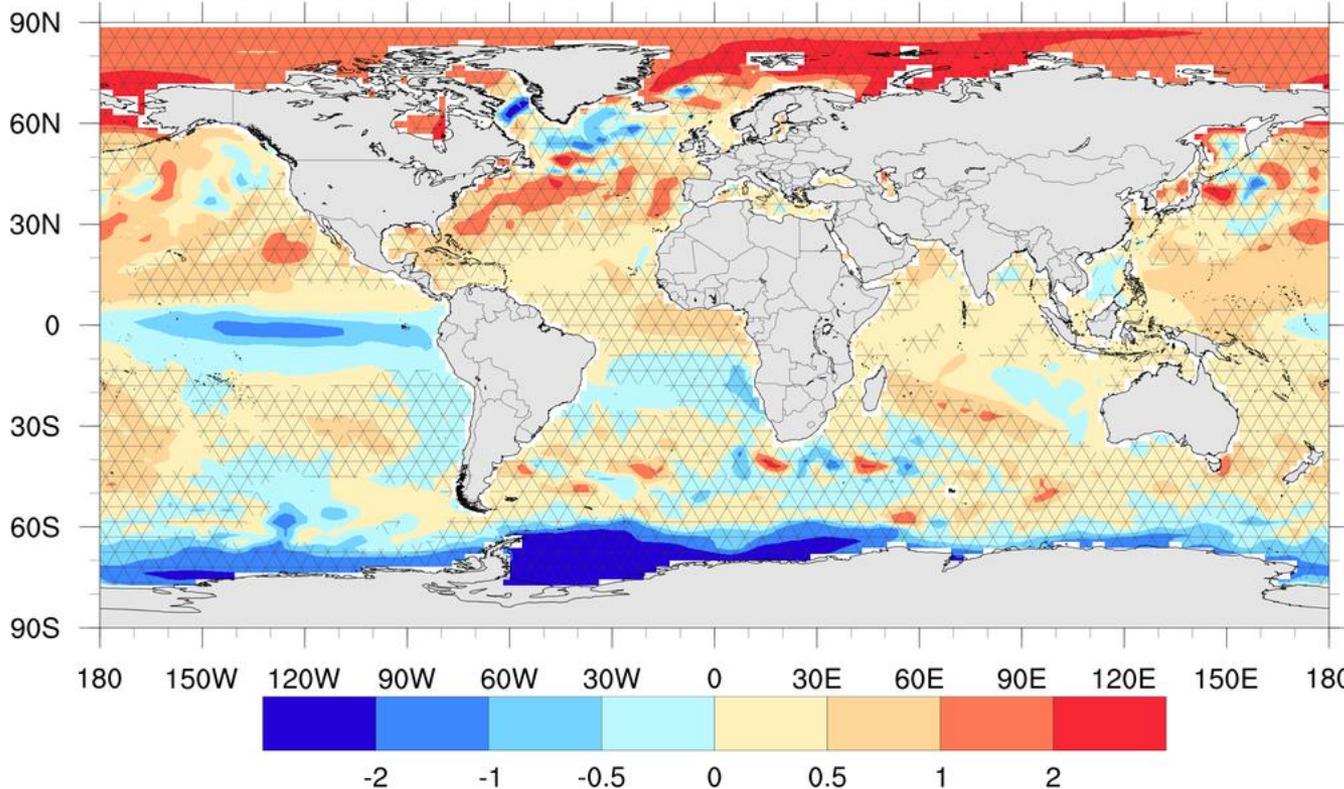
Winter 2017/18

Peter Bissolli, Kristina Fröhlich

GPC outlook

Ensemble mean anomaly
wrt 1981-2014
Sea surface temperature

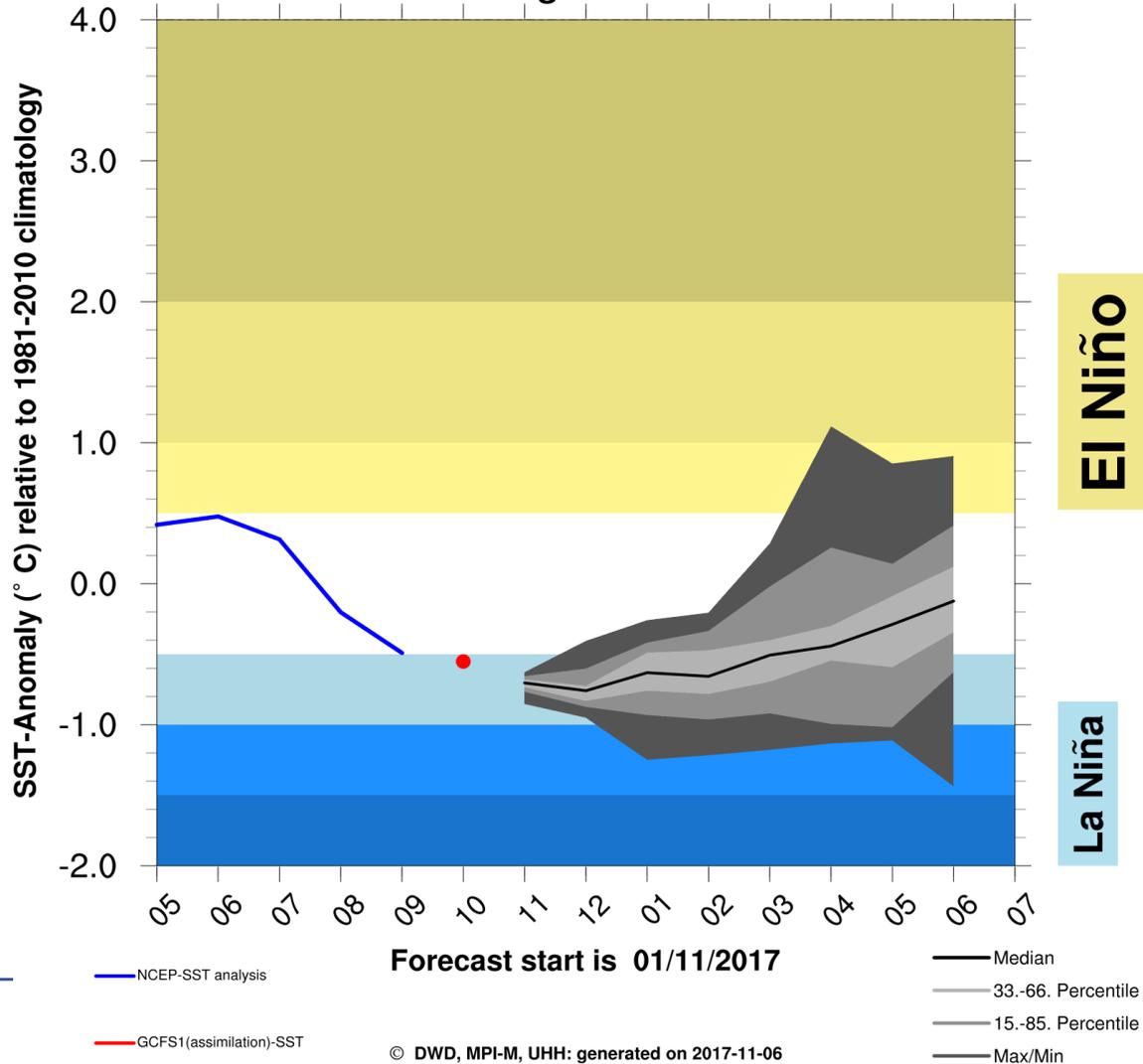
GCFS1 Forecast
DecJanFeb (month 2-4)
Start at 01/11/2017



Anomaly [$^{\circ}$ C], non-hatched regions indicate a better predictive skill

- La Niña conditions
- Warm tropical and subtropical North Atlantic
- Cold blob persisting, but warm eastern extratropical North Atlantic
- Slightly warmer-than-normal Mediterranean, Black Sea, Caspian Sea
- Warm Indian Ocean in NH

