



ASPIRE JAS 2019

From GPC forecasts initialised April

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ASPIRE Embedded Consultant

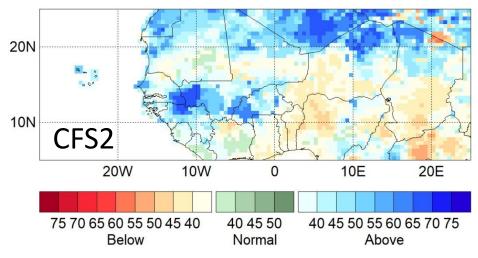
Forecasts are generated using predicted precipitation over 0E-360N; 30S to 30N in a CPT-CCA calibration to the West Africa region



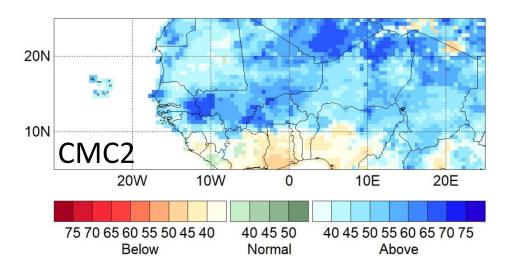
Forecasts for JAS 2019 – initialised April (NMME)



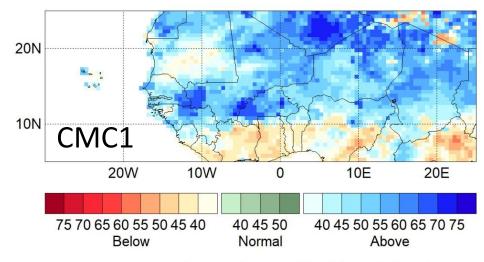
JAS 2019: cfs2aprJASppnCTchirps753p12



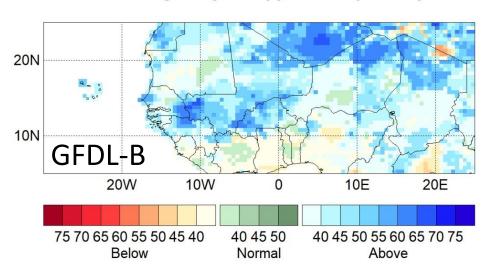
JAS 2019 cmc2aprJASppnCTchirps1052p12



JAS 2019: cmc1aprJASppnCTchirps10103p21



JAS 2019: gfdBaprJASppnCTchirps1053p29

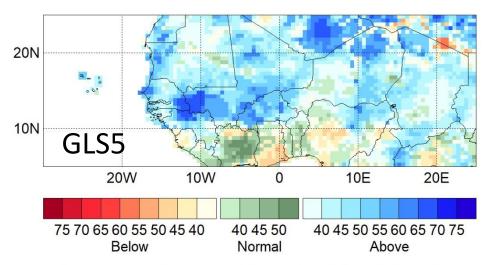




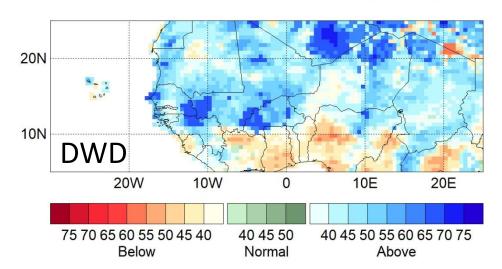
Forecasts for JAS 2019 – initialised April (C3S)



