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ASPIRE JAS 2019

From GPC forecasts initialised April

By: Issa Lele

ASPIRE Embedded Consultant

Forecasts are generated using predicted precipitation over 0E-360N; 30S to 30N in a CPT-CCA calibration to the West Africa region

Forecasts for JAS 2019 – initialised April (NMME)

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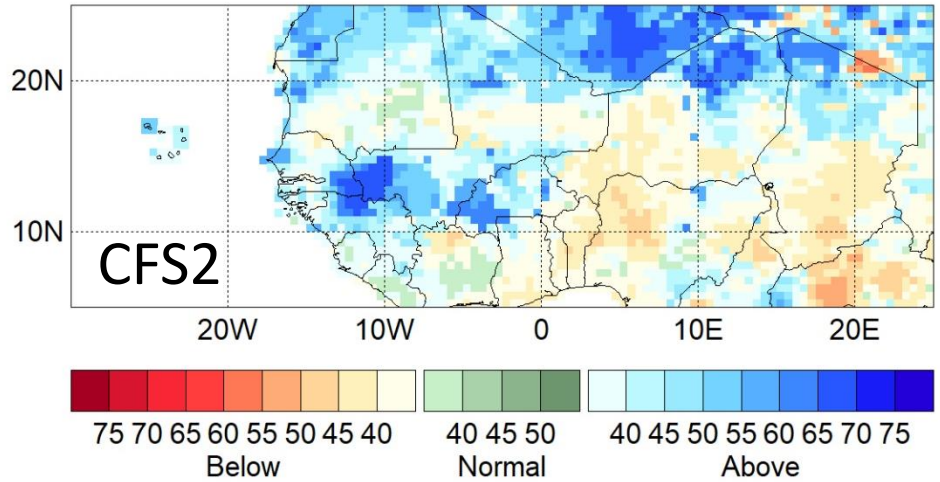
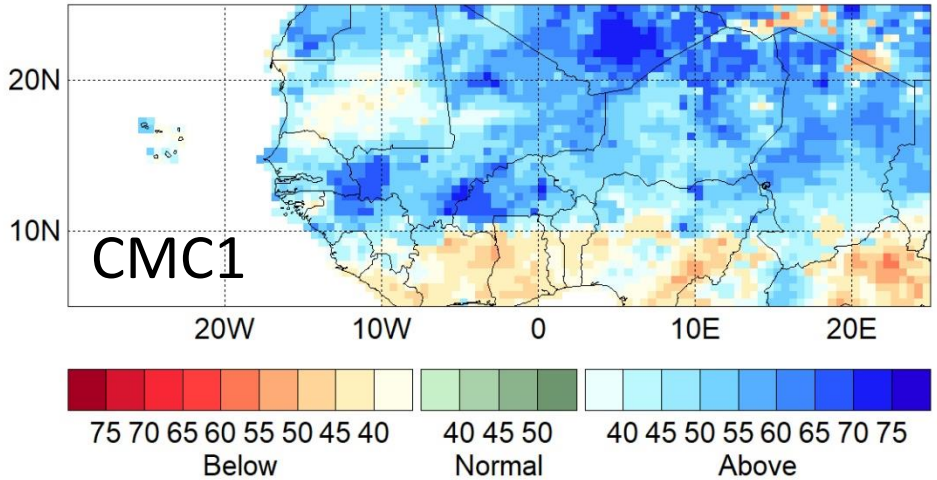
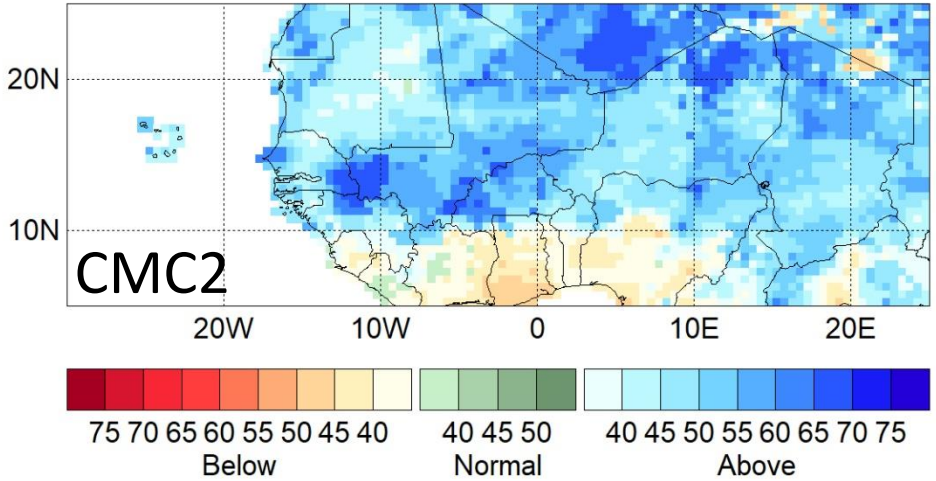
JAS 2019: cfs2aprJASppnCTchirps753p12



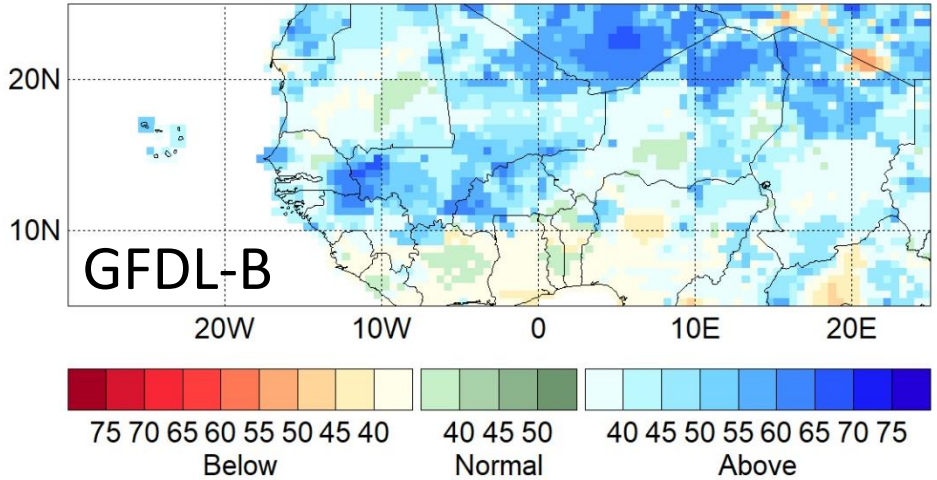
JAS 2019: cmc1aprJASppnCTchirps10103p21



JAS 2019 cmc2aprJASppnCTchirps1052p12



JAS 2019: gfdBaprJASppnCTchirps1053p29



Forecasts for JAS 2019 – initialised April (C3S)

