
EGU 2008 Meeting Programme

Climate: Past, Present, Future

Monday

CL0 Open Session on Climatology and Palaeoclimatology

Convener: Rousseau, D.
Co-Convener(s): Sicre, M., Kiefer, T.
Lecture Room 13
Chairperson: N.N.

8:30–8:45; EGU2008-A-08295; CL0-1MO1O-001

Yao, FM; Zhang, Jh

The impacts of climate change on rice yields in China

8:45–9:00; EGU2008-A-10118; CL0-1MO1O-002

Matulla, C.; von Storch, H.

Storminess in Eastern Canada, Northern and Central Europe

9:00–9:15; EGU2008-A-01392; CL0-1MO1O-003

Sijp, W.; England, M.

The effect of a northward shift in the Southern Hemisphere westerlies on the global ocean

9:15–9:30; EGU2008-A-04612; CL0-1MO1O-004

Rimbu, N.; Lohmann, G.

Winter and summer blocking variability in the North Atlantic region. Evidence from long-term observational and proxy data from southwestern Greenland Winter and summer blocking variability in the North Atlantic region. Evidence from long-term observational and proxy data from southwestern Greenland

9:30–9:45; EGU2008-A-06678; CL0-1MO1O-005

Taricco, C.; Ghil, M.; Bernasconi, S. M.; Vivaldo, G.

Study of Mediterranean Climate Variability based on a high-resolution shallow-water Ionian Sea Core

9:45–10:00; EGU2008-A-06731; CL0-1MO1O-006

Kleinen, T.; Osborn, T.; Briffa, K

Little Ice Age climate and the NAO

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-10447; CL0-1MO2O-001

Maher, B.A.

The Holocene East Asian monsoon.

10:45–11:00; EGU2008-A-05928; CL0-1MO2O-002

Mikolajewicz, U.

Simulating the Climate of the last Glacial

11:00–11:15; EGU2008-A-09533; CL0-1MO2O-003

Hays, J.

Antarctic Ocean stratification changes south of the Polar Front during the last glacial cycle

11:15–11:30; EGU2008-A-00927; CL0-1MO2O-004

Levermann, A.; **Schewe, J.;** Montoya, M.

Lack of bipolar see-saw in response to Southern Ocean wind reduction

11:30–11:45; EGU2008-A-09716; CL0-1MO2O-005

Merkel, U.; Prange, M.; Schulz, M.

Atmospheric circulation at the last glacial as simulated by a complex coupled general circulation model

11:45–12:00; EGU2008-A-11254; CL0-1MO2O-006

Machalett, B.; Oches, E.A.; Frechen, M.; Zöller, L.; Mavlyanova, N.G.; Hambach, U.; Markovic, S.B.; Endlicher, W.

Aeolian dust dynamics in Central Asia - driven by the long-term migration, seasonality and permanency of the Asiatic polar front

12:00 END OF SESSION

CL0 Open Session on Climatology and Palaeoclimatology – Posters

Convener: Rousseau, D.

Co-Convener(s): Sicre, M., Kiefer, T.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0139; EGU2008-A-00409; CL0-1MO5P-0139

Ye, W

Snowball termination and life evolution

XY0140; EGU2008-A-01327; CL0-1MO5P-0140

Masoodian, M

Temperature trends in Iran during the last half century

XY0141; EGU2008-A-01384; CL0-1MO5P-0141

Bisgin, H.; Dalfes, H. N.

Parallel Clustering Algorithms with Application to Climatology

XY0142; EGU2008-A-01477; CL0-1MO5P-0142

Pichevin, L. E.; Reynolds, B. C.; Ganeshram, R. S; Cacho, I.

Resolving the Opal Paradox in the Glacial Eastern Equatorial Pacific: Implications for the Biological Pump of Carbon

XY0143; EGU2008-A-01557; CL0-1MO5P-0143

Falarz, M.

Wintertime centres of action of the atmosphere in the Northern Hemisphere: changes, interactions, influence on climate in Poland

XY0144; EGU2008-A-02215; CL0-1MO5P-0144

Scheifinger, H.; Matulla, C; Wagner, S; Koch, E

Direct downscaling of phenological entry dates in Central Europe

XY0145; EGU2008-A-03907; CL0-1MO5P-0145

Ionita, M.; Rimbu, N; Lohmann, G

Decadal variability of the Elbe river streamflow

XY0146; EGU2008-A-04555; CL0-1MO5P-0146

Grein, M.; Roth-Nebelsick, A.; Wilde, V.; Konrad, W.

Stomatal density of fossil laurel and myrtle leaves from the Messel Pit: Preliminary studies for the reconstruction of atmospheric CO₂ and climate of the Middle Eocene

XY0147; EGU2008-A-06216; CL0-1MO5P-0147

Naafs, B.D.A.; Stein, R.; Haug, G.H.

Short-term variability of surface-water characteristics in the Late Neogene North Atlantic Ocean: Preliminary results of a biomarker record from Site U1313

XY0148; EGU2008-A-06280; CL0-1MO5P-0148
Pecho, J.; Faško, P.; Melo, M.; Kajaba, P.
 Precipitation deficit periods in Slovakia with emphasis on the the Danubian lowland region within the 1901-2007 period

XY0149; EGU2008-A-05376; CL0-1MO5P-0149
Russon, T.; Elliot, M.; Cabioch, G.; Kissel, C.
 Mid-Late Pleistocene variability in deepwater δ13C, New Caledonia Basin, Subtropical Western Pacific

XY0150; EGU2008-A-07311; CL0-1MO5P-0150
Groll, N.
 Meridional energy transport in a AOGCM simulation for the last interglacial (125ka BP) and the last glacial inception (115kaBP)

XY0151; EGU2008-A-07783; CL0-1MO5P-0151
Eckart, D.; Lazar, R.
 Temperature Observations in Dolines in the Northern Calcareous Alps, Styria, Austria

XY0152; EGU2008-A-07970; CL0-1MO5P-0152
Herold, M.; Lohmann, G.
 Interglacial African hydrological cycle - an isotope modelling study

XY0153; EGU2008-A-08144; CL0-1MO5P-0153
Oliver, K.; Edwards, N.; Henderson, G.; Hoogakker, B.; Rickaby, R.
 Tidal mixing, deep ocean carbon storage, and the marine delta-13C record of the Last Glacial Maximum

XY0154; EGU2008-A-08596; CL0-1MO5P-0154
Küttel, M.; Luterbacher, J.; Xoplaki, E.; Wanner, H.
 Comparing the seasonal mean position, strength and seasonal variation of the Azores High and the Icelandic Low during the cold climate of the Dalton Minimum and the exceptional warmth in the late 20th century

XY0155; EGU2008-A-09066; CL0-1MO5P-0155
Srivastava, P
 Interstratified clay minerals in loess-paleosols and poly-genetic soils of the Himalayan foreland: A record of Late Quaternary enhanced monsoon precipitation

XY0156; EGU2008-A-09251; CL0-1MO5P-0156
Roucoux, K.H.; Tzedakis, P.C.; Frogley, M.R.; Lawson, I.T.; Preece, R.C.
 Terrestrial environmental changes in southern Europe during the penultimate climatic cycle (marine isotope stages 6 and 7)

XY0157; EGU2008-A-09815; CL0-1MO5P-0157
Dubrovsky, M.; Svoboda, M.; Trnka, M.
 Performance of interpolated weather generator in two regions: Nebraska vs. Czechia

XY0158; EGU2008-A-10094; CL0-1MO5P-0158
Rojas, M.; Moreno, P.I.
 Mid-Holocene circulation changes and Neoglacial activity in the Southern Hemisphere mid-latitudes: insights from PMIP2 simulations.

XY0159; EGU2008-A-10369; CL0-1MO5P-0159
CORDEIRO, R.; TURCQ, B; **RODRIGUES, RAR;** BARBOSA, M; SEOANE, JCS; SIFFEDINE, A; MOURA, MSE; OLIVEIRA, APR; DURAN-SANTOS, D; SIMOES-FILHO, FF; Geochemistry Program
 Comparison between paleoenvironmental and land use changes records in brazilian amazonian ecosystems

XY0160; EGU2008-A-10593; CL0-1MO5P-0160
van den Bogaard, C.; Dullo, C.; Baranov, B.; Georgeleit, K. KALMAR – "Kurile-Kamchatka and Aleutian Marginal Sea-Island Arc Systems: Geodynamic and Climate Interaction in Space and Time" – A project presentation

XY0161; EGU2008-A-10997; CL0-1MO5P-0161
John, I.; Brandt, K.; Bergstraesser, A.; Goerlitz, J.; Grote, J.; Ryslavy, T.; Linke, C.; Endlicher, W.
 Recent climate change recorded in avifauna dynamics in Brandenburg (Germany)

XY0162; EGU2008-A-11134; CL0-1MO5P-0162
McDonald, A. B.
 Rapid climate change explained by the Tiamat Hypothesis

XY0163; EGU2008-A-09503; CL0-1MO5P-0163
Bouloubassi, I.; Masse, G.; Sicre, M.-A.; Ezat, U.; Me-janelle, L.; Jacob, J.; Gondry, G.
 Ocean variability and biological changes off N. Iceland over the last millenium

CL19 Climate Extremes and Impacts

Convener: Beniston, M.
 Co-Convener(s): Goyette, S.
 Lecture Room 13
 Chairperson: N.N.

13:30–13:45; EGU2008-A-02015; CL19-1MO3O-001
Pinto, J.G.; Zacharias, S.; Fink, A.H.; Leckebusch, G.C.; Ulbrich, U.
 Factors contributing to the development of extreme North Atlantic cyclones and their relationship with the NAO

13:45–14:00; EGU2008-A-03777; CL19-1MO3O-002
Della-Marta, P.M.; Mathis, H.; Frei, C.; Liniger, M.A.; Kleinn, J.; Appenzeller, C.
 Return period of wind storms over Europe in ERA-40

14:00–14:15; EGU2008-A-03331; CL19-1MO3O-003
Früh, B.; Feldmann, H.; Panitz, H.-J.; Schädler, G.
 Evaluation of heavy precipitation from regional climate simulations for south-west Germany

14:15–14:30; EGU2008-A-09754; CL19-1MO3O-004
Maraun, D. ; Rust, H.W.; Osborn, T.J.
 The annual cycle of UK daily precipitation extremes.