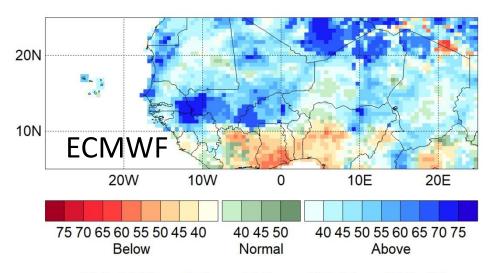
JAS 2019: gls5aprJASppnCTchirps222p18



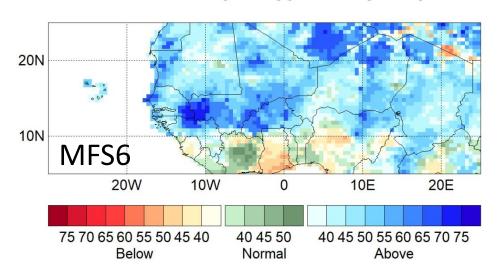
JAS 2019: dwd2aprJASppnCTchirps9101p10



JAS 2019: ecmwaprJASppnCTchirps222p13



JAS 2019: mfs6aprJASppnCTchirps222p24





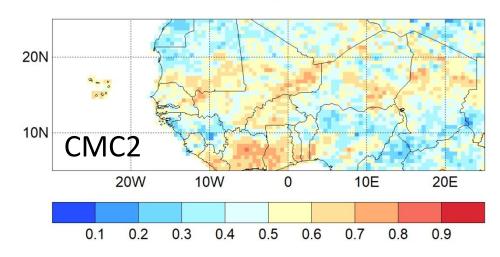
JAS skill for above normal – initialised April (NMME)



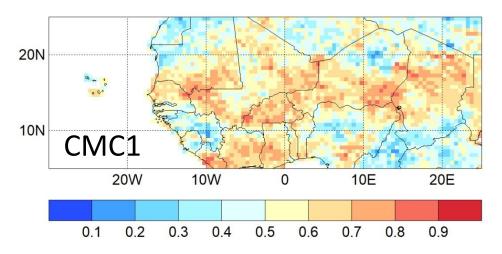
ROC A: cfs2aprJASppnCTchirps753p12

20N CFS2 20W 10W 0 10E 20E 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

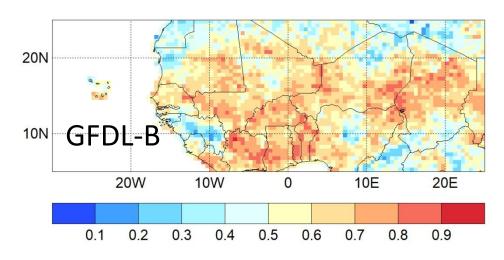
ROC A: cmc2aprJASppnCTchirps1052p12



ROC A: cmc1aprJASppnCTchirps10103



ROC A: gfdBaprJASppnCTchirps1053p29

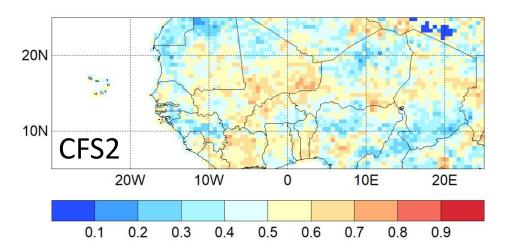




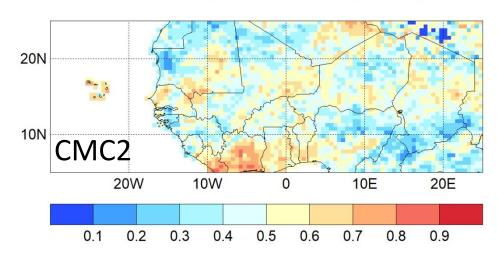
JAS skill for below normal – initialised April (NMME)



