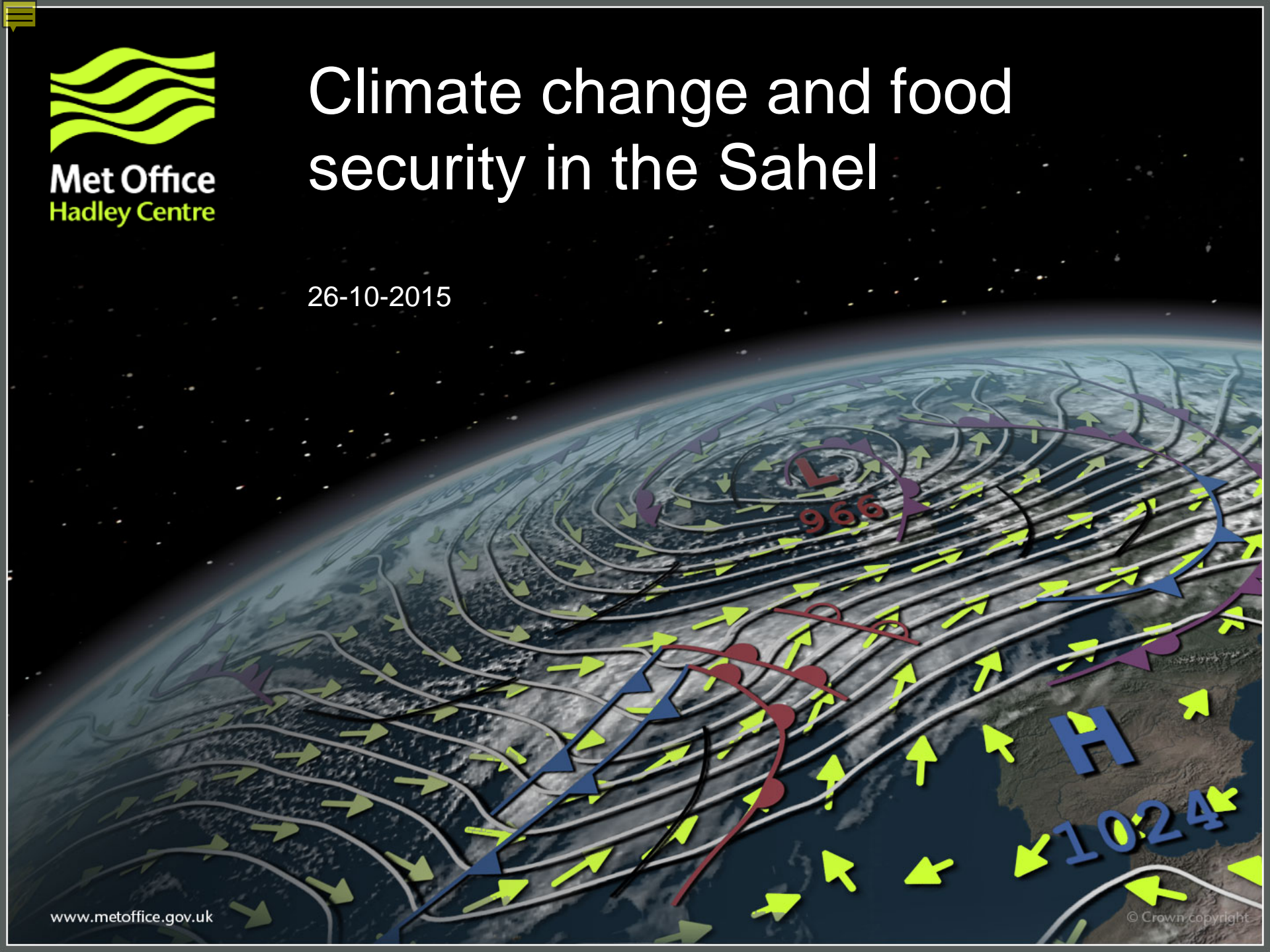


Climate change and food security in the Sahel

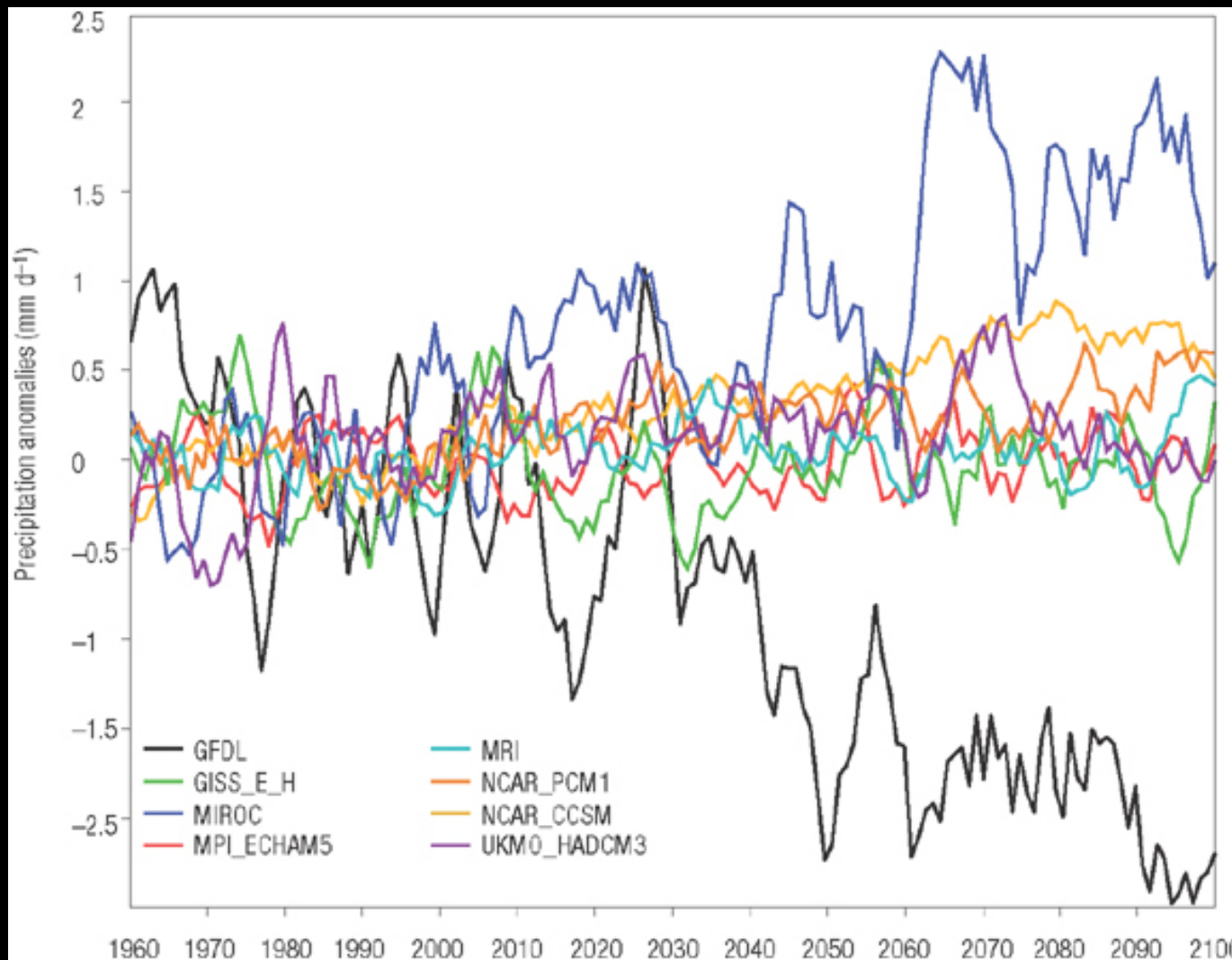
26-10-2015





Met Office
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There is nothing we can say