14:30–14:45; EGU2008-A-12292; CL19-1MO3O-005
Walsh, R.P.D.; Ellison, S.; Los, S.; Kok, T.C.; Peng, L.C.
 Changes in large daily rainfall magnitude-frequency in Borneo and Peninsular Malaysia over the last hundred years

14:45–15:00; EGU2008-A-07086; CL19-1MO3O-006
Jacobeit, J.; Rathmann, J.; Philipp, A.
 Central European temperature and precipitation extremes in relation to large-scale atmospheric circulation types

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-04603; CL19-1MO4O-001
Beniston, M
 Entering into the "greenhouse century": recent Swiss record temperatures comparable to upper quantiles in a greenhouse climate

15:45–16:00; EGU2008-A-06380; CL19-1MO4O-002
Fischer, E.M.; Schär, C.
 Scenarios of subseasonal European heat waves and their relationship to changes in the seasonal cycle and daily temperature variability

16:00–16:15; EGU2008-A-09640; CL19-1MO4O-003
Hirschi, M.; Stepanek, P.; Seneviratne, S. I.; Christensen, O. B.
 CECILIA climate indices: Analysis of temperature extremes in Central and Eastern Europe

16:15–16:30; EGU2008-A-03062; CL19-1MO4O-004
Brazdil, R.; Trnka, M.; Dobrovolny, P.; Chroma, K.; Hlavinka, P.; Zalud, Z.
Variability of droughts in the Czech Republic, 1881–2006

16:30–16:45; EGU2008-A-03729; CL19-1MO4O-005
Stickler, A.; Ewen, T.; Griesser, T.; Brönnimann, S.
Revisiting the 1930s “Dust Bowl”

16:45–17:00; EGU2008-A-07276; CL19-1MO4O-006
Giannakopoulos, C.; Psiloglou, B.; Petrakis, M.
Heat Stress and Mortality in Athens: Impact Model Construction and Validation

17:00 END OF SESSION

CL19 Climate Extremes and Impacts – Posters

Convener: Beniston, M.
Co-Convener(s): Goyette, S.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0164; EGU2008-A-03442; CL19-1MO5P-0164
Donat, M.; Leckebusch, G.C.; Pinto, J.; Ulbrich, U.
Occurrence of extratropical cyclones and windstorms in multi-model simulations for recent and future climate

XY0165; EGU2008-A-11720; CL19-1MO5P-0165
Goyette, S.
Application of the transilient turbulence parameterization to the simulation of wind gust in a Regional Climate Model

XY0166; EGU2008-A-09080; CL19-1MO5P-0166
Radics, K.; Péliné, Cs.N.; Bartholy, J.
Tendencies of mean and extreme wind characteristics in Hungary

XY0167; EGU2008-A-00075; CL19-1MO5P-0167
Williams, C.; Kniveton, D.; Layberry, R.
Extreme rainfall events over southern Africa: individual and combined influence of Atlantic sea surface temperatures on rainfall variability

XY0168; EGU2008-A-10354; CL19-1MO5P-0168
Aburrea, J.; Asín, J.; Cebrián, A.C.; Gracia, Z.
Assessing the disproportionate response rates observed in extreme precipitation indices

XY0169; EGU2008-A-02578; CL19-1MO5P-0169
Ramos, M.C.; Martínez-Casasnovas, J.A.
Temperature and precipitation extremes in areas with semiarid climate in the North Eastern Spain and impacts on vineyards

XY0170; EGU2008-A-07277; CL19-1MO5P-0170
Mileta, M.
The annual number of days with unusual temperatures in 2007

XY0171; EGU2008-A-02097; CL19-1MO5P-0171
M. Ramos, A.; M. Trigo, R.; A. Valente, M.; E. Santo, F.; D. Santos, F.
Extreme temperature events in Portugal: recent trends and future scenarios

XY0172; EGU2008-A-04143; CL19-1MO5P-0172
Unkasevic, M.; Tosic, I.
Heat waves in Serbia – the case of 2007

XY0173; EGU2008-A-04197; CL19-1MO5P-0173
Plaut, G.

The increasing frequency of “Heatwave Regime”-like circulation patterns occurrence over western Europe: patent observations and fears about the future

XY0174; EGU2008-A-04661; CL19-1MO5P-0174
Tosic, I.; Unkasevic, M.; Savic, S.
Analysis of tropical days in Serbia

XY0175; EGU2008-A-11311; CL19-1MO5P-0175
Halenka, T.; Belda, M.; Miksovsky, J.; Skalak, P.
Extremes in high resolution regional climate model: Preliminary results of simulations in EC FP6 project CECILIA

XY0176; EGU2008-A-06401; CL19-1MO5P-0176
Fischer, E.M.; Schär, C.
Decomposing daily temperature variability into intraseasonal, interannual and cycle-induced variability

XY0177; EGU2008-A-02197; CL19-1MO5P-0177
Sterl, A.; **Dijkstra, H.;** Van Oldenborgh, G.J.; Hazeleger, W.; Severijns, C.
Extreme temperatures in climate projections

XY0178; EGU2008-A-08354; CL19-1MO5P-0178
Cattiaux, J.; Vautard, R.; Yiou, P.
European temperatures and atmospheric circulation during the fall 2006

XY0179; EGU2008-A-08440; CL19-1MO5P-0179
Hirschi, J.; Merckelbach, L.; Hankin, R.
Spatio-temporal distribution of seasonal and annual temperature extremes in the NCAR/NCEP reanalysis

XY0180; EGU2008-A-09193; CL19-1MO5P-0180
Selten, F.M.; Panja, D.; Hazeleger, W.; Dijkstra, H.
Probability of warm Summerdays in Europe in Relation to the large-scale Circulation

XY0181; EGU2008-A-09387; CL19-1MO5P-0181
Bartholy, J.; Pongracz, R.; Gelybo, G.Y.; Szabo, P.
Analysis of past and future trends of extreme temperature indices for the Carpathian basin

XY0182; EGU2008-A-10889; CL19-1MO5P-0182
Groisman, P.; Knight, R.; Karl, T.; Wehner, M.; Reynolds, R.; Razuvaev, V.; Zhai, P.
Changes in extreme events in the northern extratropics

XY0183; EGU2008-A-06236; CL19-1MO5P-0183
Trnka, M.; Hlavinka, P.; Mozny, M.; Brazdil, R.; Dobrovolny, P.; Stepanek, P.; Formayer, H.; Eitzinger, J.
How Realistic Are the Reported Drying Trends in the Central Europe during 20th Century?

XY0184; EGU2008-A-06253; CL19-1MO5P-0184
Hlavinka, P.; Trnka, M.; Hayes, M.; Dubrovsky, M.; Svoboda, M.; Eitzinger, J.; Balek, J.; Semerádova, D.; Bartosova, L.
Expected Effects of Regional Climate Change on the Soil Moisture Regimes in Central Europe and Central US

XY0185; EGU2008-A-06545; CL19-1MO5P-0185
Corti, T.; Muccione, V.; Köllner-Heck, P.; Seneviratne, S. I.
Past and future building damage from drought-induced soil subsidence

XY0186; EGU2008-A-08026; CL19-1MO5P-0186
Chernokulsky, A.V.; Mokhov, I.I.
Summer fire conditions changes in North Eurasian mid-latitudes from regional model simulations for the 21st century

XY0187; EGU2008-A-08902; CL19-1MO5P-0187

Leonelli, G.; Pelfini, M.

Influence of climate and climate anomalies on Norway spruce tree-ring growth at different altitude and on glacier responses: examples from the Central Italian Alps

XY0188; EGU2008-A-03323; CL19-1MO5P-0188

Rodrigo, F.S.; Aguilar, E.; Luna, M.Y.; Rasilla, D.; Brunet, M.; Sigró, J.

An exploratory study of climatic extreme events in the Iberian Peninsula: statistical and dynamical characterization, and forcing factors (project EXPICA CGL2007-65546-C03/CLI)

XY0189; EGU2008-A-02940; CL19-1MO5P-0189

Baldi, M.; Coccimiglio, P.; Lanini, G.M.

Towards an assessment of heat stress risk: regionalization and classification of bioclimatic zones in Italy

XY0190; EGU2008-A-02846; CL19-1MO5P-0190

Nicholls, R. J.; Hanson, S.; Herweijer, C.; Patmore, N.; **Hallegatte, S.;** Corfee-Morlot, J.; Chateau, J.; Muir-Wood, R. Ranking Port Cities with High Exposure and Vulnerability to Climate Extremes

CL21 Generality of climate models and their components (co-listed in AS & NP)

Convener: Arritt, R.

Co-Convener(s): Rockel, B., Williamson, D.

Lecture Room 14

Chairperson: N.N.

13:30–13:45; EGU2008-A-02878; CL21-1MO3O-001

Paquin, D.; Kothavala, Z.; Caya, D.

CRCM simulations over the GAME domain for ICTS project - internal variability for different model configurations.

13:45–14:00; EGU2008-A-10925; CL21-1MO3O-002

Arritt, R.; THE NARCCAP TEAM

Variations in regional climate model skill for North American climates

14:00–14:15; EGU2008-A-01742; CL21-1MO3O-003

Hunke, E.

Sea Ice Modeling in the GCM Context (solicited)

14:15–14:30; EGU2008-A-06133; CL21-1MO3O-004

Peel, M.C.; McMahon, T.A.; Smith, I.N.

Global catchment based comparison of observed and HadGEM modelled precipitation, temperature and Köppen climate type

14:30–14:45; EGU2008-A-04870; CL21-1MO3O-005

Kim, J.; Pennell, C.; **Reichler, T.**

Regional Performance of the IPCC-AR4 Models in Simulating Present-Day Mean Climate

14:45–15:00; EGU2008-A-11563; CL21-1MO3O-006

Teixeira, J.; Team, GPCI

The GCSS/WGNE Pacific Cross-section Intercomparison (GPCI): evaluating the physics of climate models (solicited)

15:00 END OF SESSION

CL21 Generality of climate models and their components (co-listed in AS & NP) – Posters

Convener: Arritt, R.

Co-Convener(s): Rockel, B., Williamson, D.

Display Time: Monday, 08:00–19:30

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Poster Area Halls X/Y

Chairperson: N.N.

XY0191; EGU2008-A-07703; CL21-1MO5P-0191

Onol, B.; Unal, Y.S.; **Kahraman, A.**

Sensitivity analysis of regional climate model (RegCM3) over Turkey

XY0192; EGU2008-A-04693; CL21-1MO5P-0192

Krichak, S.O.; Alpert, P.; Kunin, P.