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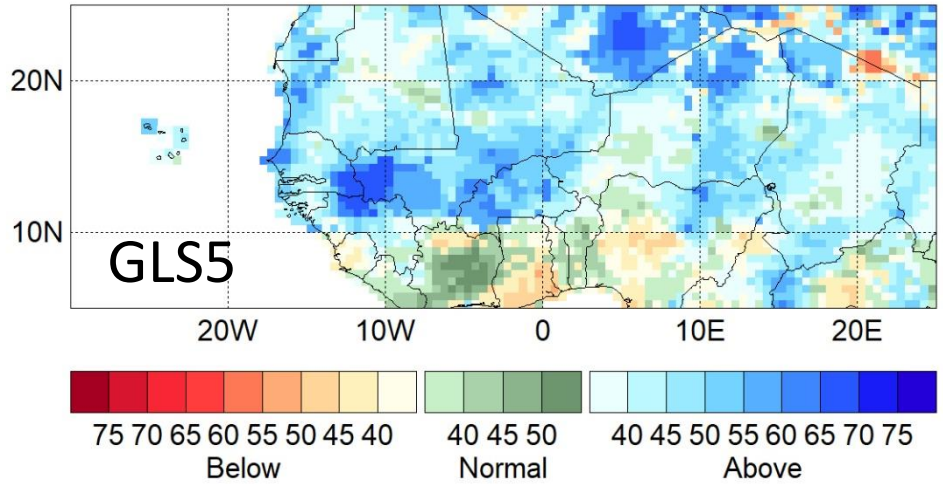
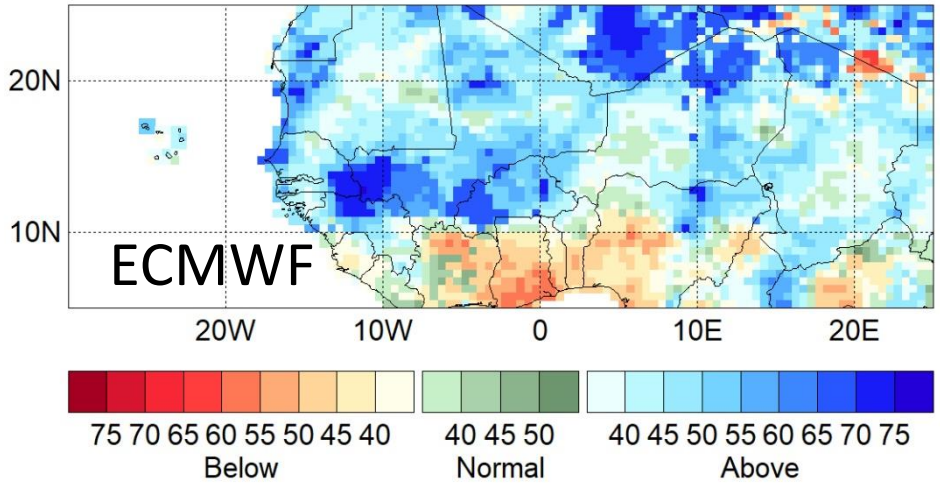
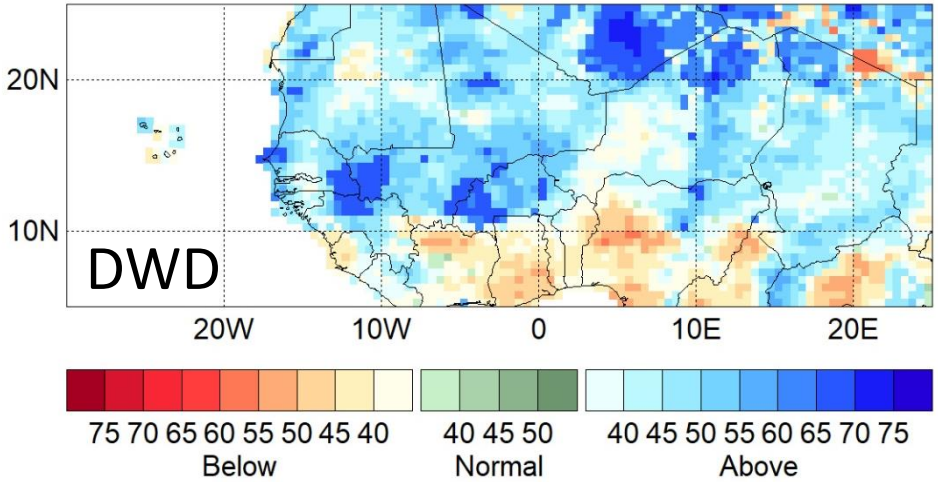
JAS 2019: gls5aprJASppnCTchirps222p18



