



**2<sup>nd</sup> COMBINE GENERAL ASSEMBLY**  
**24-27 May 2011**  
**Met Office Hadley Centre, Exeter, UK**

**POSTERS**

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**WP1: Carbon and nitrogen cycles**

1. Interactions between climate, nitrogen availability and plant transpiration: Insights from scenario simulations with JSBACH/ECHAM6. Kracher et al
2. What consequences can have small changes in heterotrophic respiration on the global carbon cycle? Roelandt and Tjiputra

**WP2: Clouds, chemistry and aerosols**

3. Inclusion of monoterpene emissions in JSBACH-ECHAM-HAM. Vuollekoski et al
4. Sensitivity of the aerosol 1st indirect effect: Impact of mitigation on clouds properties. Yan et al

**WP3: Stratosphere**

5. Global Water Vapor variations in the Upper Troposphere and Lower Stratosphere in a coupled stratosphere-troposphere-ocean model. Cagnazzo et al
6. Role of stratospheric ozone changes, as simulated by the CMCC-ESM. Cagnazzo et al
7. Influence of stratospheric dynamics on the extra-tropical circulation: Comparison of High-top/Low-top versions of a climate model. Christiansen and Yang
8. Tropical wave in climate simulations using MPI-ESM with different vertical resolutions. Giorgetta et al
9. Differences in surface climate in a CMIP5 historical simulation due to the inclusion of a well-resolved stratosphere. Hardiman et al
10. Atlantic blocking in climate simulations with a well resolved stratosphere. Hinton et al
11. Stratosphere and Climate in HadGEM2 Simulations of the 20th Century. Osprey et al
12. When Chaos Reigns: Evidence Against a Stochastic Description of Northern Annular Mode High Frequency Variability. Osprey and Ambaum
13. Mechanisms leading to cold European winter extremes and the role of troposphere-stratosphere interactions. Tomassini et al

**WP4: Cryosphere**

14. Improving the representation of sea ice physics in NEMO-LIM: snow thermodynamics and pancake ice formation. Lecomte et al
15. Modelling surface mass balance on Greenland in a GCM: Impact of model resolution for modern day and differences for Eemian and glacial inception conditions. Punge et al
16. First results of the newly coupled ice sheet-earth system model. Rodehacke and Mikolajewicz
17. Progress in sea-ice modelling in CNRM-CM5 ESM: First results from CMIP5 centennial and decadal experiments. Salas y Mélia et al

18. Simulating the Greenland Ice Sheet in the climate model EC-Earth: Sensitivity of the Greenland Ice Sheet. Yang et al

**WP5: Ocean and sea-ice Initialization**

19. Anomaly versus full-field initialized DePreSys CMIP5 simulations. Pohlmann and Smith

20. Recent developments in background- and observation-error covariance modelling for NEMOVAR. Weaver et al

21. Initialization of sea-ice for decadal predictions with EC-EARTH. Wyser et al

**WP6: Climate prediction**

22. Decadal climate predictions with the CMCC-CM coupled OAGCM initialized with ocean analyses. Bellucci et al

23. Fidelity and Predictability of Decadal Climate Variations in ECHAM/MPIOM: Impact of Different Ocean Reanalyses. Kroeger et al

24. First results of the CNRM-CERFACS "near-term" forecast exercise. Sanchez-Gomez et al

25. Does potential predictability and predictive skill improve with seasonal vegetation? Weiß et al

26. Decadal predictability of the North-Atlantic region in the EC-Earth model. Wouters et al

**WP7: Climate projection and feedbacks**

27. Climate sensitivity and radiative feedbacks in the CNRM climate model. Geoffroy et al