Transferability evaluation of the ICTP RegCM3 in simulations of European climate

XY0193; EGU2008-A-04210; CL21-1MO5P-0193

Bozkurt, D.; Sen, O.L.; Karaca, M.

Wet season evaluation of RegCM3 performance for Eastern Mediterranean

XY0194; EGU2008-A-03295; CL21-1MO5P-0194

Rockel, B.; Geyer, B.; Jones, C.G.; Meinke, I.; Paquin, D.; Roads, J.; Zadra, A.

Intercomparison of results from four regional climate models to observations in the Inter-Continental Transferability Study (ICTS)

XY0195; EGU2008-A-10208; CL21-1MO5P-0195

Dobler, A.; Ahrens, B.; Yaoming, M.; Sharma, N.

Precipitation modeling in Europe and South-Asia

XY0196; EGU2008-A-10274; CL21-1MO5P-0196

Kaspar, F.; Schulz, J.; Fuchs, P.; Müller, R.; Jonas, M.; Hollmann, R.

CM-SAF satellite-based datasets for validation of regional climate models

XY0197; EGU2008-A-10001; CL21-1MO5P-0197

Marras, S.; Jimenez-Guerrero, P.; Jorba, O.; Baldasano, J.M. A statistics-based validation of the Whole-Atmosphere Community Climate Model (WACCM) results against the ERA-40 reanalysis data: highlights of the Detrended Fluctuation Analysis (DFA)

XY0198; EGU2008-A-01337; CL21-1MO5P-0198

Mendes, D.; Marengo, J

Measuring projections of climate change skill: south America precipitation using IPCC models

XY0199; EGU2008-A-03170; CL21-1MO5P-0199

Tachiiri, K.; Oka, A.; Hargreaves, J. C.; Annan, J. D.; Kawamiya, M.

MIROC-lite: a new EMIC based on MIROC

XY0200; EGU2008-A-04871; CL21-1MO5P-0200

Reichler, T.; Kim, J.

Uncertainties in the Climate Mean State of Global Reanalyses, Observations, and the GFDL Climate Model

XY0201; EGU2008-A-06594; CL21-1MO5P-0201

Göttel, H.; Jacob, D.

Modelling of extreme precipitation over the North Atlantic Ocean

XY0202; EGU2008-A-05927; CL21-1MO5P-0202

Abiodun, B.; **Gutowski, W.;** Prusa, J.

Implementation of a non-hydrostatic, adaptive-grid dynamics core in CAM3

CL22 Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by ILEAPS & GLASS; co-listed in AS, BG & HS)

Convener: Seneviratne, S.
Co-Convener(s): van den Hurk, B., Ciais, P.
Lecture Room 26
Chairperson: SENEVIRATNE, S.I.

8:30–9:00; EGU2008-A-04342; CL22-1MO1O-001

Bonan, G.

Advances in land-climate interactions for earth system models: The Community Land Model (CLM) experience (solicited)

9:00–9:15; EGU2008-A-04022; CL22-1MO1O-002

Alkama, R.; Kageyama, M.; Ramstein, G.; DeNoblet, N.; Friedlingstein, P.

6.2 The impacts of climate, CO₂, LAI changes on the global runoff trend during the 20th and 21st century

9:15–9:30; EGU2008-A-08030; CL22-1MO1O-003

Weber, U.; Reichstein, M.; Chevallier, F.; Lehsten, V.; Kaduk, J.

Model intercomparison of African carbon balance using a new 28 year climate dataset

9:30–9:45; EGU2008-A-00836; CL22-1MO1O-004

Grimm, A.; Pal, J.; Giorgi, F.

The role of land-atmosphere interactions in the evolution of the summer monsoon rainfall in South America

9:45–10:00; EGU2008-A-01136; CL22-1MO1O-005

Hagemann, S.; Göttel, H.; Jacob, D.; Lorenz, P.; Roeckner, E.

Projected changes of the hydrological cycle over large European catchments as simulated by the MPI-M global and regional climate models

10:00–10:15; EGU2008-A-10413; CL22-1MO1O-006

Gestal-Souto, L.; Miguez-Macho, G.

A high resolution calculation of the climatology water table depth and the climatology soil moisture profile for Europe: does the water table matter?

10:15 COFFEE BREAK

Chairperson: VAN DEN HURK, B.

10:30–11:00; EGU2008-A-04973; CL22-1MO2O-001

Kerr, Y

Soil moisture retrieval from space: how and what for (solicited)

11:00–11:15; EGU2008-A-04134; CL22-1MO2O-002

Taylor, C. M.; Garvert, M.; Harris, P. P.; Parker, D. J.

Observing soil moisture - precipitation feedbacks: a case study from the AMMA field campaign

11:15–11:30; EGU2008-A-01491; CL22-1MO2O-003

Santanello, J.A.; Peters-Lidard, C.D.; Kumar, S.

A Modeling and Observational Framework for Diagnosing Local Land-Atmosphere Coupling on Diurnal Time Scales

11:30–11:45; EGU2008-A-02810; CL22-1MO2O-004

Winter, JM; Eltahir, EAB

The sensitivity of latent heat flux to changes in the radiative forcing: A framework for comparing models and observations

11:45–12:00; EGU2008-A-09282; CL22-1MO2O-005

Wood, E.F.; Ferguson, C.R.; Albertson, J.D.

Multi-scale analysis of soil moisture estimation and its dynamical coupling to the lower atmosphere. (solicited)

CL22 Land-climate interactions from models and observations: Implications from past to future climate (co-sponsored by ILEAPS & GLASS; co-listed in AS, BG & HS) – Posters

Convener: Seneviratne, S.
Co-Convener(s): van den Hurk, B., Ciais, P.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0203; EGU2008-A-03405; CL22-1MO5P-0203

Putt, D.; Haines, K.; Liu, C

Land surface sensitivity studies with a coupled climate model

XY0204; EGU2008-A-04054; CL22-1MO5P-0204

Anders, I.; Rockel, B.

The influence of prescribed soil type distribution on a regional climate models representation of observed climate

XY0205; EGU2008-A-03000; CL22-1MO5P-0205

Jaeger, E. B.; Stöckli, R.; Lüthi, D.; Seneviratne, S. I.

Validation of planetary boundary layer fluxes and land-atmosphere coupling of the CLM regional climate model with European fluxnet observations

XY0206; EGU2008-A-08089; CL22-1MO5P-0206

Matthieu Guimberteau, MG; Katia Laval, KL; Alain Perrier, AP; Jan Polcher, JP

Simulation of soil moisture over the state of Illinois, by the land surface model ORCHIDEE using NLDAS forcing data: comparison with observations

XY0207; EGU2008-A-10082; CL22-1MO5P-0207

Balsamo, G.; Viterbo, P.; Beljaars, A.; van den Hurk, B.; Betts, A.

A new hydrology in the ECMWF land surface scheme

XY0208; EGU2008-A-07062; CL22-1MO5P-0208

Wipfler, L.; Metselaar, K.; van Dam, J.; Zwart, S.; van den Hurk, B.; Feddes, R.

Modification and testing of the ECMWF land surface scheme

XY0209; EGU2008-A-01216; CL22-1MO5P-0209

Haarsma, R.; van den Hurk, B.; Selten, F.

Impact of southern and central European land surface heating induced by greenhouse warming on the atmospheric circulation

XY0210; EGU2008-A-08589; CL22-1MO5P-0210

Seneviratne, S.I.; Della-Marta, P.; Lüthi, D.

Impact of land-atmosphere coupling for projected changes in precipitation in Central Europe

XY0211; EGU2008-A-07056; CL22-1MO5P-0211

Hohenegger, C.; Brockhaus, P.; Schär, C.

The soil-moisture precipitation feedback in cloud-resolving models

XY0212; EGU2008-A-05613; CL22-1MO5P-0212

Wang, G.; (Han) Dolman, A.J.

Temporal Variability of Soil Moisture in Reanalysis Datasets

XY0213; EGU2008-A-08912; CL22-1MO5P-0213

Beck, A.; Ahrens, B.

Assessment of soil-moisture memory in a limited-area seasonal prediction framework

XY0214; EGU2008-A-05036; CL22-1MO5P-0214

Ashton, H.; Taylor, C; Slingo, J

The use of satellite data to improve land surface model simulations in soil moisture stressed conditions

XY0215; EGU2008-A-01300; CL22-1MO5P-0215

Teuling, A.J.; Seneviratne, S.I.

Contrasting spectral changes limit albedo impact on land-atmosphere coupling during the 2003 European heat wave

XY0216; EGU2008-A-11444; CL22-1MO5P-0216
Mazzola, M.; Lanconelli, C.; Campanelli, M.; Lupi, A.; Vitale, V.; Tomasi, C.
Retrieval of the Earth's surface reflectance over the Po Valley (Italy) from MISR data using a BRDF approach

XY0217; EGU2008-A-04564; CL22-1MO5P-0217
Pinty, B.; Laverigne, T.; Kaminski, T.; Gobron, N.; Taberner, M.
Partitioning the solar fluxes in forest canopies in the presence of snow

XY0218; EGU2008-A-06747; CL22-1MO5P-0218
Gornall, J.L.; Ineson, P.; Huntley, B.; Baxter, R.
Towards a mechanistic understanding of current and future carbon dynamics in arctic tundra ecosystems

XY0219; EGU2008-A-07281; CL22-1MO5P-0219
O'Donnell, D.; Feichter, J.
Global modelling of secondary organic aerosols in present and future climates with the ECHAM5/HAM model

XY0220; EGU2008-A-02898; CL22-1MO5P-0220
Martynov, A.; Laprise, R.; Sushama, L.
Off-line lake water and ice simulations: a step towards the interactive lake coupling with the Canadian Regional Climate Model

XY0221; EGU2008-A-10312; CL22-1MO5P-0221
Kanamaru, H.; Kanamitsu, M.
Model Diagnosis of Nighttime Minimum Temperature Warming in Irrigated Cropland

XY0222; EGU2008-A-08390; CL22-1MO5P-0222
Karaca, M.; Ekici, A.; Sen, O.L.; Yesilnacar, I.; Kindap, T.
Irrigation induced climate change in Southeastern Turkey

XY0223; EGU2008-A-10338; CL22-1MO5P-0223
Alessandri, A.; Navarra, A.
On the coupling between vegetation and rainfall inter-annual anomalies: possible contributions to seasonal rainfall predictability over land areas

