

## ***Interactive comment on “Ensemble meteorological reconstruction using circulation analogues of 1781–1785” by P. Yiou et al.***

**P. Yiou et al.**

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Dear Dr. Wheeler, Thank you for taking the time to struggle through our paper.

We will add a methodological appendix to the paper to explain the methodology. In the meantime we invite you to read the recent papers that provide a lot of information on circulation analogues:

Cattiaux, J.; Vautard, R.; Cassou, C.; Yiou, P.; Masson-Delmotte, V. & Codron, F. Winter 2010 in Europe: A cold extreme in a warming climate *Geophys. Res. Lett.*, 2010, 37, doi:10.1029/2010gl044613  
Cattiaux, J.; Yiou, P. & Vautard, R. Dynamics of future seasonal temperature trends and extremes in Europe: a multi-model analysis from CMIP3 *Climate Dynamics*, 2012, 38, 1949-1964  
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M.; Nicolay, S. & Van den Broeke, M. The 1958-2009 Greenland ice sheet surface melt and the mid-tropospheric atmospheric circulation *Climate Dynamics*, 2011, 36, 139-159  
Schenk, F. & Zorita, E. Reconstruction of high resolution atmospheric fields for Northern Europe using analog-upscaling *Climate of the Past*, 2012, 8, 1681-1703  
Vautard, R. & Yiou, P. Control of recent European surface climate change by atmospheric flow *Geophys. Res. Lett.*, 2009, 36, doi:10.1029/2009GL040480  
Yiou, P.; Salameh, T.; Drobinski, P.; Menut, L.; Vautard, R. & Vrac, M. Ensemble reconstruction of the atmospheric column from surface pressure using analogues *Clim. Dyn.*, 2012, doi:10.1007/s00382-012-1626-3  
Yiou, P.; Vautard, R.; Naveau, P. & Cassou, C. Inconsistency between atmospheric dynamics and temperatures during the exceptional 2006/2007 fall/winter and recent warming in Europe *Geophys. Res. Lett.*, 2007, 34, doi:10.1029/2007GL031981

Sincerely, P. Yiou.

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