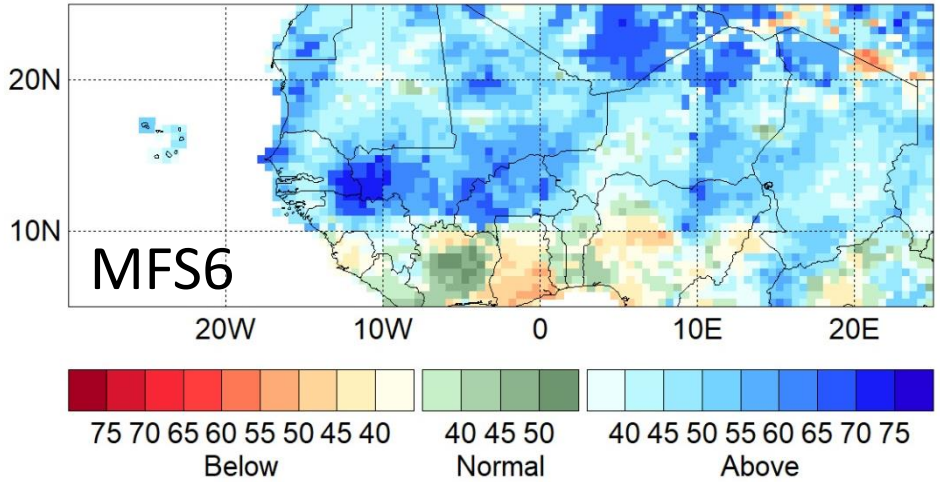
JAS 2019: ecmwaprJASppnCTchirps222p13



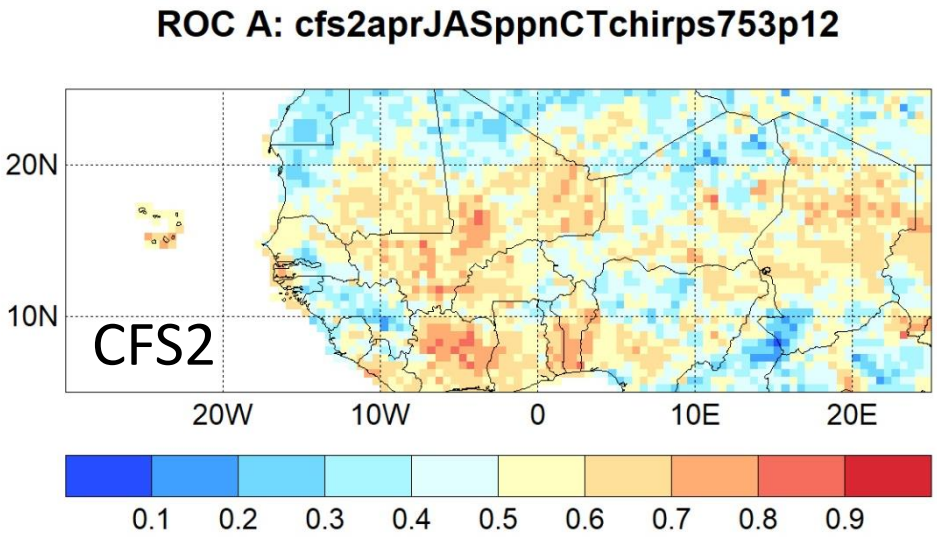
JAS 2019: dwd2aprJASppnCTchirps9101p10

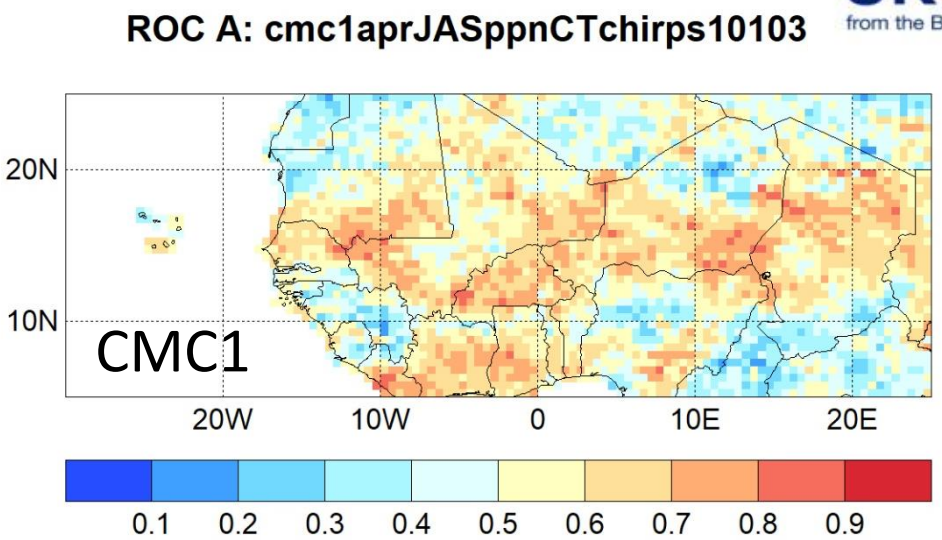


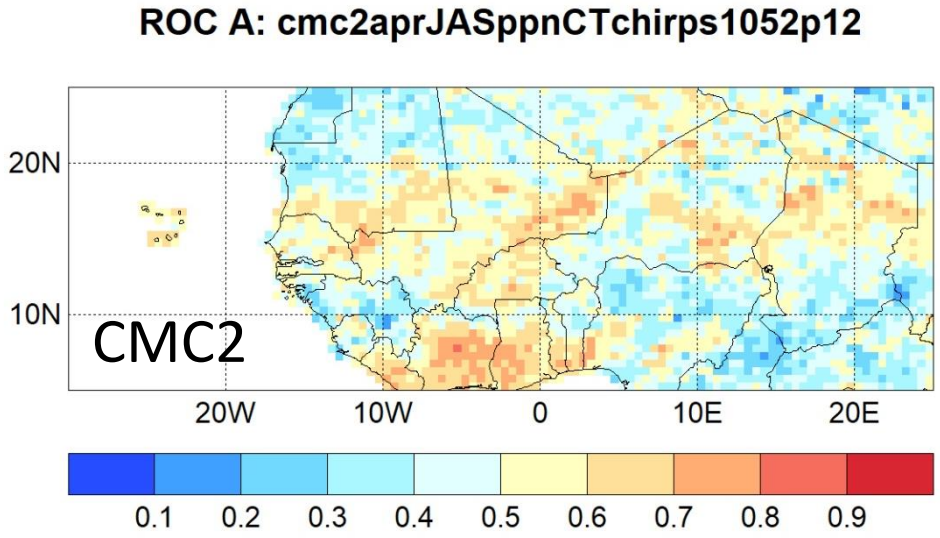
JAS 2019: mfs6aprJASppnCTchirps222p24

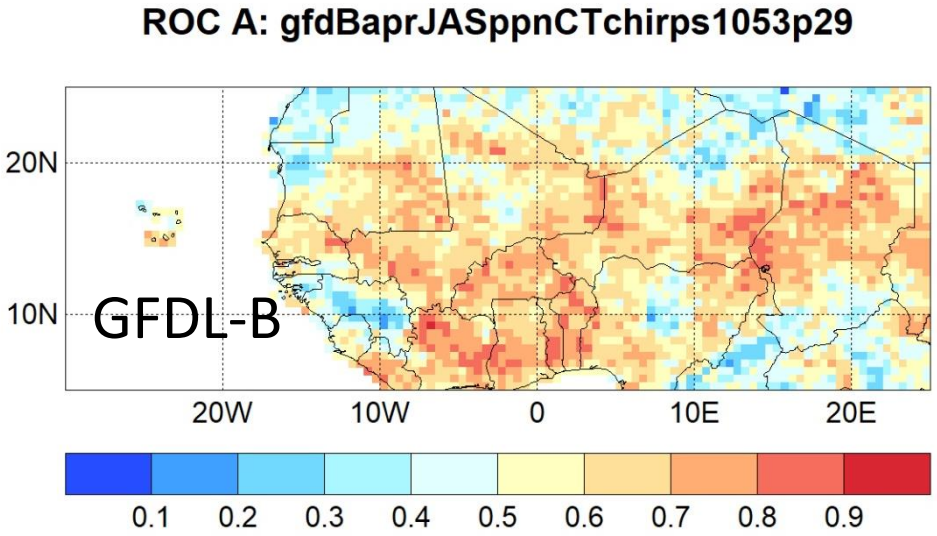


JAS skill for above normal – initialised April (NMME)