XY0224; EGU2008-A-08432; CL22-1MO5P-0224
Koffi, E.; Rayner, P.; Kaminski, T.; Scholze
> (2) and R. Giering (, M.; Voßbeck, M.; Giering, R.
Quantitative network design for biosphere model process parameters

XY0225; EGU2008-A-11418; CL22-1MO5P-0225
Kiang, NY; Aleinov, I.; Ni-Meister, W.; Moorcroft, PR; Koster, RD; Kharecha, P.; Kim, Y.; Yang, W.; Puma, M
The Ent Dynamic Global Terrestrial Ecosystem Model (DGTEM) in the GISS GCM: Algorithms for mixed vegetation communities (cancelled)

XY0226; EGU2008-A-06687; CL22-1MO5P-0226
Ortu, E.; Klotz, S.; Brugiapaglia, E.; Siniscalco, C.; Caramiello, R.
Lapse rates-induced variations of the vegetation cover in the North-western Alps: a model for quantitative reconstruction from pollen data

XY0227; EGU2008-A-06474; CL22-1MO5P-0227
Hänsler, A.; Hagemann, S.; Jacob, D.
Determining southern Africa's climate characteristics that are essential for the identification of the impacts of future land use change on the regional climate

XY0228; EGU2008-A-06861; CL22-1MO5P-0228
van der Molen, M.K.; van den Hurk, B.; Hazeleger, W.
Land Use and Climate Change, historic simulations with EC-EARTH

XY0229; EGU2008-A-07665; CL22-1MO5P-0229
Topay, M.; Cinar, I.
Determining of bioclimatic comfort structure of Suleyman Demirel University East Campuses situated in the back of Mediterranean Region.

XY0230; EGU2008-A-07993; CL22-1MO5P-0230
Korhola, A.; Kulmala, M.; Vesala, T.; **Nyman, M.**
Science Workshop on past, present and future climate change

CL30 Arctic and subarctic ocean circulation and climate change - natural and anthropogenic forcing (co-listed in CR)

Convener: Hald, M.
Co-Convener(s): Kuijpers, A., Stein, R., Jungclaus, J., Sicre, M., Koc, N.
Lecture Room 26
Chairperson: KOC, N.

13:30–13:45; EGU2008-A-02123; CL30-1MO3O-001
Wanner, H.; Bütikofer, J.; Beer, J.; Joos, F.; Müller, S.
Holocene Bond Cycles – real or imaginary?

13:45–14:00; EGU2008-A-02761; CL30-1MO3O-002
Rühlemann, C.; Knies, J.; Milzer, G
Holocene centennial to decadal-scale climate fluctuations in the Trondheimsfjord area

14:00–14:15; EGU2008-A-09664; CL30-1MO3O-003
Spielhagen, RF; Hass, HC
The Holocene record of surface and bottom waters on the northern Yermak Plateau (Arctic Ocean)

14:15–14:30; EGU2008-A-06553; CL30-1MO3O-004
Ebbesen, H.; Kuijpers, A.; Seidenkrantz, M.-S.; Moros, M.; Lloyd, J.
Ocean circulation changes off (south) west Greenland since the Last Glacial Maximum – A summary of results from the Davis Strait Arctic Gateway project

14:30–14:45; EGU2008-A-03206; CL30-1MO3O-005
Wollenburg, J.E.; Mackensen, A.
Benthic foraminiferal biodiversity response to a changing Arctic palaeoclimate in the last 24,000 years

14:45–15:00; EGU2008-A-07844; CL30-1MO3O-006
O'Regan, M.; Frank, M.; Haley, B.; St. John, K.; Backman, J.; Moran, K.; Vogt, C.; Jakobsson, M.; King, J.; Ashmankas, C.
North Atlantic inflow and ice-coverage in the central Arctic Ocean: Neogene records from the Lomonosov Ridge.

15:00 COFFEE BREAK

Chairperson: SPIELHAGEN, R.

15:30–15:45; EGU2008-A-06443; CL30-1MO4O-001
Hofer, D.; Raible, C.C.; Stocker, T.F.
Ocean variability and connections to the atmosphere in an ensemble of 1500 to 2000 AD simulations

15:45–16:00; EGU2008-A-06281; CL30-1MO4O-002
Masse, G.; Belt, S.; Sicre, M.-A.; Rowland, S.
Abrupt climate changes during the last millennium: evidence from high resolution sea ice reconstructions.

16:00–16:15; EGU2008-A-03623; CL30-1MO4O-003
Zhu, X.; Jungclaus, J.; Fraedrich, K.
Multidecadal variability of the Meridional Overturning Circulation as an air-sea coupled mode

16:15–16:30; EGU2008-A-07603; CL30-1MO4O-004
Saher, M.H.; Klitgaard-Kristensen, D.; Hald, M.; Lindal Jørgensen, L.
Modern benthic foraminifera responding to recent environmental changes in the Barents Sea

16:30–16:45; EGU2008-A-09668; CL30-1MO4O-005
Bauch, H.A.; Kassens, H.; Meyer, H.; Polyakova, Ye.; Rekant, P.
Alteration of submarine permafrost at the North Siberian continental margin

16:45–17:00; EGU2008-A-11259; CL30-1MO4O-006
Winkelmann, D.; Stein, R.; Schäfer, C.; Meckensen, A.
Events of enhanced terrigenous input to the Sophia Basin, Arctic Ocean

17:00 END OF SESSION

CL30 Arctic and subarctic ocean circulation and climate change - natural and anthropogenic forcing (co-listed in CR) – Posters

Convener: Hald, M.
Co-Convener(s): Kuijpers, A., Stein, R., Jungclaus, J., Sicre, M., Koc, N.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0231; EGU2008-A-07025; CL30-1MO5P-0231
Bartels-Jónsdóttir, H.B.; Knudsen, K.L.; Eiríksson, J.
Reconstruction of temperature and oceanography through the last 1000 years north of Iceland

XY0232; EGU2008-A-07128; CL30-1MO5P-0232
Opel, T.; Fritzsche, D.; Meyer, H.; Schütt, R.; Ruth, U.; Fischer, H.; Wilhelms, F.; Weiler, K.
A 1,500 year ice core record of Akademii Nauk ice cap (Severnaya Zemlya) – Long term changes of climate, environment and aerosols in the Central Russian Arctic

XY0233; EGU2008-A-09053; CL30-1MO5P-0233
Wilson, L.J.; Hald, M.; Husum, K.; Salomonsen, G.
Comparison and quantification of marine palaeoclimate trends of the last 2000 years from Arctic Norway.

XY0234; EGU2008-A-06394; CL30-1MO5P-0234
Schmith, T.; Kuijpers, A.; Seidenkrantz, M.-S.; Malmgren, B. A.
Internal ocean variability responsible for the Medieval Warm Period – Little Ice Age transition ?

XY0235; EGU2008-A-05541; CL30-1MO5P-0235
Sicre, M.-A.; Ezat, U.; Guimbaut, E.; Dahhaoui, I.; Rousse, S.; Yiou, P.; Eiríksson, J.; Knudsen, K.-L.; Jansen, E.; Turon, J.-L.
A 4500-year record of Sea Surface Temperatures at decadal time-scale in the North Atlantic core

XY0236; EGU2008-A-11947; CL30-1MO5P-0236
Hald, M.; Korsun, S.
The 8200 cal. year BP event reflected in the Arctic fjord Van Mijenfjorden, Svalbard.

XY0237; EGU2008-A-12061; CL30-1MO5P-0237
Werner, K.; **Spielhagen, R.F.;** Hass, H.C.; Niessen, F.
Correlation of sediment cores with high Holocene time resolution from the western Svalbard margin

XY0238; EGU2008-A-05275; CL30-1MO5P-0238
Naughton, F.; Bourillet, J.-F.; Sánchez Goñi, M. F.; Turon, J.-L.; Jouanneau, J.-M.
Long-term and millennial-scale climate variability in north-western France during the last 8850 years

XY0239; EGU2008-A-06130; CL30-1MO5P-0239
Klitgaard-Kristensen, D.; Skirbekk, K.; Koc, N.; Rasmussen, T.L.
Changes in the flow of Atlantic water into Kongsfjorden, Svalbard, through the Holocene

XY0240; EGU2008-A-03718; CL30-1MO5P-0240
Knutz, P. C.; Ebbesen, H.; Christiansen, S.; Kuijpers, A.
Increased iceberg discharges from SW Greenland during the Allerød and early Holocene warm intervals: Implications for the Younger Dryas and 8.2 ka cooling events

XY0241; EGU2008-A-03264; CL30-1MO5P-0241
Lloyd, J.; Moros, M.; McCarthy, D.; Snowball, I.; Sandgren, P.; Kuijpers, A.
Deglaciation and palaeoceanographic evolution of the Disko Bay and Uummannaq area of West Greenland

XY0242; EGU2008-A-08127; CL30-1MO5P-0242
Ewertowski, M.; Szuman, I.
Sediments of ice-cored moraine landsystem, Ragnar glacier, Central Spitsbergen

XY0243; EGU2008-A-12062; CL30-1MO5P-0243
Van Nieuwenhove, N.; Bauch, H.A.
Surface conditions and evolution of the Norwegian Sea during MIS 5e, based on dinoflagellate cyst assemblages

XY0244; EGU2008-A-12060; CL30-1MO5P-0244
Stickley, C.E.; Koc, N.; Brumsack, H.-J.; Jordan, R.W.; Suto, I.
Siliceous microfossil derived salinity changes in the early middle Eocene central Arctic

XY0245; EGU2008-A-09167; CL30-1MO5P-0245
Sakamoto, T.; Iijima, K.; Sugisaki, S.
High-resolution sea-ice and ocean circulation history during 18 Ma: upper 200 m core section obtained by IODP Expedition 302 (ACEX)

XY0246; EGU2008-A-01744; CL30-1MO5P-0246
Timmermann, A.; Okumura, Y.
The influence of a weakening of the Atlantic meridional overturning circulation on Pacific climate (cancelled)

XY0247; EGU2008-A-05168; CL30-1MO5P-0247
Semenov, V. A.; Latif, M.; Jungclaus, J. H.
Multicentury oscillation of the North Atlantic Thermohaline Circulation in a partially coupled AOGCM experiment

XY0248; EGU2008-A-05485; CL30-1MO5P-0248
von der Heydt, A.; Frankcombe, L.; Dijkstra, H.A.
Atlantic Multidecadal Variability in an ensemble of coupled climate model simulations

XY0249; EGU2008-A-01737; CL30-1MO5P-0249
Braun, H.; Ganopolski, A.; Ditlevsen, P.
Limitations of statistical standard methods in analysing Dansgaard-Oeschger events

XY0250; EGU2008-A-03106; CL30-1MO5P-0250
Hejkrlik, L.;
Synodic variation of precipitation in the spotlight of different time scales

XY0251; EGU2008-A-06370; CL30-1MO5P-0251
Lirer, F.; Sprovieri, M.; Pelosi, N.; Ferraro, L.
Secular variation in planktonic foraminiferal Tyrrhenian record in the last 2000 years

XY0252; EGU2008-A-11802; CL30-1MO5P-0252

Vieira, L.E.; Da Silva, L.; Guarnieiri, F.