GCFS1 Forecast Anomalies of Sea Surface Temperature (SST) for Niño 3.4 Region

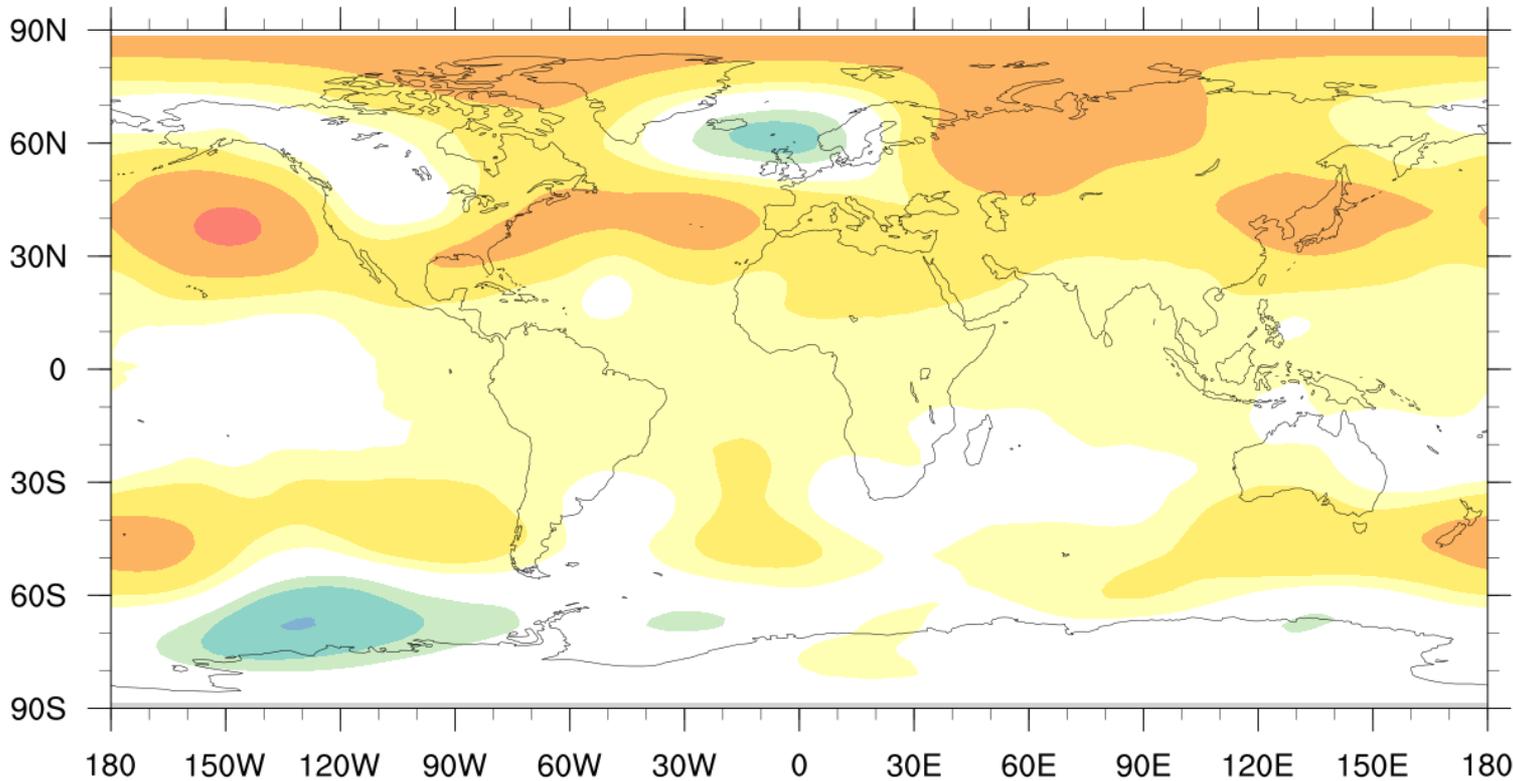


→ Weak La Niña

Geopotential

geopotential Height
anomaly (wrt 1981-2014)

DecJanFeb Forecast
with start at 01/11/2017



- ➔ EA+
- ➔ East Europ. Blocking
- ➔ High pressure over Mediterr.