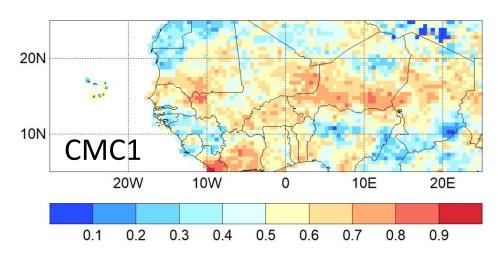
ROC B: cfs2aprJASppnCTchirps753p12



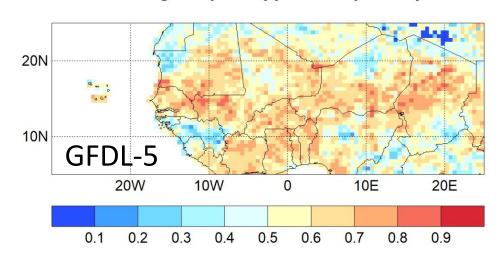
ROC B: cmc2aprJASppnCTchirps1052p12



ROC B: cmc1aprJASppnCTchirps10103p21



ROC B: gfdBaprJASppnCTchirps1053p29

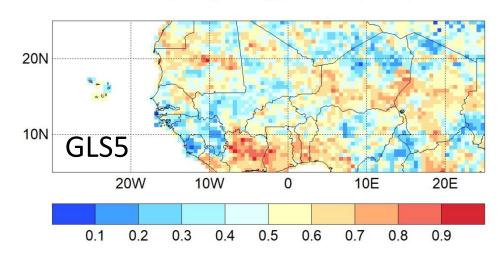




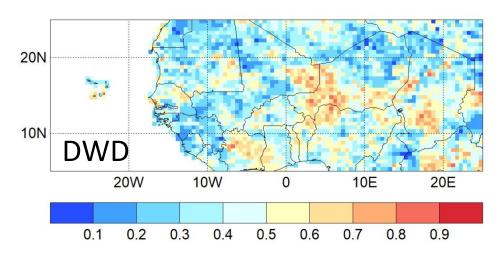
JAS skill for above normal – initialised April (C3S)



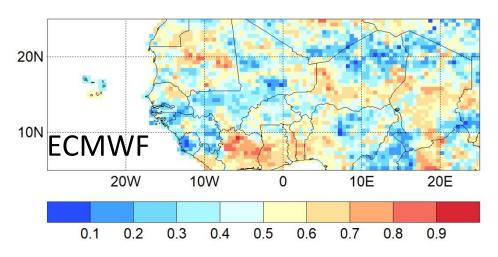
ROC A: gls5aprJASppnCTchirps222p18



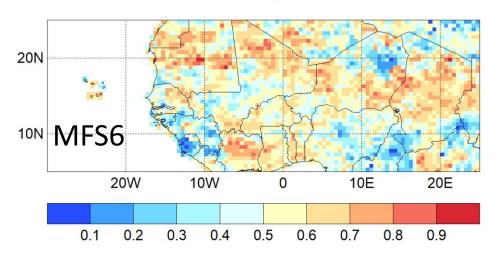
ROC A: dwd2aprJASppnCTchirps9101p10



ROC A: ecmwaprJASppnCTchirps222p'.



ROC A: mfs6aprJASppnCTchirps222p24

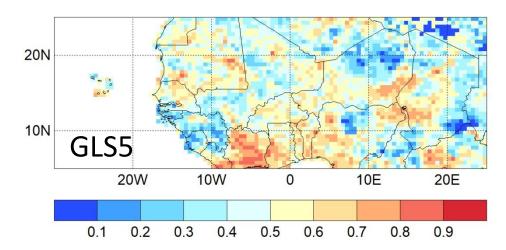




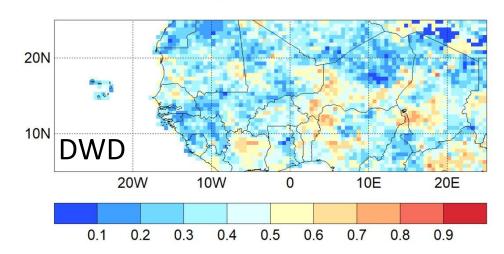
JAS skill for below normal – initialised April (C3S)