Evidences of the solar influence on the tropical Pacific atmospheric circulation during last fifty years in the southern hemisphere magnetic anomaly region

XY0253; EGU2008-A-11962; CL30-1MO5P-0253

Taldenkova, E.; **Bauch, H.A.;** Stepanova, A.; Pogodina, I.; Ovsepyan, Ya.; Nikolaev, S.; Kandiano, E.; Kassens, H.

Atlantic-derived water inflows and environmental changes of the western Laptev Sea continental margin during the last 17.5 cal.yrs

CL33 Production, flux and burial of silica, and the regulation of global (paleo)cycles – Posters

Convener: Romero, O.

Co-Convener(s): Crosta, X., Claquin, P.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0254; EGU2008-A-01412; CL33-1MO5P-0254

Stickley, C.E.; Koç, N.

The ACEX siliceous microfossils: middle Eocene biogenic silica production and preservation in the central Arctic

XY0255; EGU2008-A-11651; CL33-1MO5P-0255

Polyakova, Ye.; Stein, R.; Bauch, H.

Deposition of diatoms within “marginal filter zone” of the Eurasian Arctic Shelf Seas: implication for paleoenvironmental reconstructions

XY0256; EGU2008-A-03458; CL33-1MO5P-0256

Denis, D.; Crosta, X.; Schmidt, S.; Crespín, J.; Ther, O.; Billy, I.

Climate and productivity changes off Adélie Land (East Antarctica) during the Holocene: century to millennial timescales

XY0257; EGU2008-A-00982; CL33-1MO5P-0257

French, M. A.; Robert, M.; Terbruggen, A.; Jickells, T. D.; Passow, U.

Dissolution of biogenic silica frustules of Southern Ocean diatoms at low temperatures

XY0258; EGU2008-A-07940; CL33-1MO5P-0258

Romero, O.E.; Rixen, T.; Herunadi, B.

Seasonal and Interannual Dynamics of the Diatom Productivity off Java, Indonesia

XY0259; EGU2008-A-00404; CL33-1MO5P-0259

Swann, GEA; Leng, MJ; Sloane, HJ

Possible vital effects in diatom oxygen isotopes

XY0260; EGU2008-A-06486; CL33-1MO5P-0260

Cardinal, D.; Chou, L.; Carboneel, V.; André, L.

Si isotopic constraints on the Si cycle in a watershed under high anthropogenic pressure (Scheldt, Belgium)

XY0261; EGU2008-A-01146; CL33-1MO5P-0261

Descles, J; Vartanian, M.; Quinet, M.; **Lopez, P.J.**

Silica biomineralization in diatoms: models and tools

XY0262; EGU2008-A-12283; CL33-1MO5P-0262

Claquin, P.; Clemént-Larosière, B.; Véron, B.

Effects of Si limitation on cellular carbon fluxes and frustule composition in the marine diatom *Skeletonema marinoi*

XY0263; EGU2008-A-12285; CL33-1MO5P-0263

Soler, C.; Claquin, P.; Goutx, M.; Ragueneau, O.

Si-C interactions in the diatom frustule

CL39 Climate tracers for the present to the deep past: observations, models and proxies

Convener: Paul, A.

Co-Convener(s): Vance, D., Lohmann, G., Valdes, P., Ramstein, G.

Lecture Room 14

Chairperson: N.N.

10:30–10:45; EGU2008-A-11322; CL39-1MO2O-001

Danis, P.A.; **Hoffmann, G.;** Masson-Delmotte, V.

The water isotopic signal in tree ring cellulose: A model analysis over Europe

10:45–11:00; EGU2008-A-05579; CL39-1MO2O-002

Herguera, J. C.; Mortyn, P. G.; Herbert, T.; Charles, C.

Mg/Ca in benthic foraminifera in the NE Pacific margin: tracers of temperature and carbonate undersaturation in intermediate waters

11:00–11:15; EGU2008-A-09552; CL39-1MO2O-003

Hillaire-Marcel, C.; de Vernal, A.; Hélie, J.-F.; McKay, J.

Elusive isotopic properties of deglacial meltwater spikes into the North Atlantic

11:15–11:30; EGU2008-A-01452; CL39-1MO2O-004

Marchal, O.; Curry, W.

Interpretation of marine sediment data as an inverse problem (solicited)

11:30–11:45; EGU2008-A-03800; CL39-1MO2O-005

Nürnberg, D.; Ziegler, M.; Karas, C.; Tiedemann, R.; Schmidt, M.

Interacting Loop Current variability and Mississippi discharge over the past 400 kyrs

11:45–12:00; EGU2008-A-11170; CL39-1MO2O-006

Lunt, D.J.; Foster, G.; Haywood, A.

Carbon Dioxide decrease led to Greenland glaciation in the Late Pliocene

12:00 END OF SESSION

CL39 Climate tracers for the present to the deep past: observations, models and proxies – Posters

Convener: Paul, A.

Co-Convener(s): Vance, D., Lohmann, G., Valdes, P., Ramstein, G.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0264; EGU2008-A-04240; CL39-1MO5P-0264

Risi, C.; Bony, S

The distribution of water stable isotopes simulated in the present-day climate by the LMDZ GCM

XY0265; EGU2008-A-03943; CL39-1MO5P-0265

Scrivner, A.E.; Piotrowski, A.M.; Elmore, A.C.; Wright, J.D.

Reconstructing past surface and deep water neodymium isotope compositions in the North Atlantic

XY0266; EGU2008-A-06435; CL39-1MO5P-0266

Outridge, P.; Sanei, H.; Stern, G.; Goodarzi, F

The sedimentary profiles of mercury and pyrolysable organic carbon as a long-term recorder of aquatic primary productivity and springtime temperatures for Arctic lakes (cancelled)

XY0267; EGU2008-A-11176; CL39-1MO5P-0267
Lohmann, G.
Representativeness of paleoclimate records: Large-scale climate modes

XY0268; EGU2008-A-10935; CL39-1MO5P-0268
Paul, A.; Kucera, M.
How to deal with uncertainty and the propagation of errors in a multi-proxy reconstruction of climate

XY0269; EGU2008-A-04979; CL39-1MO5P-0269
Seelos, K.; Sirocko, F.; Dietrich, S.
The reconstruction of wind directions for the Eifel region (Western Germany) during the period 45 - 15 ka BP

XY0270; EGU2008-A-11842; CL39-1MO5P-0270
Murakami, S.; Kitoh, A.
A coupled AOGCM simulation of the last glacial inception

XY0271; EGU2008-A-09384; CL39-1MO5P-0271
Leduc, G.; Vidal, L.; Cartapanis, O.; Bard, E.
Modes of Eastern Equatorial Pacific thermocline variability: implications for ENSO dynamics over the last glacial period

XY0272; EGU2008-A-10602; CL39-1MO5P-0272
Kawamura, K.; Lisiecki, L.; Raymo, M.E.; Severinghaus, J.P.; Matsushima, H.; Aoki, S.; Nakazawa, T.
Precession pacing of 100-ky climatic cycles over the last 470 ky

XY0273; EGU2008-A-03688; CL39-1MO5P-0273
Karas, C.; Nürnberg, D.; Gupta, A.; Mohan, K.
The rapid constriction of the Indonesian Gateway across 3.4-3 Ma as a main contributing factor for global climate change

XY0274; EGU2008-A-11365; CL39-1MO5P-0274
Harwood, D.M.; Florindo, F.; Talarico, F.; Levy, R.H.; SMS Science Team
Initial results of ANDRILL's Southern McMurdo Sound Project drillcore AND-2A: early Miocene to Recent geological history of the Victoria Land Basin, Antarctica

XY0275; EGU2008-A-08631; CL39-1MO5P-0275
Roscher, M.R.
Permian climate development, new insights from numeric modelling based on a modified palaeogeography

XY0276; EGU2008-A-08858; CL39-1MO5P-0276
Berner, U.; Roscher, M.; Schneider, J.W.
Climate of the Late Palaeozoic – Insights from climate modeling and its implications for source and reservoir rocks

CL40 Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, NP & OS)

Convener: Lucarini, V.
Co-Convener(s): Kimoto, M., Van Ulden, A.
Lecture Room 14
Chairperson: LUCARINI, V.

15:30–15:45; EGU2008-A-09671; CL40-1MO4O-001
Forest, C.E.; Sokolov, A.P.; Stone, P.H.
Constraining climate system properties using 20th century observations and the implications for the CMIP3 ensemble results (solicited)

15:45–16:00; EGU2008-A-09268; CL40-1MO4O-002
Boer, G.J.; Lambert, S.
Energetics in Atmospheric Climate Models (solicited)

16:00–16:15; EGU2008-A-02308; CL40-1MO4O-003
Konor, C.; Cazes-Boezio, G.; Mechoso, C. R.; Arakawa, A.
Parameterization of PBL processes in an Atmospheric General Circulation Model: Description and Preliminary Assessment

16:15–16:30; EGU2008-A-01119; CL40-1MO4O-004
Buehler, S.; Milz, M.; Eliasson, S.
Upper tropospheric humidity and cloud ice - comparing global climate models and satellite observations

16:30–16:45; EGU2008-A-03036; CL40-1MO4O-005
Jaeger, E. B.; Anders, I.; Lüthi, D.; Rockel, B.; Schär, C.; Seneviratne, S. I.
Analysis of ERA40-driven RCM simulations for Europe

16:45–17:00; EGU2008-A-02633; CL40-1MO4O-006
Weber, S.L.; PMIP members, -
Mechanisms for the glacial AMOC response: a lesson for the future?