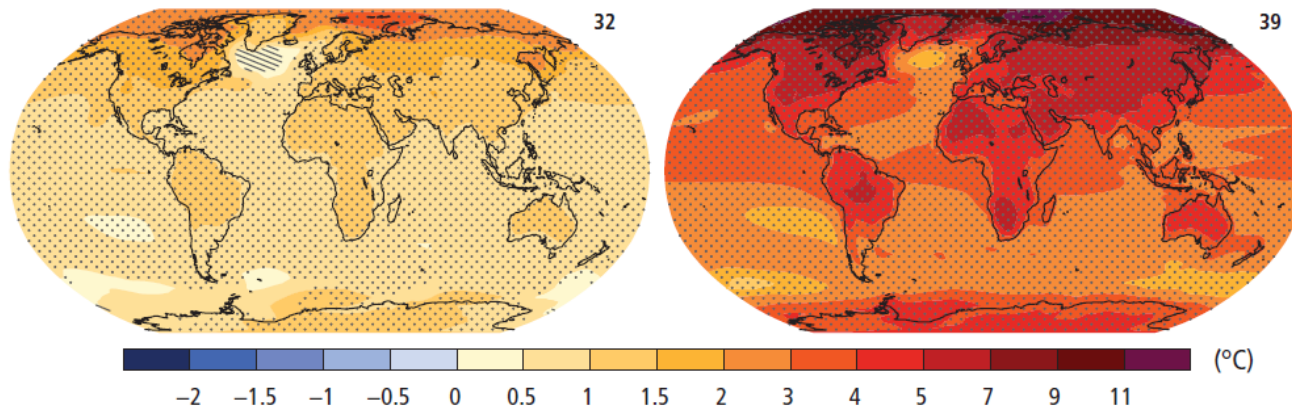


[Climate science: The mysteries of Sahel droughts](#) Kerry H. Cook

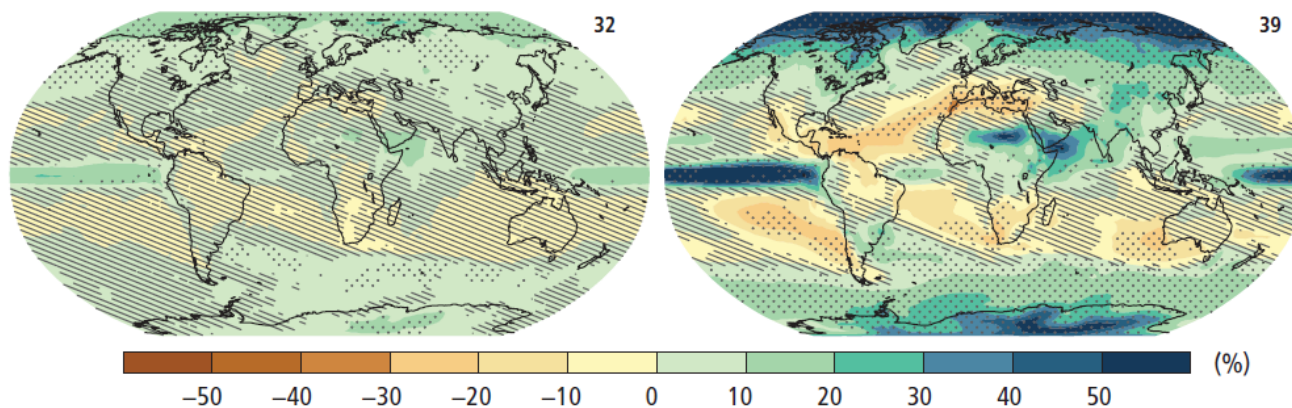
Nature Geoscience 1, 647 - 648 (2008) doi:10.1038/ngeo320

Or is there?