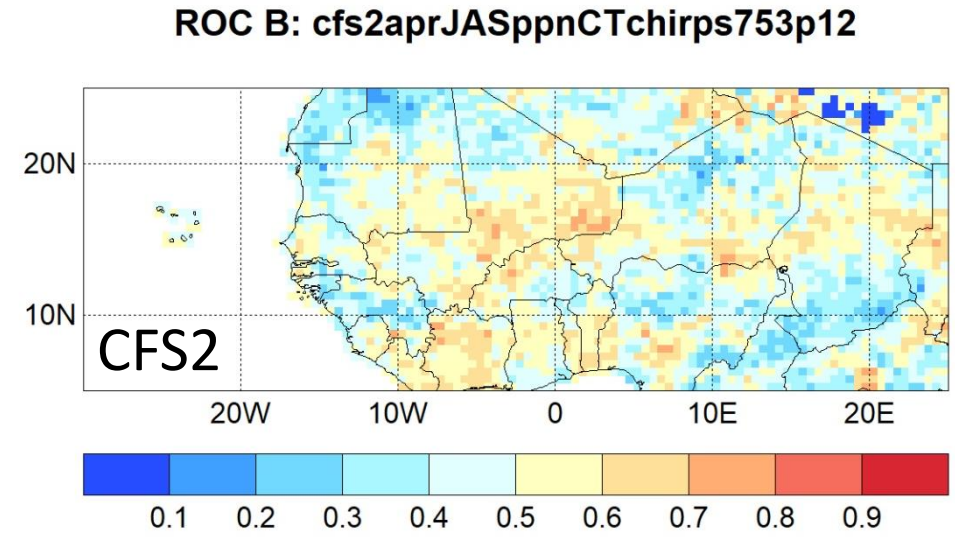


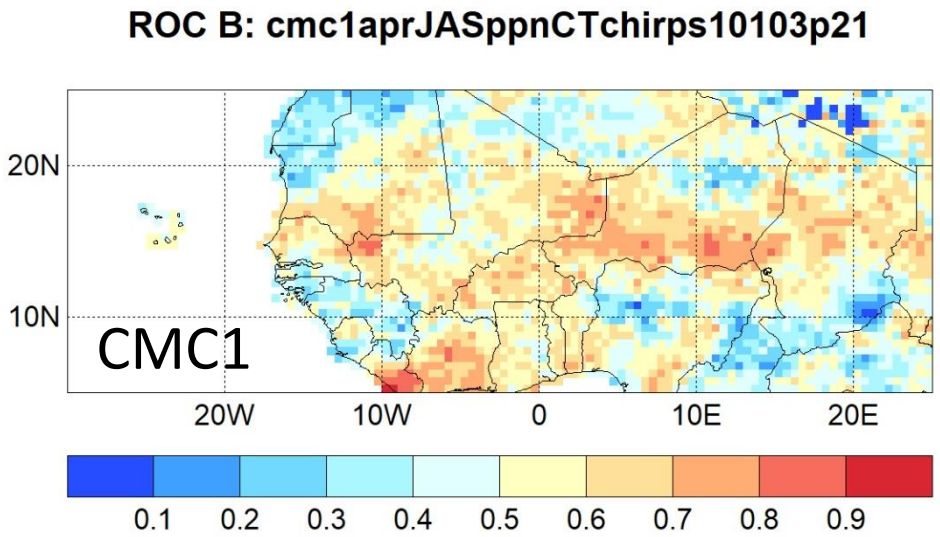


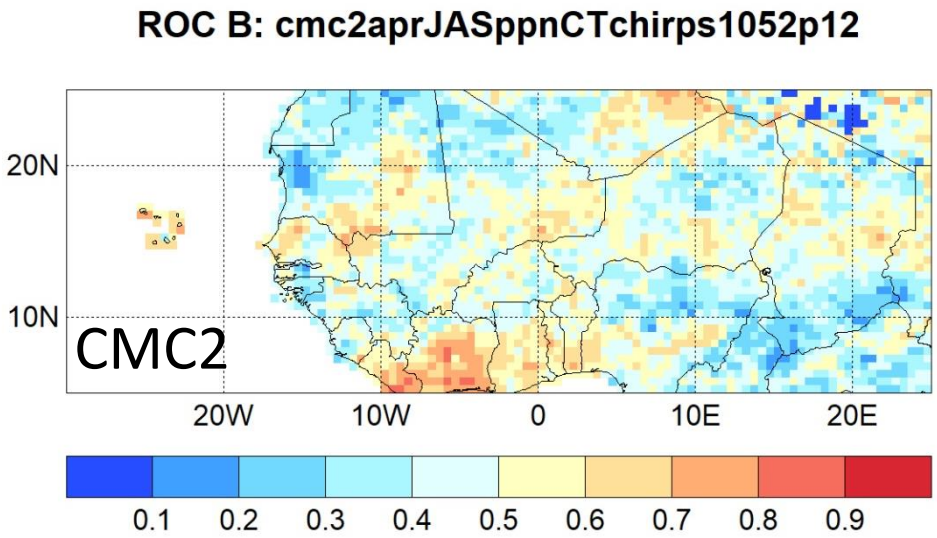


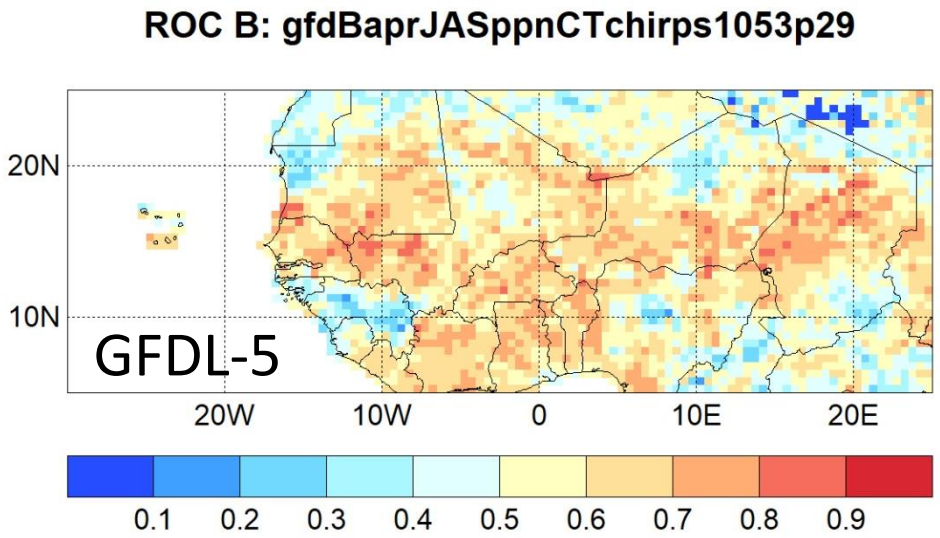


JAS skill for below normal – initialised April (NMME)

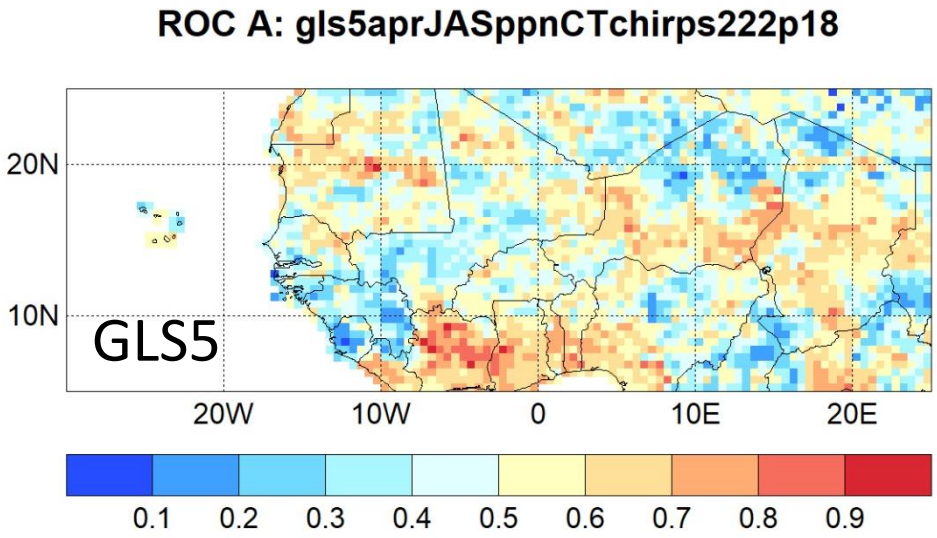


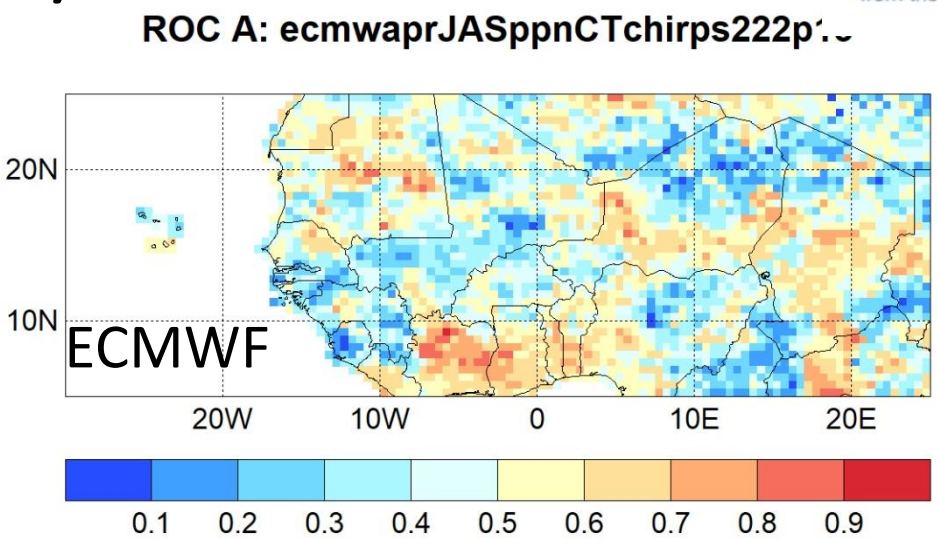


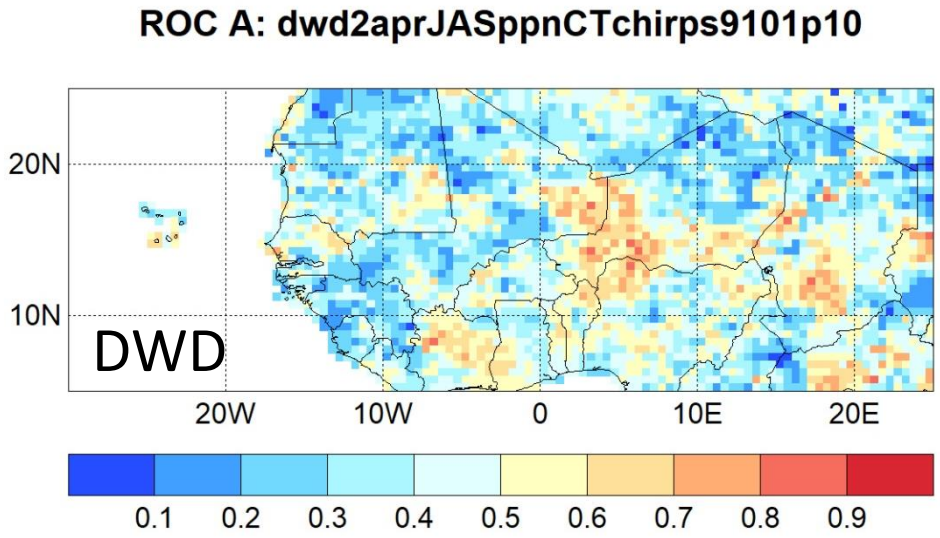


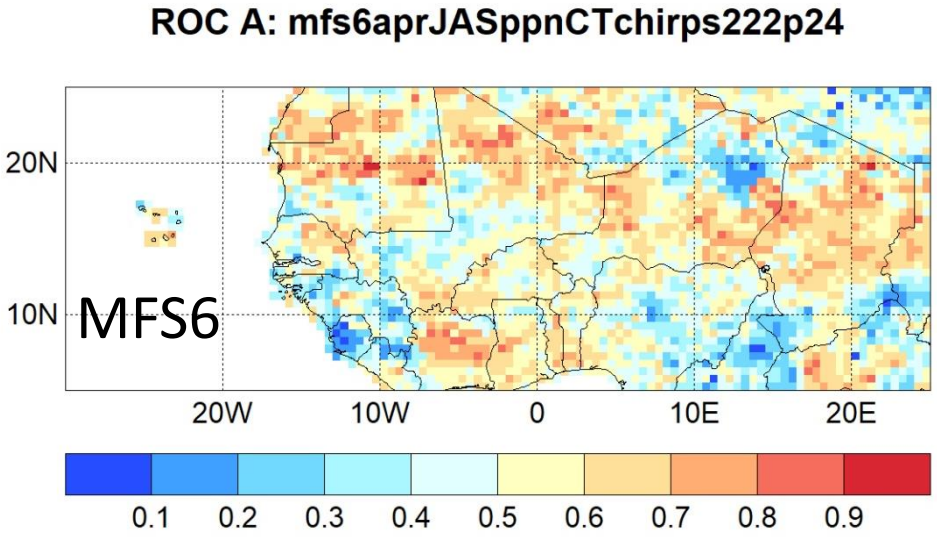


JAS skill for above normal – initialised April (C3S)









