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Climate of the Past Discussions

Interactive comment on "Western Europe is warming much faster than expected" *by* G. J. van Oldenborgh et al.

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To make the analysis more robust, it should be repeated with the trend analysis of Scherrer et al. (2005)

I'm not entirely convinced that Eq. 3 correct - but I may be mistaken. Perhaps more information is needed, explaining the terms in more detail. The reason why I am a bit puzzled is the denominator: dividing the ΔA by N is valid as long as the estimate for A really is the same for all models. See about this for a case where such treatment of errors is not appropriate on: http://www.realclimate.org/index.php/archives/2007/12/tropical-troposphere-trends/

I find the results somewhat surprising, as comparisons between results from empirical-

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statistical downscaling of 20C GCM runs over Norway and observations seem to exhibit good agreement (Benestad, 2005 - auxillary material; Benestad 2008). Thus, these results are inconsistent with other studies, and this fact should be discussed (e.g. why?).

References: Benestad, R.E. (2008), Downscaled regional Norwegian temperature and precipitation series, met.no report 07/2008. http://met.no/Forskning/Publikasjoner/metno$_{report/2008/}$

Benestad, R.E. (2005) Climate change scenarios for northern Europe from multi-model IPCC AR4 climate simulations GRL,32 doi:10.1029/2005GL023401 No. 17, L17704 (auxiliary material) http://www.agu.org/pubs/crossref/2005/2005GL023401.shtml ftp://ftp.agu.org/apend/gl/2005GL023401

Interactive comment on Clim. Past Discuss., 4, 897, 2008.