(a) Change in average surface temperature (1986–2005 to 2081–2100)

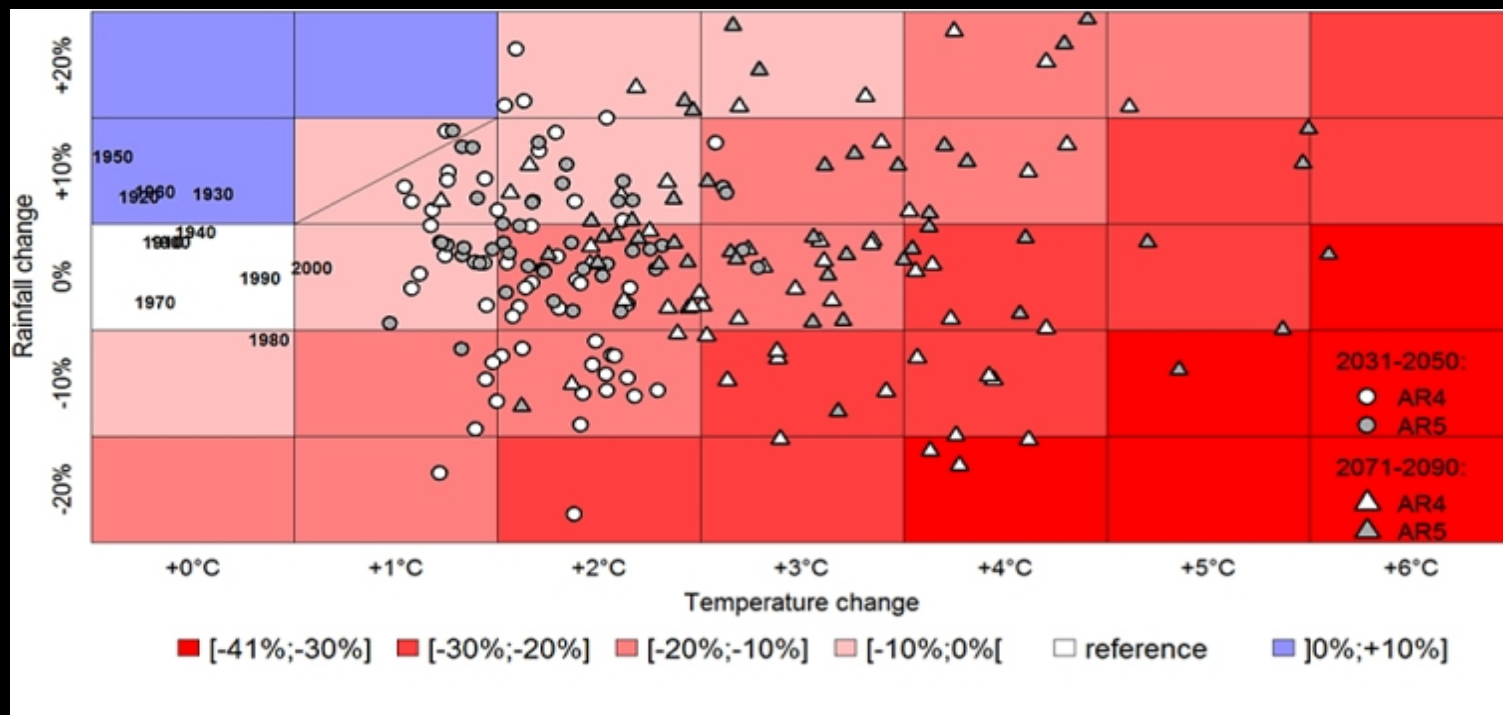


(b) Change in average precipitation (1986–2005 to 2081–2100)