17:00 END OF SESSION

CL40 Climate Models Intercomparison: Dynamics and Physical Processes (co-listed in AS, NP & OS) – Posters

Convener: Lucarini, V.
Co-Convener(s): Kimoto, M., Van Ulden, A.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: VAN ULDEN, A.

XY0277; EGU2008-A-11818; CL40-1MO5P-0277
Will, A.; Keuler, K.; Radtke, K.; Woldt, M.
Quality Control of a climate change ensemble simulation over Europe with the regional climate model COSMO-CLM

XY0278; EGU2008-A-04082; CL40-1MO5P-0278
Anders, I.; von Storch, H.; Rockel, B.
Analysis of near surface wind speed results from a multi model ensemble

XY0279; EGU2008-A-02811; CL40-1MO5P-0279
Alpert, P.; Kitoh, A.; Yatagai, A.; Krichak, S.; Kunin, P.; Fengjun, J.
First super-high-resolution modeling study that the ancient "Fertile Crescent" will disappear in this century and comparison to regional climate models

XY0280; EGU2008-A-01649; CL40-1MO5P-0280
Pishvaei, M. R.; Lapin, M.
Regional Circulation Effects Reflected by Cyclonicity Indices over Eastern Mediterranean Sea

XY0281; EGU2008-A-02383; CL40-1MO5P-0281
Prömmel, K.; Geyer, B.; Jones, J.M.; Widmann, M.
Analysis of a high-resolution regional climate simulation for alpine temperature: validation and influence of the NAO

XY0282; EGU2008-A-01495; CL40-1MO5P-0282
de Jong, M.F.; Drijfhout, S.S.; Hazeleger, W.; van Aken, H.M.; Severijns, C.A.
Simulations of hydrographic properties in the north western North Atlantic Ocean in Global Climate Models

XY0283; EGU2008-A-03368; CL40-1MO5P-0283
Feldmann, H.; Früh, B.; Schädler, G.; Panitz, H.-J.
Evaluation of the precipitation for south-west Germany from high resolution simulations with regional climate models

XY0284; EGU2008-A-03370; CL40-1MO5P-0284
Alvarez-Garcia, F. J.; Perez-Gonzalez, I.; CabosNarvaez, W.; OrtizBevia, M. J.
North Atlantic Decadal variability in the CMIP3 multi-model dataset

XY0285; EGU2008-A-04389; CL40-1MO5P-0285
Bender, F.; Ekman, A.; Rodhe, H.
Response to the eruption of Mount Pinatubo in relation to climate sensitivity in the CMIP3 models

XY0286; EGU2008-A-04913; CL40-1MO5P-0286
Kusunoki, S.; Arakawa, O.; Kitoh, A.
Precipitation intensity of East Asian summer monsoon simulated by CMIP3 models

XY0287; EGU2008-A-06242; CL40-1MO5P-0287
Bellon, G.
Multiple equilibria of the Hadley circulation: a cause for the double ITCZ?

XY0288; EGU2008-A-06068; CL40-1MO5P-0288
Yokoi, S.; Takayabu, YN; Chan, JCL
Seasonal march of tropical cyclogenesis simulated in eight climate models from WCRP CMIP3 multimodel dataset

XY0289; EGU2008-A-06193; CL40-1MO5P-0289
Oshima, K.; Tanimoto, Y.
Pacific Decadal Oscillation in IPCC AR4 20th century climate simulations

XY0290; EGU2008-A-09031; CL40-1MO5P-0290
Karpechko, A.Yu.; Gillett, N.P.; Marshall, G.J.
Climate impacts of the Southern Annular Mode simulated by the IPCC AR4 models

XY0291; EGU2008-A-02919; CL40-1MO5P-0291
Williamson, D.; Nakagawa, M.; Klein, S.; Earnshaw, P.; Nunes, A.; Roads, J.
Transpose AMIP: a process oriented climate model intercomparison using model forecasts and field campaign observations

XY0292; EGU2008-A-03283; CL40-1MO5P-0292
Dell'Aquila, A.; Felici, M.; Ruti, P.; Speranza, A.; Vitolo, R.; Lucarini, V.
Accessing extremes of mid-latitudinal wave activity: methodology and application on a GCM

XY0293; EGU2008-A-11713; CL40-1MO5P-0293
Lainé, A.; Kageyama, M.; Salas-Méla, D.; Ramstein, G.; Planton, S.; Denvil, S.; Tyteca, S.
An energetic study of Northern hemisphere storm-tracks under 4xCO₂ conditions in two ocean-atmosphere coupled models

XY0294; EGU2008-A-07606; CL40-1MO5P-0294
Chiodo, G.; Giorgetta, M.; Raschke, E.; Kinne, S.
Sensitivity in ECHAM5 to variations at low sun elevations

Tuesday

CL2 Monthly, seasonal and decadal forecasting

Convener: Doblas-Reyes, F.
Co-Convener(s): Liniger, M., van Oldenborgh, G.
Lecture Room 26
Chairperson: N.N.

13:30–13:45; EGU2008-A-11008; CL2-1TU3O-001
Cassou, C.
Madden-Julian Oscillation influence on North Atlantic weather regimes at medium-range timescales

13:45–14:00; EGU2008-A-06834; CL2-1TU3O-002
Douville, H.
Looking for improved seasonal predictions in the extratropics: what is the route ?

14:00–14:15; EGU2008-A-03796; CL2-1TU3O-003
Della-Marta, P.M.; Liniger, M.A.; Appenzeller, C.
Predictability, return period and potential loss of European winter storms in seasonal forecast data

14:15–14:30; EGU2008-A-03555; CL2-1TU3O-004
DUBUS, L.; NOGAJ, M.; FISCHER, M.
Seasonal forecasts of electricity demand in France : a first evaluation using the DEMETER system.

14:30–14:45; EGU2008-A-09336; CL2-1TU3O-005
Boer, G.J.
Decadal-timescale potential predictability of precipitation and temperature and changes with climate change

14:45–15:00; EGU2008-A-07509; CL2-1TU3O-006
Keenlyside, N.; Latif, M.; Jungclaus, J.; Kornblueh, L.; Park, W.
Decadal prediction: Closing the gap between climate projections and seasonal forecasts

15:00 END OF SESSION

CL2 Monthly, seasonal and decadal forecasting – Posters

Convener: Doblas-Reyes, F.
Co-Convener(s): Liniger, M., van Oldenborgh, G.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0114; EGU2008-A-03924; CL2-1TU5P-0114
Vintzileos, A.; Marchok, T.; Pan, H.-L.; Lord, S.J.
Prospects for subseasonal forecasting of atlantic tropical cyclone activity

XY0115; EGU2008-A-00842; CL2-1TU5P-0115
Grimm, A.; Zilli, M.; Cavalcanti, I.
Is the link between early and peak monsoon rainfall in South America reproduced in seasonal forecasts?

XY0116; EGU2008-A-03837; CL2-1TU5P-0116
Müller, W. A.; Keenlyside, N.; Latif, M.
Projections of seasonal climate forecast

XY0117; EGU2008-A-02642; CL2-1TU5P-0117
Benestad, R.E.; Senan, R.; Kindem, I.T.; Orsolini, Y.J.; Melsom, A.
Arctic influence and month-to-season scale predictability over northern Europe

XY0118; EGU2008-A-03921; CL2-1TU5P-0118
Ionita, M.; Lohmann, G.; Rambu, N.
Prediction of spring Elbe discharge based on stable teleconnections with winter global temperature and precipitation

XY0119; EGU2008-A-10461; CL2-1TU5P-0119
Alessandri, A.; Carril, A.F.; Cherchi, A.; Di Pietro, P.; Gualdi, S.; Masina, S.; Navarra, A.; Scoccimarro, E.; Troccoli, A.
Seasonal predictions at INGV-CMCC: Sensitivity to the improvement in ocean initial conditions.

XY0120; EGU2008-A-11664; CL2-1TU5P-0120
Fallah-GH, GH-A.; Habibi, M.; Mousavi, M.
Using artificial neural network(ANN) for seasonal rainfall forecasting based on tele-connection patterns

XY0121; EGU2008-A-06736; CL2-1TU5P-0121
Losada, T.; Rodriguez-Fonseca, B.; Garcia-Serrano, J.; Mechoso, C.R.; Mohino, E.
West African rainfall response to SST anomalies in the equatorial Atlantic

XY0122; EGU2008-A-06675; CL2-1TU5P-0122
Orsolini, Y.; Kvamstø, N.; Sorteberg, A.
Impact of snow cover on inter-annual variability of the NH winter circulation in an ensemble GCM simulation forced by satellite observations

XY0123; EGU2008-A-07463; CL2-1TU5P-0123
Olaka, L.; Trauth, M.; Roessner, S; Zehe, E
Climate variability over the Central Kenyan Rift: Data quality assessment and use.

XY0124; EGU2008-A-10480; CL2-1TU5P-0124
Fernandez, J.; Primo, C.; **Cofino, A. S.**; Gutierrez, J. M.; Rodriguez, M. A
MVL representation of ensembles as a tool for a dynamics-based model comparison

XY0125; EGU2008-A-07650; CL2-1TU5P-0125
Pavan, V.; Marchesi, S.; Alberghi, S.; Cacciamani, C.
Operational multi-model seasonal predictions for Italy

XY0126; EGU2008-A-00236; CL2-1TU5P-0126
Nogaj, M.; Dubus, L.
Evaluation of downscaled seasonal hindcasts of temperature over France

XY0127; EGU2008-A-06609; CL2-1TU5P-0127
Heuer, K.-O.; Paeth, H.
Seasonal forecast of the West African summer monsoon using a dynamical-statistical approach

XY0128; EGU2008-A-07159; CL2-1TU5P-0128
Diez, E.; Franco, F.; Orfila, B.
Dynamical and Statistical Downscaling over Spain to Seasonal Forecasts.

XY0129; EGU2008-A-03358; CL2-1TU5P-0129
Renggli, D.; Leckebusch, G.C.; Ulbrich, U.
Intraseasonal evolution of the number of wind storm events in the multi-model DEMETER data base

XY0130; EGU2008-A-03527; CL2-1TU5P-0130
Weigel, A. P.; **Liniger, M. A.**; Appenzeller, C.
Weather and seasonal ensemble forecasts: Are multi-models better than recalibrated single models?