JAS skill for below normal – initialised April (C3S)

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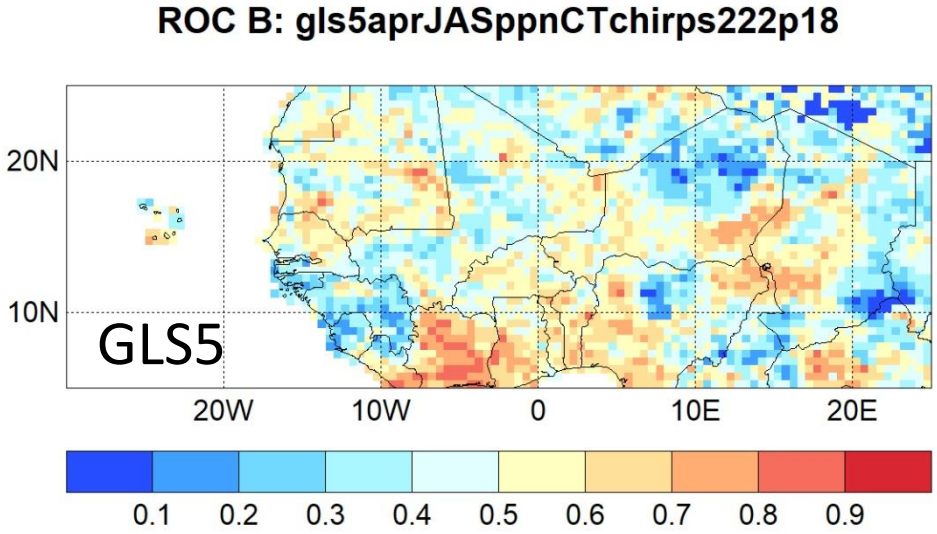

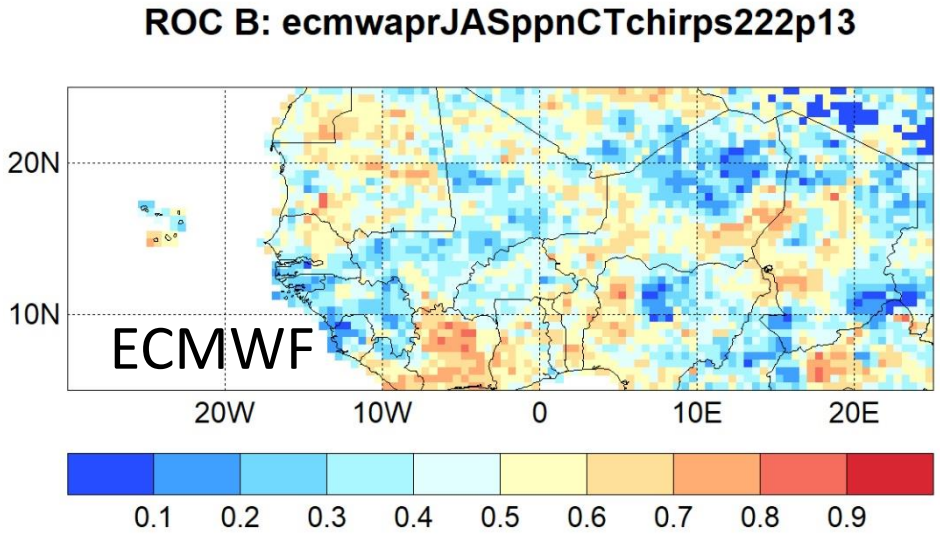

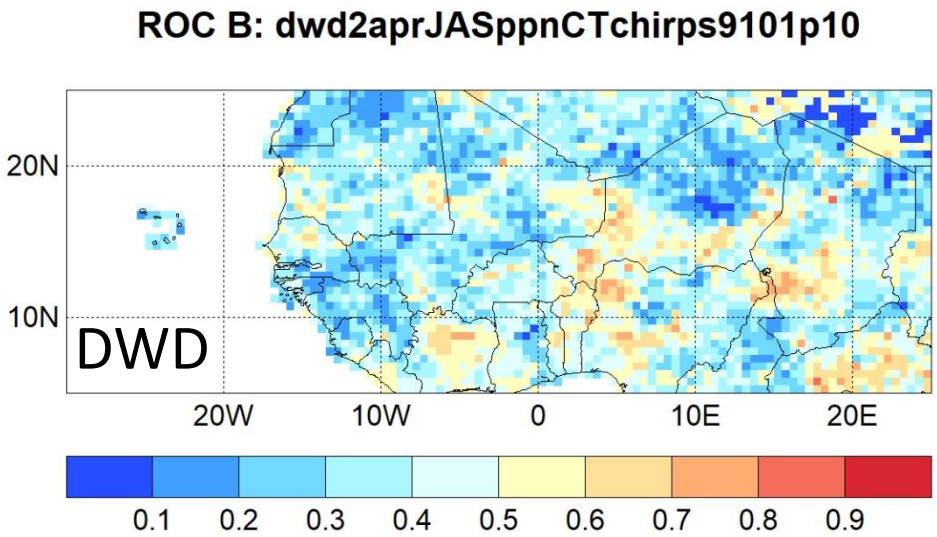

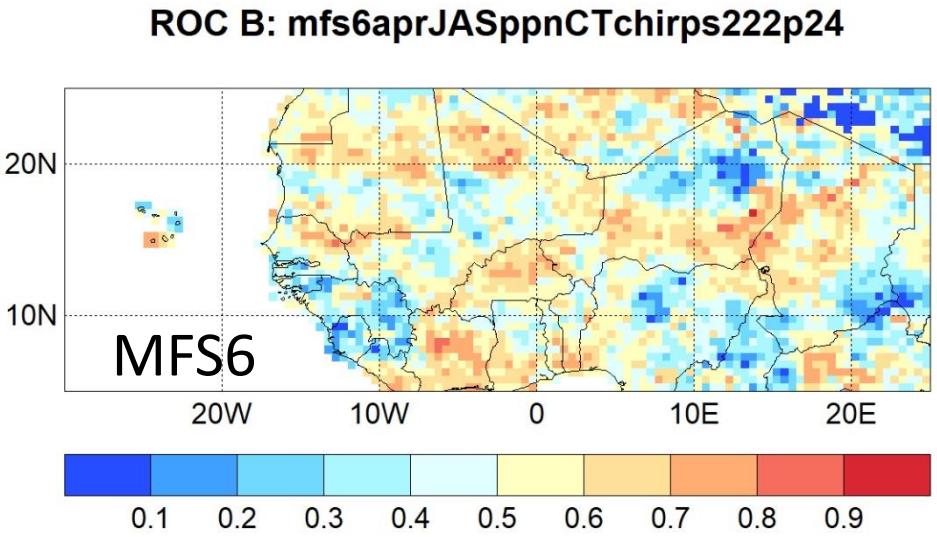

Multi-model of GFDL-B & CMC1 (most skilful of the 4 examined so far)