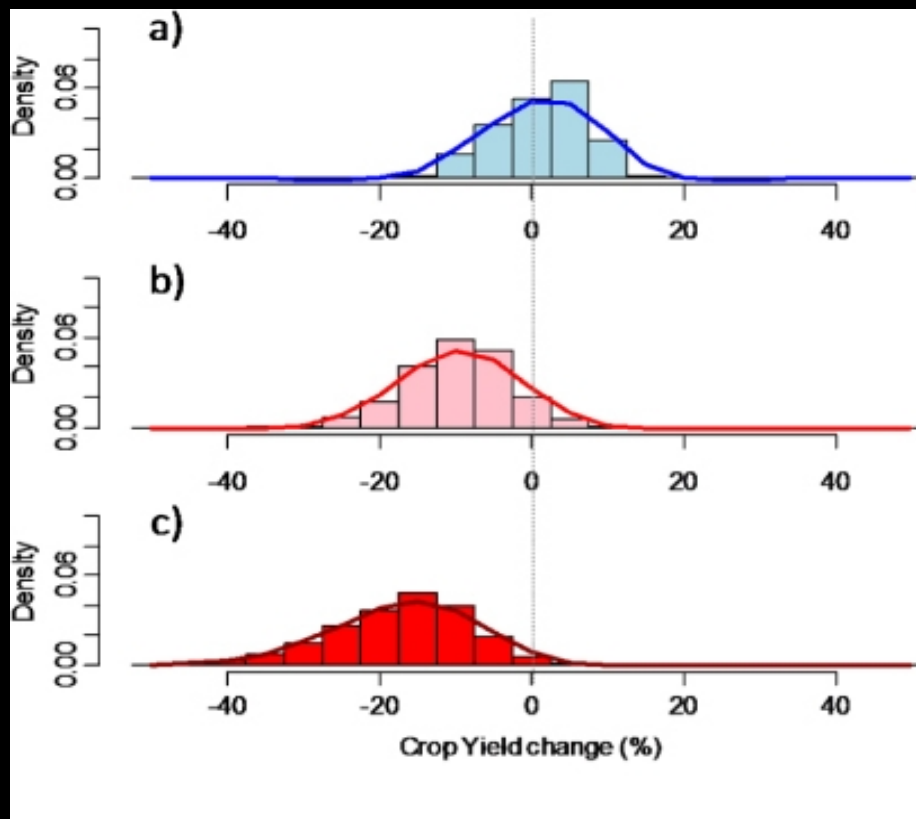
IPCC, 2014: Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp.

Or there is?



from Assessing climate change impacts on sorghum and millet yields in the Sudanian and Sahelian savannas of West Africa
B Sultan et al 2013 Environ. Res. Lett. 8 014040 doi:10.1088/1748-9326/8/1/014040