XY0131; EGU2008-A-11626; CL2-1TU5P-0131
Doblas-Reyes, F.J.; Weisheimer, A.; Palmer, T.N.
Error, accuracy and reliability in seasonal-to-interannual forecasts

XY0132; EGU2008-A-08226; CL2-1TU5P-0132
Khan, V.; Kryjov, V.; Tischenko, V.; Vilfand, R.
Multimodel approach to forecast basic meteorological parameters

XY0133; EGU2008-A-06825; CL2-1TU5P-0133
Kucharski, F.; C20C IMR Intercomparison
The CLIVAR C20C Project: Skill of simulating Indian monsoon rainfall on interannual to decadal timescale.

CL4 Consequences of Geo-engineering and Mitigation as strategies for responding to anthropogenic greenhouse gas emissions

Convener: Tilmes, S.
Co-Convener(s): Rasch, P., Keith, D.
Lecture Room D
Chairperson: TILMES, S.

10:30–11:00; EGU2008-A-11399; CL4-1TU2O-001
Caldeira, K.
Geoengineering Earth's Energy Budget: An Overview (solicited)

11:00–11:15; EGU2008-A-10542; CL4-1TU2O-002
Nakicenovic, N.
Mitigation costs and benefits from a global perspective (solicited)

11:15–11:30; EGU2008-A-06887; CL4-1TU2O-003
Salter, S H
Sea-going hardware for Latham's albedo control. (solicited)

11:30–11:45; EGU2008-A-05580; CL4-1TU2O-004
Mills, M.J.; Toon, O.B.; Garcia, R.R.
Microphysical studies of climate mitigation via increased OCS emission (solicited)

11:45–12:00; EGU2008-A-12210; CL4-1TU2O-005
Wingenter, O.W.; Moore, J.; Elliot, S.M.; Blake, D.R.
Reversing sea level rise by enhancing the natural sulfur cycle

12:00 END OF SESSION

CL4 Consequences of Geo-engineering and Mitigation as strategies for responding to anthropogenic greenhouse gas emissions – Posters

Convener: Tilmes, S.
Co-Convener(s): Rasch, P., Keith, D.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: KEITH, D.

XY0134; EGU2008-A-09934; CL4-1TU5P-0134
Vaughan, N. E.; Lenton, T. M.
Geoengineering: a critical review

XY0135; EGU2008-A-10931; CL4-1TU5P-0135
Duren, R.
Global Change Mitigation & Geoengineering Design: a Systems Framework

XY0136; EGU2008-A-04113; CL4-1TU5P-0136
Lunt, D.J.; Ridgwell, A.; Valdes, P.J.; Seale, A.
The climate of a "Sunshade Geoengineered World"

XY0137; EGU2008-A-05552; CL4-1TU5P-0137
Rasch, P.; Chen, C.; **Latham, J**
Global Temperature Stabilisation by Seeding Maritime Clouds: Scientific Considerations (solicited)

XY0138; EGU2008-A-02208; CL4-1TU5P-0138
Quaas, J.; Feichter, J.
Climate change mitigation by seeding marine boundary-layer clouds?

XY0139; EGU2008-A-12211; CL4-1TU5P-0139
Rasch, P.J.; **Chen, C.**; Lathan, J.
The impact of cloud seeding of marine stratocumulus on the ocean

XY0140; EGU2008-A-11400; CL4-1TU5P-0140
Keith, D.W.
Photophoretic levitation of nano-engineered scatterers

XY0141; EGU2008-A-10885; CL4-1TU5P-0141
Duke, J.
A proposal to force vertical mixing of the Pacific Equatorial Undercurrent to create a system of equatorially trapped coupled convection that counteracts global warming

XY0142; EGU2008-A-06799; CL4-1TU5P-0142
Timmreck, C.; Hagemann, S.; Esch, M.; Graf, H.-F.; Jungclaus, J.; Landerer, F.; Schmidt, H.; Thomas, M.
Impact of stratospheric sulphur injections on the hydrological cycle:

XY0143; EGU2008-A-08120; CL4-1TU5P-0143
Allen, M. R.; **Stier, P.**; Frame, D. J.
Impact of geo-engineering on the global hydrological cycle

XY0144; EGU2008-A-08298; CL4-1TU5P-0144
Matthews, H. D.; Caldeira, K.
Transient climate-carbon simulations of planetary geoengineering

XY0145; EGU2008-A-10021; CL4-1TU5P-0145
Tilmes, S.; Garcia, R.; Kinnison, D.; Gettelman, A.; Rasch, P.; Mueller, R.; Salawitch, R.
Impact of geo-engineered aerosols on stratospheric composition and dynamics

XY0146; EGU2008-A-10823; CL4-1TU5P-0146
Kenzelmann, P.; Peter, T.; Fueglistaler, S.; Weisenstein, D.; Luo, B.P.; Schraner, M.; Rozanov, E.
Geoengineering side effects: Heating the tropical tropopause by sedimenting sulfur aerosol.

CL9 Integration of ice core, marine and terrestrial records from the last deglaciation

Convener: Hoek, W.
Co-Convener(s): Rasmussen, S., Knudsen, K.
Lecture Room 13
Chairperson: N.N.

8:30–8:45; EGU2008-A-05760; CL9-1TU1O-001
Rasmussen, S.O.; Andersen, K.K.; Bigler, M.; Dahl-Jensen, D.; Johnsen, S.J.; Seierstad, I.K.; Steffensen, J.P.; Svensson, A.; Vinther, B.
Added value to the Greenland ice core records: Status of the GICC05 time scale effort

8:45–9:00; EGU2008-A-07231; CL9-1TU1O-002
Kerschner, H.; Ivy-Ochs, S.; Kubik, P.W.; Schluechter, Ch.
Glacier reaction to large-scale climatic change during Termination 1 in the European Alps - age and climatic significance

9:00–9:15; EGU2008-A-09734; CL9-1TU1O-003
Blockley, S.P.E.; Lane, C.S.; Lotter, A.; Lowe, J.J.; Pollard, A.M.; Pynne-O'Donnell, S.D.F.
The potential for synchronising North Atlantic records using the Vedde Ash as a marker event.

9:15–9:30; EGU2008-A-10905; CL9-1TU1O-004
Deschamps, P.; Durand, N.; Bard, E.; Hamelin, B.; Camoin, G.; Thomas, A.L.; Henderson, G.; Yokoyama, Y.
Deglacial Melt Water Pulse 1A revisited from the new IODP Tahiti record

9:30–9:45; EGU2008-A-06982; CL9-1TU1O-005
Lourantou, A.; Lavric, J. V.; Köhler, P.; Barnola, J.-M.; Michel, E.; Paillard, D.; Raynaud, D.; Chappellaz, J.
A detailed atmospheric carbon isotopic constraint on the causes of the deglacial CO₂ increase

9:45–10:00; EGU2008-A-06727; CL9-1TU1O-006
Walden, J.; Peters, C.; Austin, WEN; Millar, IL; Wadsworth, E.
Modelling changes in ice-rafted debris sources through Heinrich Event 2 and Heinrich Event 1 on the NW European continental slope using environmental magnetic, radiogenic isotope and X-ray diffraction analysis of marine sediments.

10:00 END OF SESSION

CL9 Integration of ice core, marine and terrestrial records from the last deglaciation – Posters

Convener: Hoek, W.
Co-Convener(s): Rasmussen, S., Knudsen, K.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0147; EGU2008-A-11032; CL9-1TU5P-0147
Hoek, WZ
Integration of ice core, marine and terrestrial records

XY0148; EGU2008-A-09905; CL9-1TU5P-0148
Fletcher, W.J.; Naughton, F.; Sanchez Goñi, M.F.; Cortijo, E.; Peyron, O.; Turon, J.-L.
Direct correlation of marine and terrestrial responses to rapid climate variability during the last deglaciation in the Atlantic and Mediterranean sectors of the Iberian Peninsula

XY0149; EGU2008-A-08601; CL9-1TU5P-0149
Kotthoff, U.; Müller, U.C.; Pross, J.; Schmiedl, G.; van de Schootbrugge, B.
Vegetation and climate dynamics in the borderlands of the Aegean Sea during the last deglaciation deduced from marine and terrestrial pollen records

XY0150; EGU2008-A-06250; CL9-1TU5P-0150
Kwiecien, O.; Arz, H. W.; Lamy, F.; Plessen, B.; Bahr, A.; Haug, G. H.
The last deglaciation as recorded in the western Black Sea: a multi-proxy approach

XY0151; EGU2008-A-12160; CL9-1TU5P-0151
Pyne-O'Donnell, S.D.F.; Blockley, S.P.E.; Palmer, A.; MacLeod, A.; Lowe, J.J.; Rose, J.; Walker, M.J.C.; Merrit, J.
Chronology and correlation of Last Termination events using tephra isochrons

XY0152; EGU2008-A-12156; CL9-1TU5P-0152
Eiríksson, J.; Knudsen, K.L.; Heinemeier, J.; Larsen, G.; Símonarson, L.
Lateglacial and Holocene palaeoceanographic events in the Iceland Sea: Tephrochronology and AMS ¹⁴C dating resolving temporal changes in marine reservoir ages in the northern North Atlantic

XY0153; EGU2008-A-05911; CL9-1TU5P-0153
Clark, J.; McCabe, A.M.; Clark, P.U.; Bowen, D.Q.
The last deglaciation of the Irish Ice Sheet

XY0154; EGU2008-A-07414; CL9-1TU5P-0154
Knudsen, K.L.; Ghysels, L.P.; Eiríksson, J.; Jansen, E.
Lateglacial and early Holocene oceanography off North Iceland: foraminifera and stable isotopes

XY0156; EGU2008-A-12157; CL9-1TU5P-0156
Palmer, A.; MacLeod, A.; Lowe, J.; Rose, J.
Climate forcing of glaciolacustrine sedimentation in Scotland during GS-1

XY0157; EGU2008-A-01973; CL9-1TU5P-0157
Rother, H.; Fink, D.; Shulmeister, J.; Evans, M.; Mifsud, C.
¹⁰Be / ²⁶Al exposure age chronologies from mid-latitude Southern Hemisphere glacial sequences in the Southern Alps, New Zealand

XY0158; EGU2008-A-00640; CL9-1TU5P-0158
Escobar, J.; Hodell, D.; Brenner, M.; Curtis, J.; Gilli, A.; Anselmetti, F.; Ariztegui, D.; Grzesik, D.; Mueller, A.
Paleoclimate of lowland Central America during the last deglaciation

CL12 Mediterranean climate variability and change

Convener: Lionello, P.
Co-Convener(s): Tsimplis, M., Goodess, C.
Lecture Room 26
Chairperson: LIONELLO, P.