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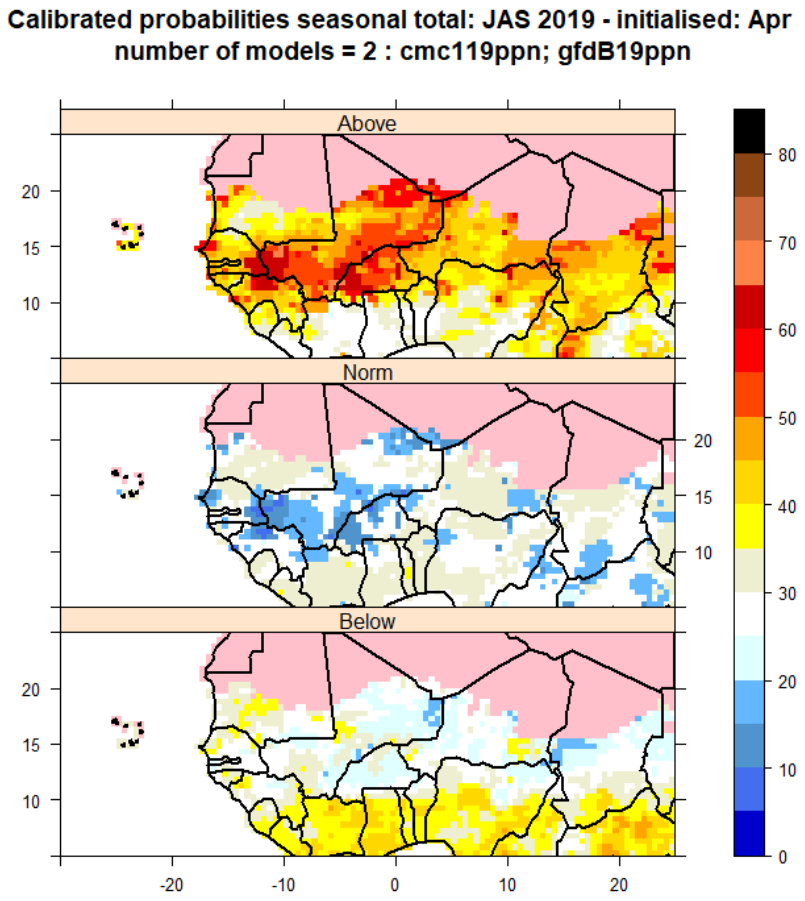
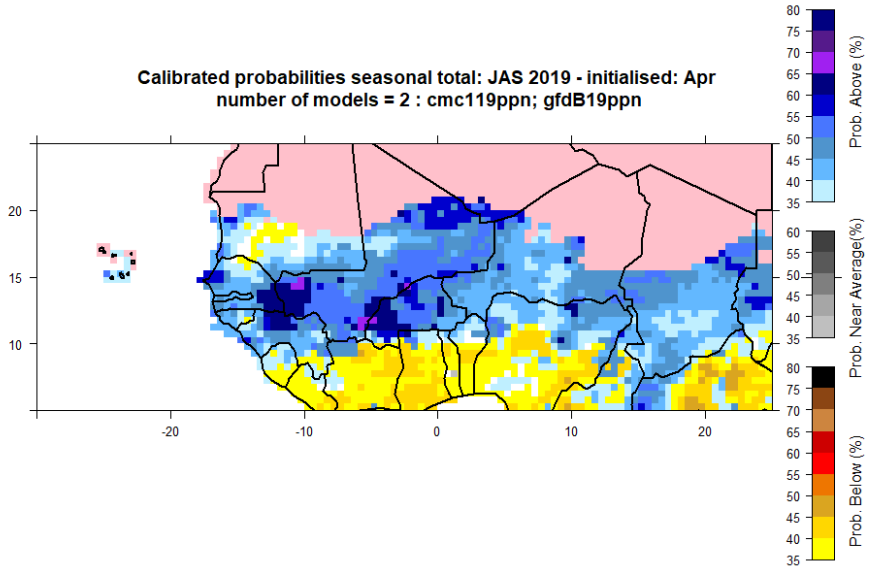
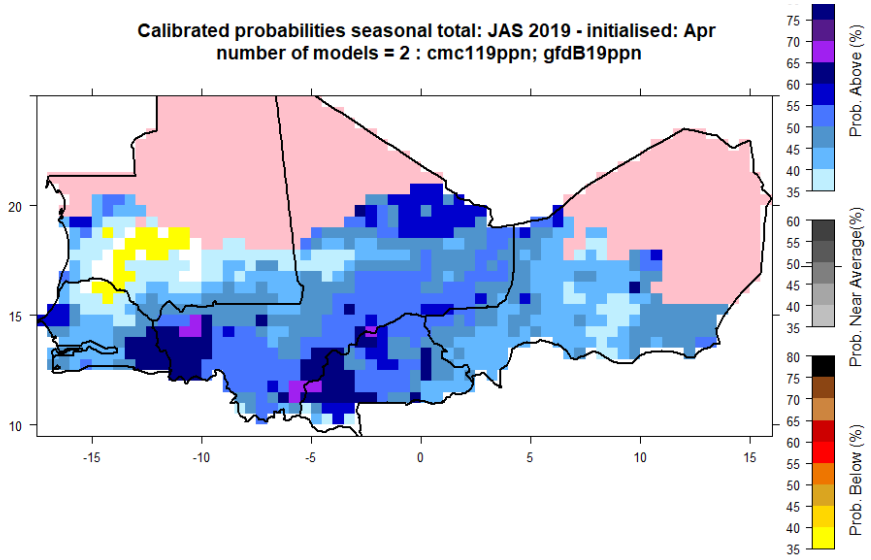
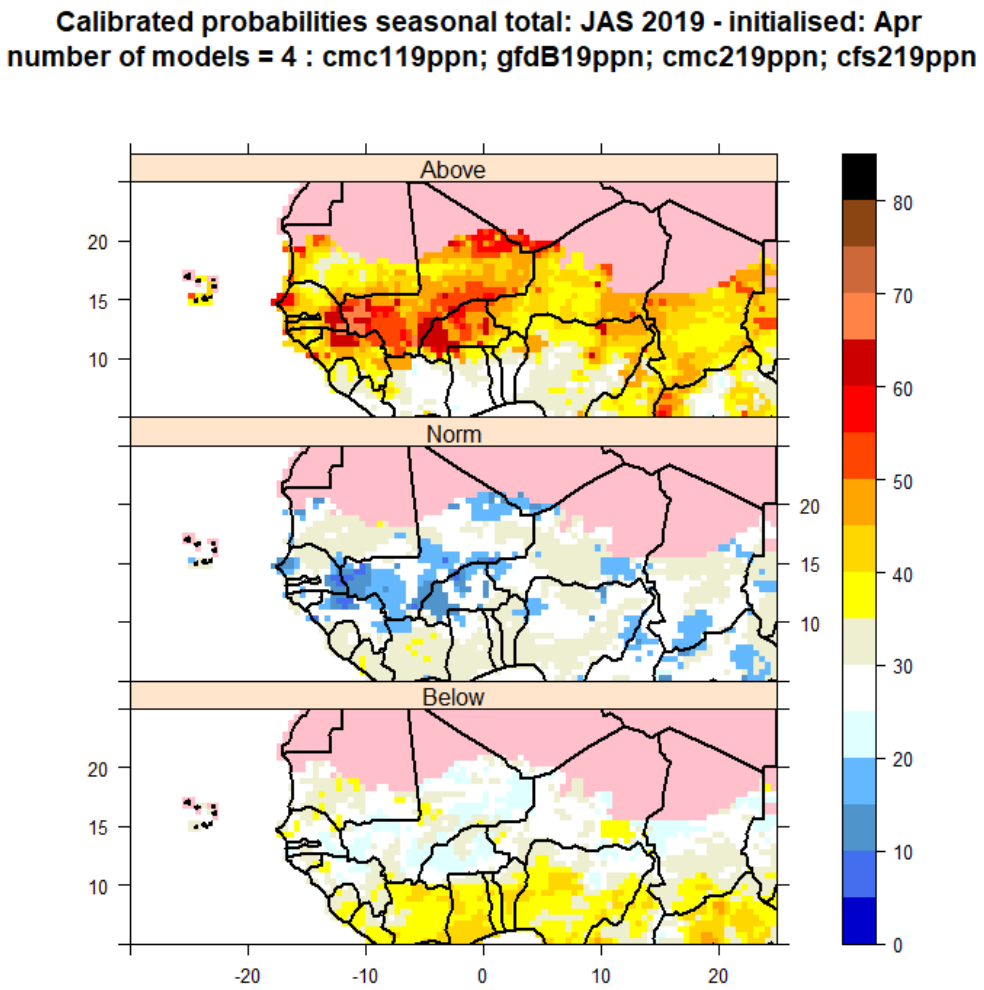
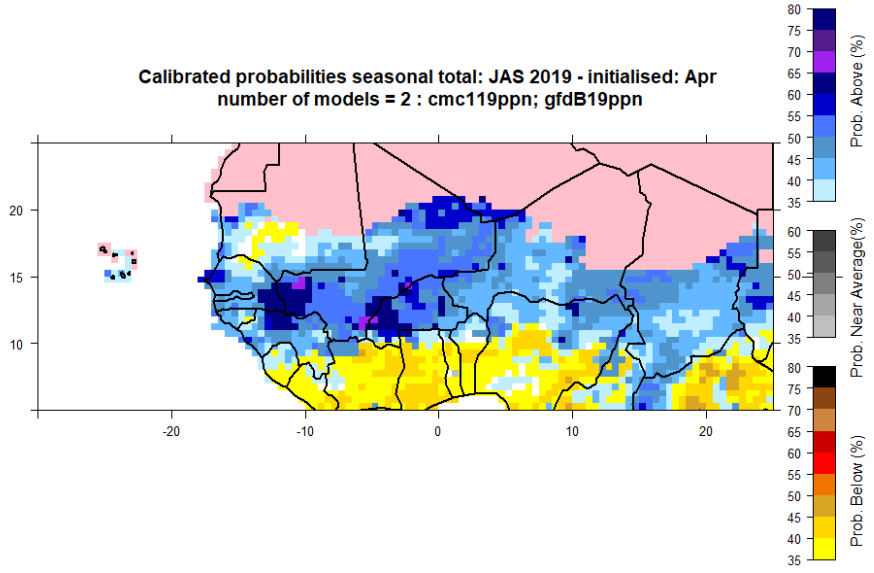