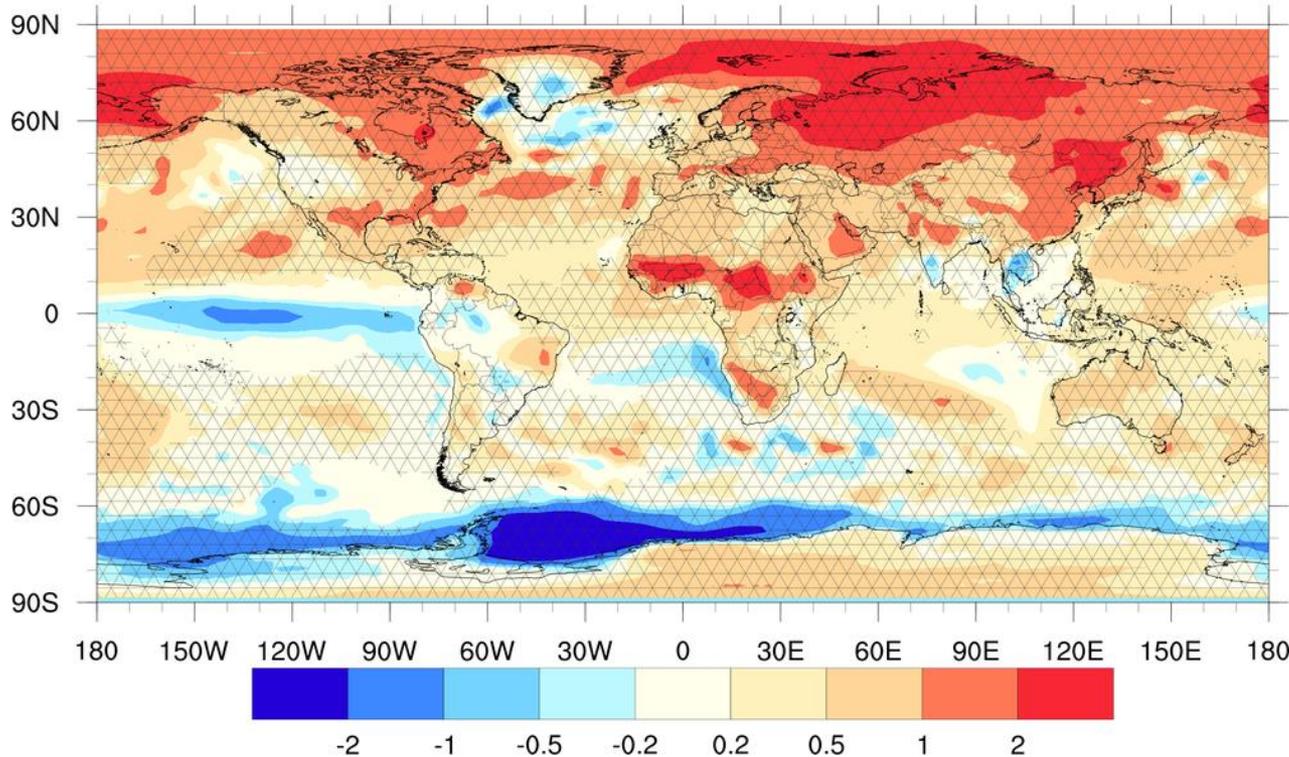


Temperature

GPC outlook

**Ensemble mean anomaly
wrt 1981-2014**
Temperature in 2m height

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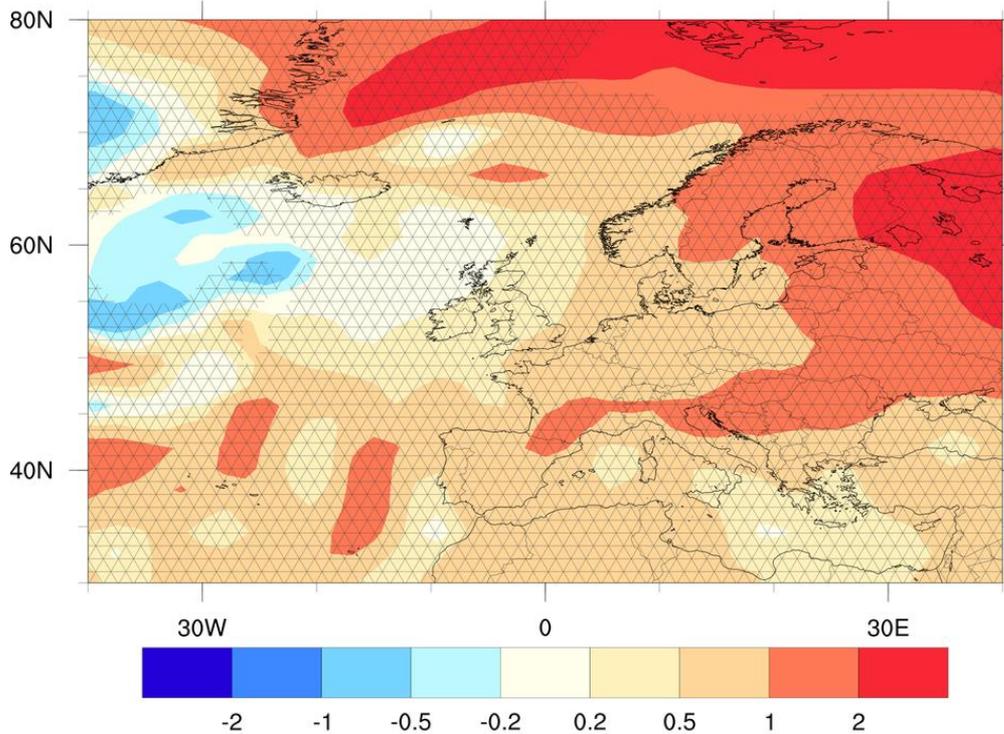
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Temperature

