



## COMBINE GENERAL ASSEMBLY

10 June 2010, 13:30 – 15:00 POSTER SESSION

CAB building, Universitätstr. 6. Foyer, Floor G (Zurich, Switzerland)

### WP1: Carbon and Nitrogen Cycles

**1. Coupled nitrogen - carbon cycle simulations for the 21st century with JSBACH-CN.** Parida, BR(1), CH Reick(1), J Kattge(2), and M Claussen(1,3); (1) MPI-M Hamburg, Germany (2) MPI-B Jena, Germany (3) University Hamburg, Germany

**2. Global carbon and water cycles inferred from FLUXNET eddy covariance data via integration with global Earth observations.** Reichstein, M(1), M Jung(1), C Beer(1), E Tomelleri(1), D Baldocchi(2), N Gobron(3), C Rödenbeck(1), D Papale(4), FLUXNET members(5); (1) MPI-B Jena, Germany (2) University of California Berkeley, USA (3) Institute for Environment and Sustainability, Ispra, Italy, (4) University of Tuscia, Viterbo, Italy (5) [www.fluxdata.org](http://www.fluxdata.org)

**3. Incorporating anthropogenic land cover changes into studies of climate change.** Weiss, M, M Brandt, B van den Hurk, R Haarsma and W Hazeleger (KNMI De Bilt, The Netherlands)

### WP2: Aerosol, Clouds and Chemistry

**4. Inhomogeneities of clouds - A statistical scheme for large-scale models.** Jess, S, P Spichtinger, P and U Lohmann (ETH Zurich, Switzerland)

**5. Aerosol-cloud interactions in the ECHAM5 GCM.** Reutter, P and U Lohmann (ETH Zurich, Switzerland)

**6. Bacteria in the ECHAM5-HAM global climate model.** Sesartić, A(1), U Lohmann(1) and T Storelvmo(2); (1) ETH Zurich, Switzerland (2) Yale University, New Haven (CT), U.S.A.

**20. Comparison with satellite observations of diagnostics for the 1<sup>st</sup> aerosol indirect effect.** Yan, N(1), Y Balkanski(1), M Schulz(1) and J Quaas(2) ; (1) LSCE/IPSL Gif-sur-Yvette, France (2) MPI-M Hamburg, Germany

### WP3: Stratosphere

**7. Preindustrial climate: Results from the CMCC model with a well resolved stratosphere.** Fogli, PG(1), C Cagnazzo(1), E Manzini(1,2,\*); (1) CMCC Bologna, Italy (2) INGV Bologna, Italy (\*) Now at MPI-M Hamburg, Germany

### WP4: Cryosphere

**8. Coupling GELATO sea-ice model to NEMO3.2/OPA9 - A new ocean/sea-ice model for global climate studies at CNRM.** Chevallier, M, and D Salas-Y-Melia (CNRM Toulouse, France)

**9. A new snow thermodynamic scheme for the Louvain-la-Neuve Sea Ice Model (LIM).** Lecomte, O, T Fichefet and M Vancoppenolle (UCL Louvain-la-Neuve, Belgium)

**10. Implementation of a new surface scheme for land ice in the LMDZ/IPSL climate model.** Punge, HJ(1), M Kageyama(1), H Gallée(2), G Krinner(2) and JL Dufresne(3); (1) (LSCE, CEA/CNRS/UVSQ)/IPSL Gif-sur-Yvette, France (2) LGGE, CNRS/UJF Grenoble, France (3) (LMD, CNRS)/IPSL Paris, France

**11. Sensitivity of a Greenland ice sheet model to atmospheric fields.** Quiquet, A(1), C Ritz(1), H Gallée(1), X Fettweis(2), G Krinner(1), D Salas-Melia(3); (1) LGGE, CNRS, France (2) Université de Liège, Belgium (3) CNRM Toulouse, France

#### **WP5: Initialization**

**12. How well do we know the state of the ocean in the last decades?** Balmaseda, MA, K Mogensen and F Molteni (ECMWF Reading, United Kingdom)

**13. Sea-ice data assimilation in NEMO-LIM2 and -LIM3 using the Ensemble Kalman Filter.** König Beatty, C, P Mathiot, F Massonnet, T Fichefet, H Goose (TECLIM, Earth Life Institute, UCL Belgium)

**14. Impact of Different Ocean Reanalyses on Decadal Climate Prediction.** Kröger, J, W Müller and J-S von Storch (MPI-M Hamburg, Germany)

**15. Strategies for dealing with systematic errors in a coupled ocean-atmosphere forecasting system.** Magnusson, L, MA Balmaseda and F Molteni (ECMWF Reading, United Kingdom)

#### **WP6: Climate Prediction**

**16. Decadal Prediction experiments at KNMI using EC-EARTH.** Wouters, B, W Hazeleger, GJ van Oldenborg and R Haarsma (KNMI, The Netherlands)

#### **WP7: Climate Projections and Feedbacks**

**17. Met Office Hadley Centre CMIP5 simulations.** Jones, C, J Hughes, S Liddicoat, M Doutriaux-Boucher (METO Exeter, United Kingdom)

**18. CNRM-CM5 : design and first results.** Voltaire, A(1), A Alias(1), C Cassou(2), B Decharme(1), H Douville(1), E Maisonnave(2), D Salas-y-Mélia(1), E Sanchez(2) and S Sénési(1); (1) CNRM/GAME Toulouse, France (2) CERFACS Toulouse, France

#### **WP8: Impacts and Scenarios**

**19. Performance of ENSEMBLES RCMs over Crete and Thessaly case study regions.** Tsanis, IK and AG Koutroulis (TUC Chania, Greece)