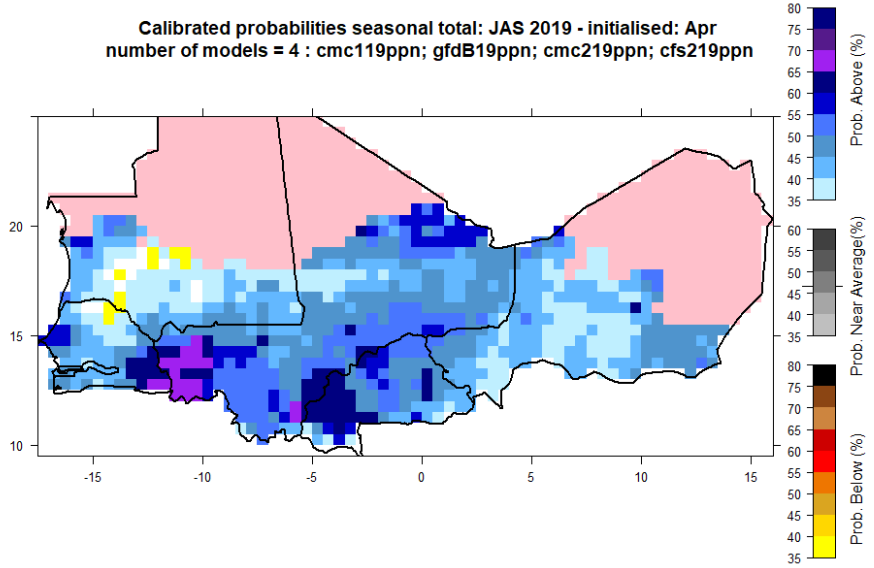




Multi-model of GFDL-B, CMC1, CMC2 and CFSv2







Multi-model of GLS5 and MFS6

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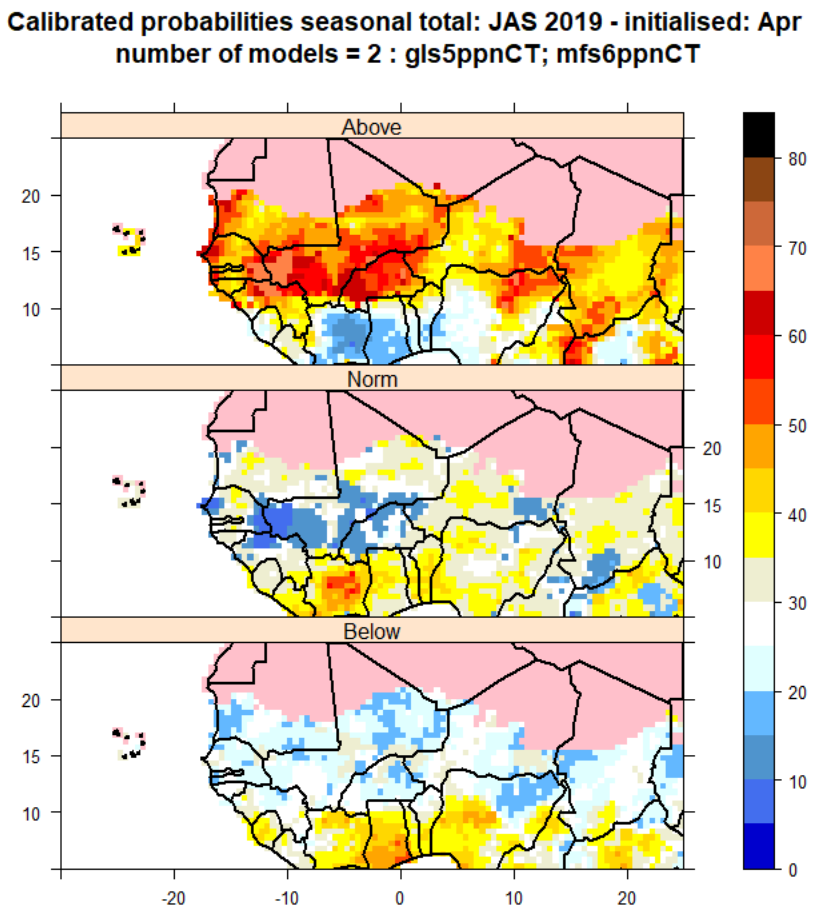