GPC outlook

**Ensemble mean anomaly
wrt 1981-2014**
Temperature in 2m height

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DecJanFeb (month 2-4)
Start at 01/11/2017



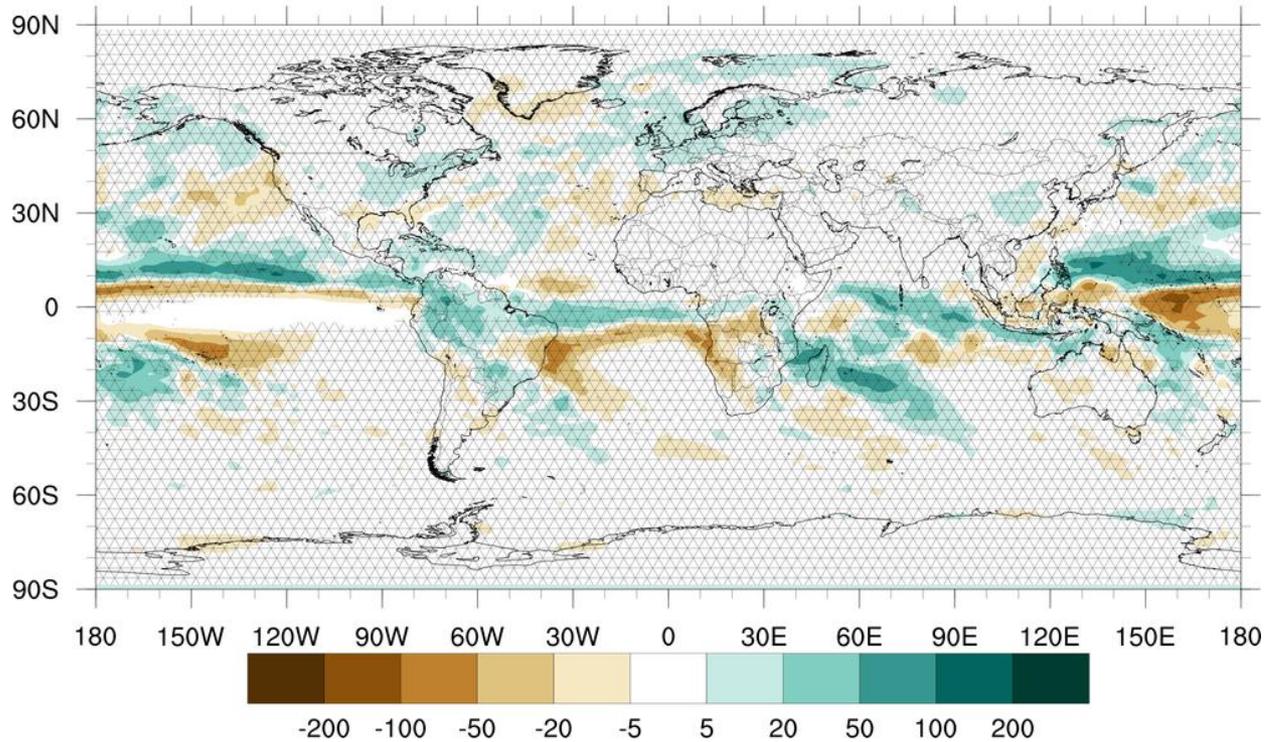
Anomaly [$^{\circ}$ C], non-hatched regions indicate a better predictive skill

Precipitation

GPC outlook

Ensemble mean anomaly
wrt 1981-2014 median
Total precipitation

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Anomaly [$^{\circ}$ C], non-hatched regions indicate a better predictive skill

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Precipitation

GPC outlook

Ensemble mean anomaly
wrt 1981-2014 median
Total precipitation

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Start at 01/11/2017