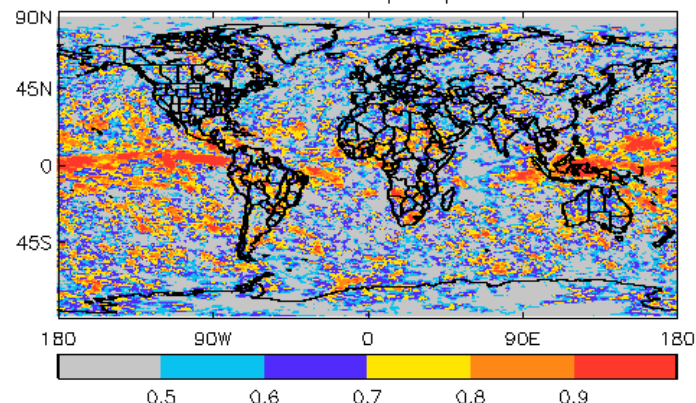
Impact on African agriculture



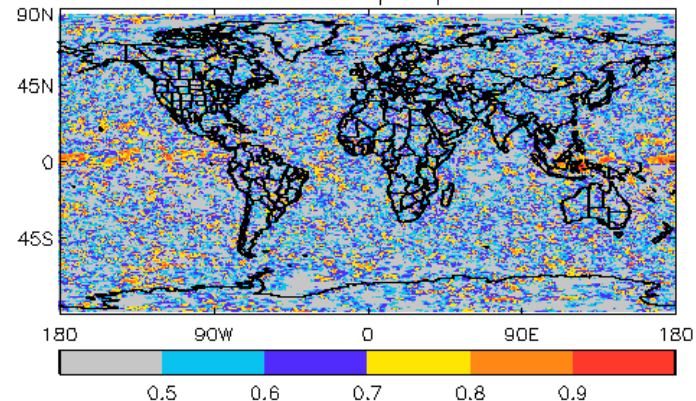
from Assessing climate change impacts on sorghum and millet yields in the Sudanian and Sahelian savannas of West Africa
B Sultan et al 2013 Environ. Res. Lett. 8 014040 doi:10.1088/1748-9326/8/1/014040

Seasonal predictions have skill in the tropics

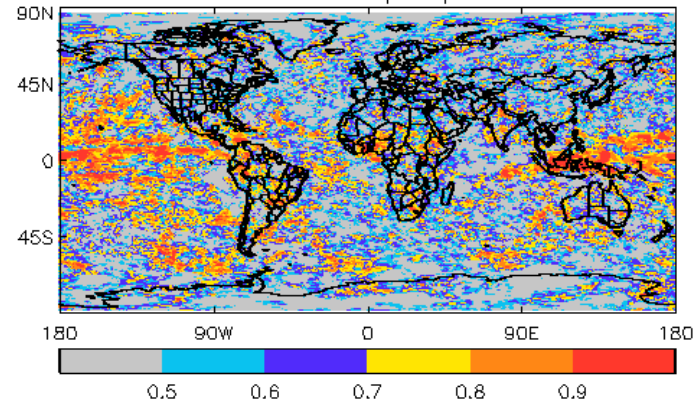
ROC scores for tercile categories Jul/Aug/Sep/: Issued June
above-normal precipitation



near-normal precipitation



below-normal precipitation



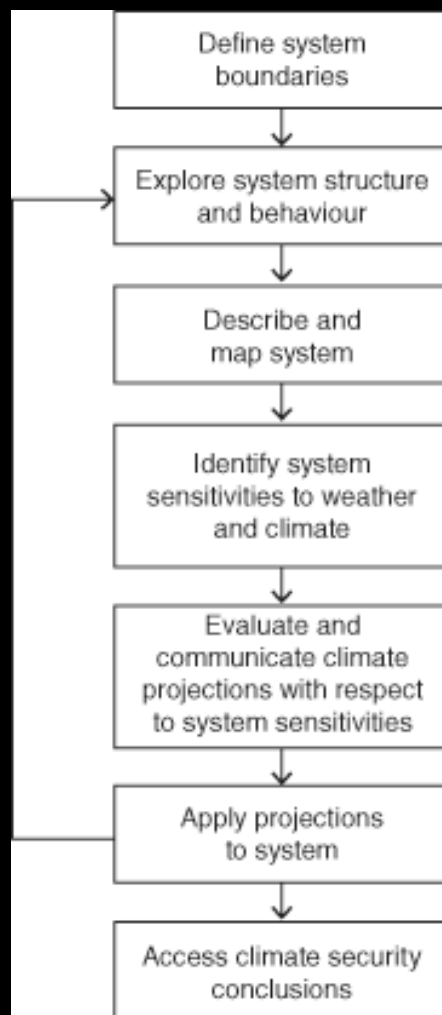


LEAP- Ethiopia's National Food Security Early Warning System

EUPORIAS

- *Objectives:* The prototype will enable the integration of seasonal predictions into Ethiopia's existing national food security early warning system, known as LEAP (Livelihoods, Early Assessment and Protection), to enable earlier and more accurate estimates of the people in need of food assistance in the coming months.
- *Stakeholders:* World Food Programme (WFP)
<http://www.wfp.org/disaster-risk-reduction/leap>
- More info: Lorenzo Bosi (lorenzo.bosi@wfp.org) and Sandro Calmanti (sandro.calmanti@enea.it)