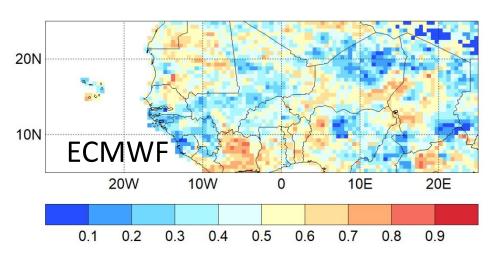
ROC B: gls5aprJASppnCTchirps222p18



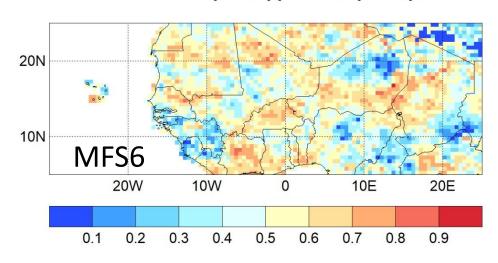
ROC B: dwd2aprJASppnCTchirps9101p10



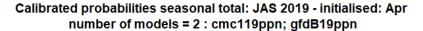
ROC B: ecmwaprJASppnCTchirps222p13

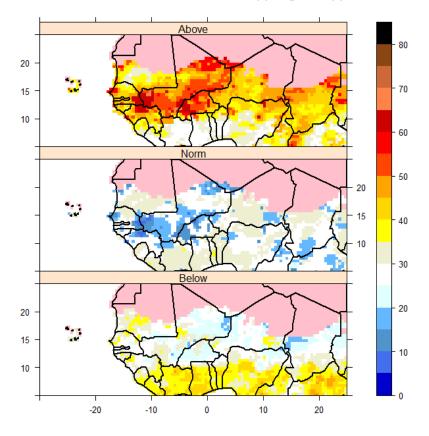


ROC B: mfs6aprJASppnCTchirps222p24



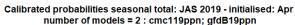
Multi-model of GFDL-B & CMC1 (most skilful of the 4 examined so far)

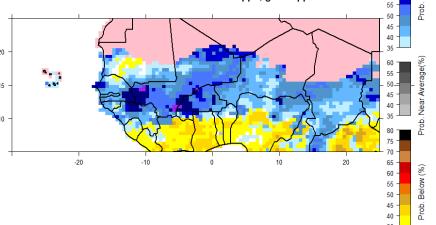


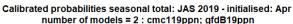


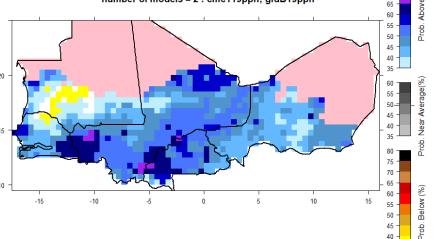






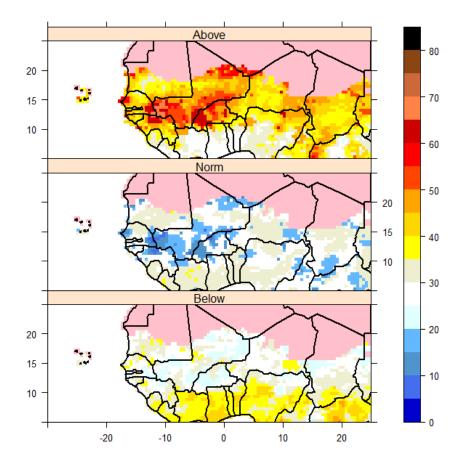






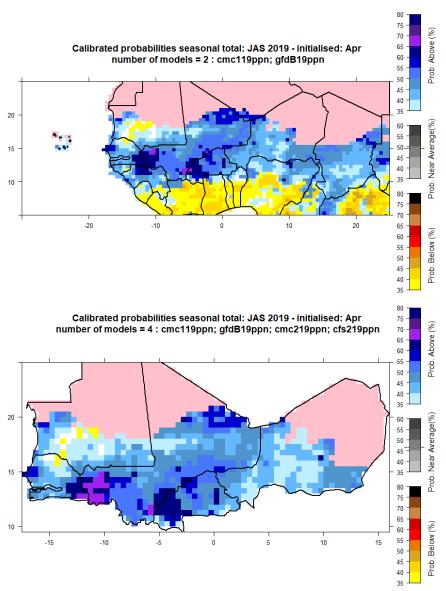
Multi-model of GFDL-B, CMC1, CMC2 and CFSv2