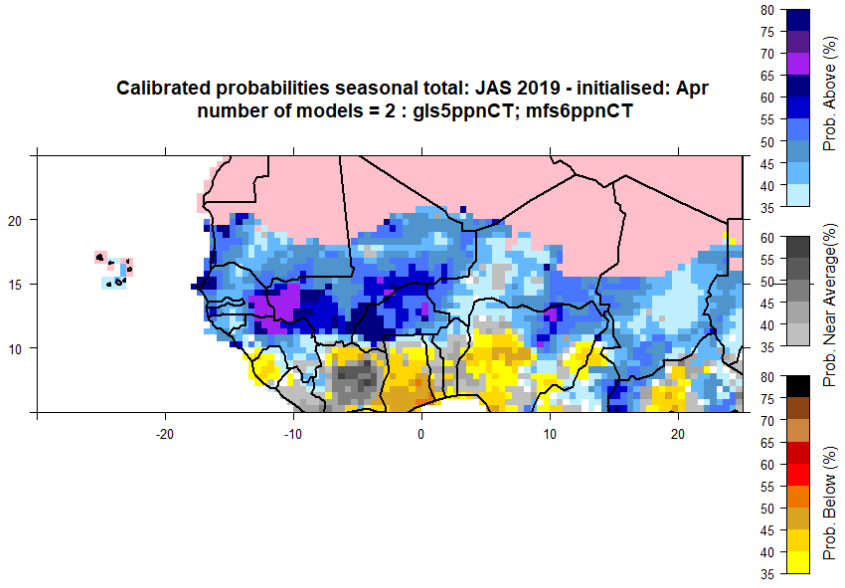

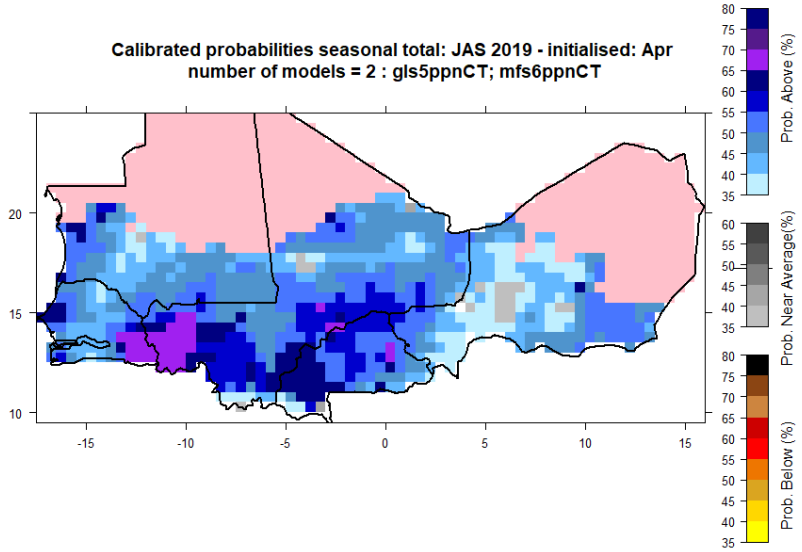

Multi-model of CFSv2, GFDL-B, CMC1, CMC2 GLS5 and MFS6

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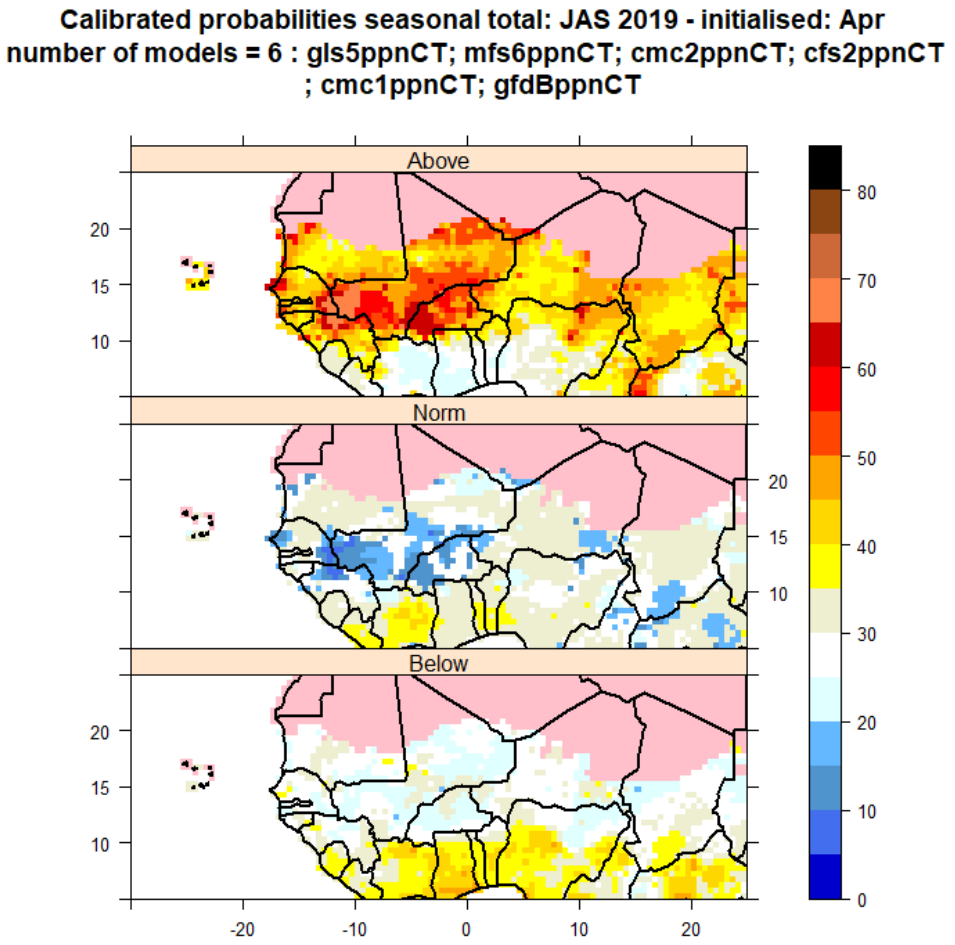

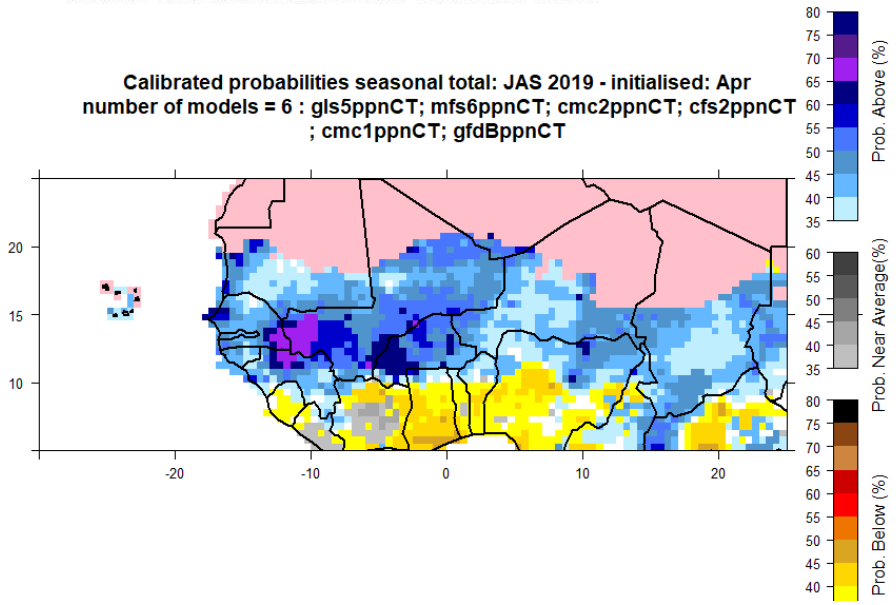

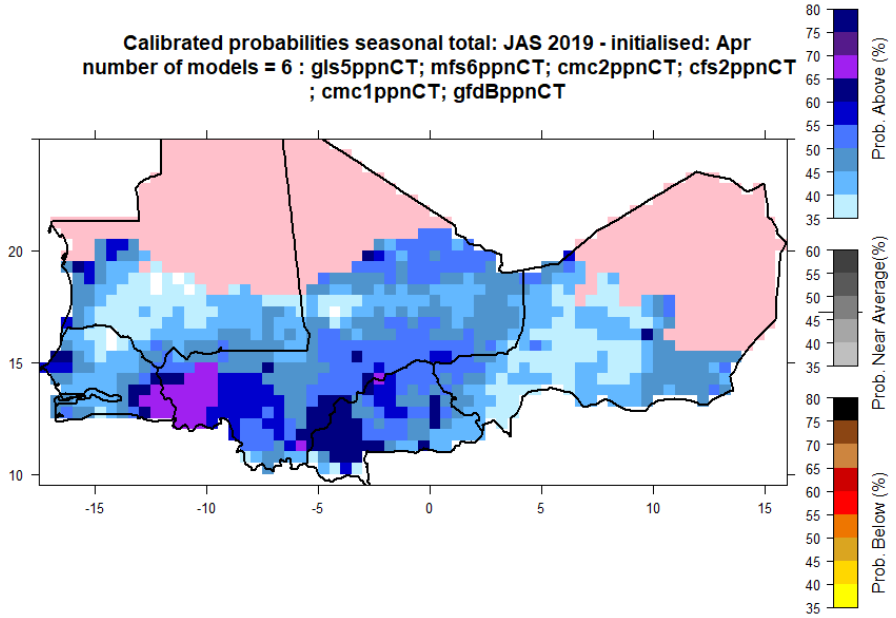

Summary

- Of models examined GFDL-B, CMC1, GLS5 & MFS6 are among most skilful
- Skill is best for the above normal category
- Probabilities favour above normal over most Sahel regions, below normal over Guinea Coast
- Generally good consistency across models