Re-think the interface

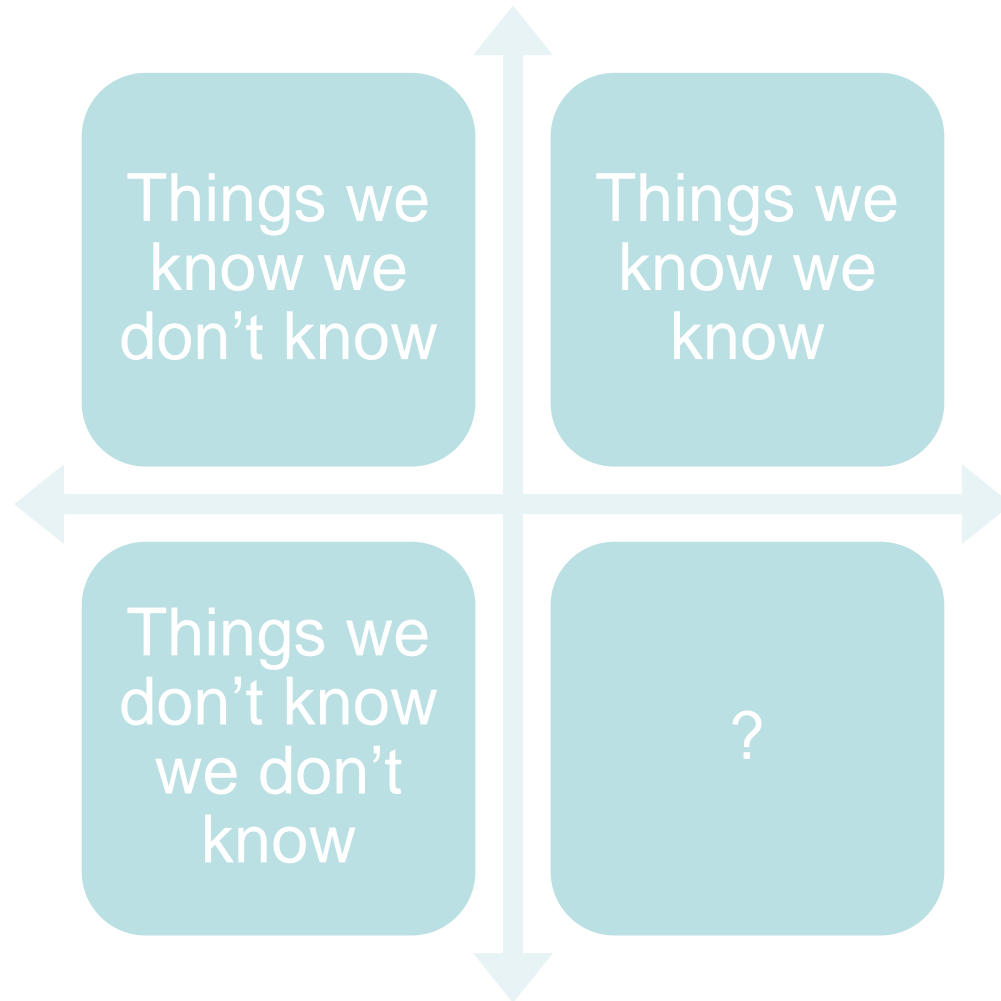


**Wiley Interdisciplinary Reviews:
Climate Change**

Volume 6, Issue 4, pages 383-399,
13 MAY 2015 DOI: 10.1002/wcc.346
<http://onlinelibrary.wiley.com/doi/10.1002/wcc.346/full#wcc346-fig-0002>



Donald Rumsfeld's best contribution to science





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Questions and answers