Calibrated probabilities seasonal total: JAS 2019 - initialised: Apr number of models = 4 : cmc119ppn; gfdB19ppn; cmc219ppn; cfs219ppn



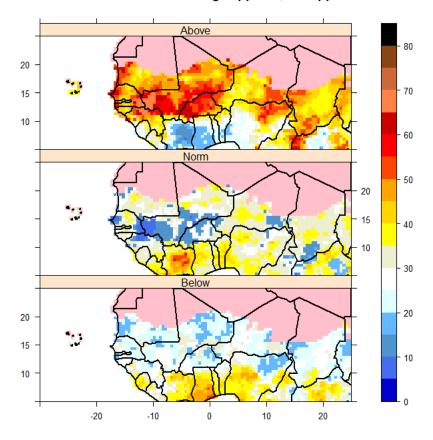






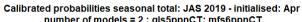
Multi-model of GLS5 and MFS6

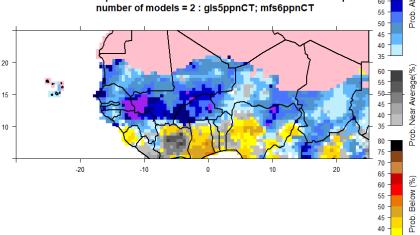
Calibrated probabilities seasonal total: JAS 2019 - initialised: Apr number of models = 2 : gls5ppnCT; mfs6ppnCT

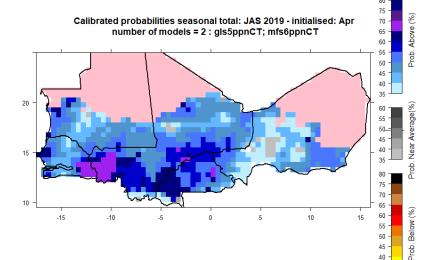






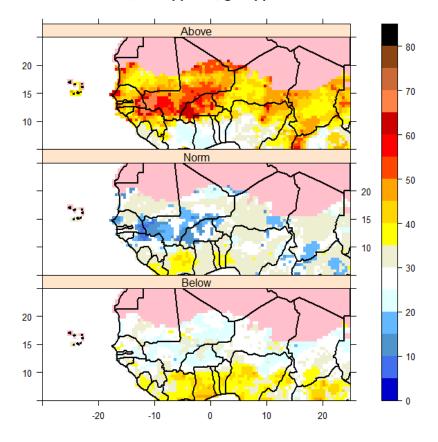






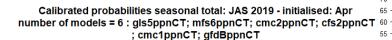
Multi-model of CFSv2, GFDL-B, CMC1, CMC2 GLS5 and MFS6

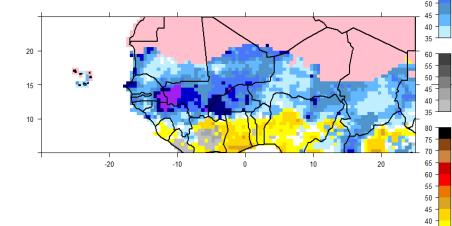
Calibrated probabilities seasonal total: JAS 2019 - initialised: Apr number of models = 6 : gls5ppnCT; mfs6ppnCT; cmc2ppnCT; cfs2ppnCT ; cmc1ppnCT; gfdBppnCT



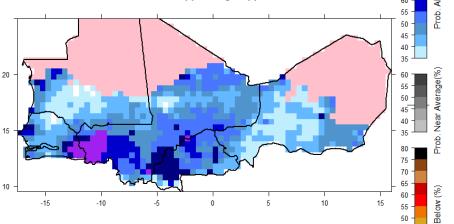








Calibrated probabilities seasonal total: JAS 2019 - initialised: Apr number of models = 6 : gls5ppnCT; mfs6ppnCT; cmc2ppnCT; cfs2ppnCT ; cmc1ppnCT; gfdBppnCT



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