8:30–8:45; EGU2008-A-02032; CL12-1TU1O-001
Giorgi, F.; Coppola, E.
The European Climate-change Oscillation (ECO) (solicited)

8:45–9:00; EGU2008-A-00575; CL12-1TU10-002
Kallel, N.; Essallemi, L.; Melki, T.; Sicre, M.A.; Hayes, A.; Duplessy, J.C.; Labeyrie, L.; Kucera, M.; Fontugne, M.; Jorissen, F

Mediterranean Sea freshwater budget evolution through glacial and interglacial times

9:00–9:15; EGU2008-A-11159; CL12-1TU10-003
Xoplaki, E.; Luterbacher, J.; Küttel, M.; Della-Marta, P. M.; González-Rouco, J.; Zorita, E.; Paeth, H.; Jacobeit, J.; Garcia-Herrera, R.; Allan, R.

Winter Mediterranean temperature and precipitation back to 1750; the large-scale sea level pressure influence

9:15–9:30; EGU2008-A-02587; CL12-1TU10-004
Nissen, K. M.; Ulbrich, U.; Leckebusch, G. C.; Pinto, J. Categories of Mediterranean cyclones in the ERA40 dataset - characteristics, trends and links to large-scale patterns.

9:30–9:45; EGU2008-A-01913; CL12-1TU10-005
Zampieri, M.; Lionello, P.
A statistical model for potential natural vegetation, application to Mediterranean climate

9:45–10:00; EGU2008-A-03435; CL12-1TU10-006
Hertig, E.; Jacobeit, J.
Lagged correlations of sea surface temperature regimes and Mediterranean climate variables

10:00 COFFEE BREAK

Chairperson: GOODESS, C.

10:30–10:45; EGU2008-A-12254; CL12-1TU20-001
Navarra, A.
The CIRCE project (solicited)

10:45–11:00; EGU2008-A-02023; CL12-1TU20-002
Raible, C. C.; Saaroni, H.; Ziv, B.; Wild, M.
Winter synoptic-scale variability over Mediterranean basin under future climate utilizing ECHAM5

11:00–11:15; EGU2008-A-02260; CL12-1TU20-003
Pinto, J.G.; Ulbrich, S.; Rudari, R.; Parodi, A.; Boni, G.; Ulbrich, U.
Extreme precipitation events over the Western Mediterranean: statistical characteristics and links to ex-hurricane activity over the North Atlantic

11:15–11:30; EGU2008-A-03819; CL12-1TU20-004
Lucas, M. A.; **Somot, S.**
Spatial Distribution of the 21st century Climate Change signal in the Mediterranean

11:30–11:45; EGU2008-A-06586; CL12-1TU20-005
Li, L.
Sensitivity of a regional Mediterranean climate model to the lateral and lower boundary conditions

11:45–12:00; EGU2008-A-00116; CL12-1TU20-006
Marcos, M.; Tsimplis, M.N.
Future projections in the Mediterranean Sea under global warming scenarios

12:00 END OF SESSION

CL12 Mediterranean climate variability and change – Posters

Convener: Lionello, P.
Co-Convener(s): Tsimplis, M., Goodess, C.
Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 17:30–19:00

Poster Area Halls X/Y
Chairperson: TSIMPLIS, M.N.

XY0159; EGU2008-A-11242; CL12-1TU5P-0159
OrtizBeviá, M.J.; Pérez González, I.; Álvarez García, F. J.; RuizdeElvira, A.
Air-sea feedbacks in the Western Mediterranean

XY0160; EGU2008-A-00668; CL12-1TU5P-0160
Acquaotta, F.; Alessio, S.; Fratianni, S.
interaction between the indices of large-scale circulation patterns and termo-pluviometric series in Piedmont and the climate variability

XY0161; EGU2008-A-02159; CL12-1TU5P-0161
Serra, C.; Martínez, M.D.; Lana, X.; Burgueño, A.
Spatial and statistical features of extreme residuals of daily maximum and minimum temperatures in Catalonia (NE Spain), years 1950-2004

XY0162; EGU2008-A-02439; CL12-1TU5P-0162
Rodrigo, F.S.
Changes in the probability of extreme daily temperatures observed from 1951 to 2002 in Spain

XY0163; EGU2008-A-02492; CL12-1TU5P-0163
de Luis, M.; González-Hidalgo, J.C.; Longares, L.A.; Stepanek, P.
Seasonal rainfall trends in Mediterranean Iberian Peninsula during 1951-2000 period

XY0164; EGU2008-A-02505; CL12-1TU5P-0164
Gallego, D.; Jimenez, J.M.; Ribera, P.; Cifuentes, V.
Computing moisture sources in small river basins by Lagrangian methods: the example of the Guadalquivir River (Southern Spain)

XY0165; EGU2008-A-02571; CL12-1TU5P-0165
Ramos, M.C.; Martínez-Casasnovas, J.A.
Changes of temperature and precipitation in the Mediterranean Alt Penedès and Priorat vineyard regions (NE Spain)

XY0166; EGU2008-A-02937; CL12-1TU5P-0166
Coccimiglio, P.; **Baldi, M.**; Crisci, A.
Assessment of climate variability in a Mediterranean coastal region from reconstructed climatic time series

XY0167; EGU2008-A-03464; CL12-1TU5P-0167
Ionita, M.; Rimbu, N.
Multidecadal variability of summer temperature over Romania and its relation with Atlantic Multidecadal Oscillation

XY0168; EGU2008-A-05558; CL12-1TU5P-0168
Nastos, P.T.; Founda, D.
Variability of warm and cold spells in Athens, Greece, during the last 110 years

XY0169; EGU2008-A-06695; CL12-1TU5P-0169
Sanchez-Lorenzo, A.; Calbó, J.; Brunetti, M.; Martin-Vide, J.
Cloudiness trends over the Iberian Peninsula from the second half of the 20th century

XY0170; EGU2008-A-07049; CL12-1TU5P-0170
Founda, D.; Giannakopoulos, C.
The exceptional warm summer of 2007 in Athens. A 'normal' summer in the future Mediterranean climate?

XY0171; EGU2008-A-06980; CL12-1TU5P-0171
Kostopoulou, E; Tolika, K; Tegoulas, I; Anagnostopoulou, C; Maheras, P; Giannakopoulos, C
Regional climate model temperature simulations compared with observed station data over the Balkan Peninsula

XY0172; EGU2008-A-09926; CL12-1TU5P-0172
Bartolini, E.; D'Odorico, P.; Claps, P.
Interannual variability of winter precipitation in the European Alps: relations with the North Atlantic Oscillation

XY0173; EGU2008-A-06536; CL12-1TU5P-0173
Brunet, M.; **Kuglitsch, F.G. ;** Baddour, O.; The MEDARE Community
The WMO/MEDARE An Initiative for the development of a high quality climate instrumental dataset for the Greater Mediterranean Region

XY0174; EGU2008-A-05039; CL12-1TU5P-0174
Herrmann, M.J.; **Somot, S.**
Relevance of ERA40 dynamical downscaling for modelling deep convection in the Mediterranean sea

XY0175; EGU2008-A-07903; CL12-1TU5P-0175
Herrmann, M; Bouffard, J; Marcos, M; Tsimplis, M; Ullmann, A
Monitoring deep convection in the Mediterranean Sea: a multi-sensor approach

XY0176; EGU2008-A-00117; CL12-1TU5P-0176
Marcos, M.; Tsimplis, M.N.
Coastal sea level trends in Southern Europe

XY0177; EGU2008-A-03457; CL12-1TU5P-0177
Müller, M.; Leckebusch, G.C.; Ulbrich, U.; Nissen, K.M.
Red Sea Trough occurrence and related extreme events under future climate conditions

XY0178; EGU2008-A-02875; CL12-1TU5P-0178
Lionello, P.; Galati, M.B.
Links between the north hemisphere teleconnection patterns and the significant wave height in the Mediterranean Sea

XY0179; EGU2008-A-02876; CL12-1TU5P-0179
Lionello, P.; Ferrara, E.
Comparing the cyclones in the Mediterranean and in the North Atlantic

XY0180; EGU2008-A-03799; CL12-1TU5P-0180
Salameh, T.; Drobinski, P.; Dubos, T.
On nudging time optimization in regional climate modelling: application to the Mediterranean basin

XY0181; EGU2008-A-08266; CL12-1TU5P-0181
Salameh, T.; Drobinski, P.
Extreme climatic events and North Atlantic weather regimes: uncertainty assessment using ERA-40 and NCEP re-analyses

XY0182; EGU2008-A-02572; CL12-1TU5P-0182
Palatella, L.; Paradisi, P.; Miglietta, M.; Lionello, P.
Statistical downscaling of seasonal precipitation on different mediterranean regions

XY0183; EGU2008-A-07686; CL12-1TU5P-0183
Tomozeiu, R.; Pavan, V.; Cacciamani, C.
Climate change scenarios for surface temperature and precipitation in Northern Italy obtained using statistical downscaling models

XY0184; EGU2008-A-03238; CL12-1TU5P-0184
Krichak, S.O.; Alpert, P.; Kunin, P.
Downscaling results of SRES experiment with the ECHAM5/MPI-OM1 GCM over the eastern Mediterranean region

XY0185; EGU2008-A-03556; CL12-1TU5P-0185
Elizalde, A; Göttel, H; Jacob, D
Influence of Boundaries on Regional Climate Precipitation Modelling

XY0186; EGU2008-A-00159; CL12-1TU5P-0186
Rogerson, M.; Cacho, I.; Jimenez-Espejo, F.; Reguera, M.; Sierro, F.; Martinez-Ruiz, F.; Frigola, J.; Canals, M.
A dynamic explanation for the origin of the western Mediterranean organic rich layers

XY0187; EGU2008-A-04026; CL12-1TU5P-0187
Khelifi, N.; Sarnthein, M.; Frank, M.; Weinelt, M.; Andersen, N.; Garbe-Schönberg, D.
Pliocene changes in the Mediterranean Outflow (3.6 – 2.5 Ma)

CL13 Large-scale climate modes in the Northern Hemisphere

Convener: Christiansen, B.
Co-Convener(s): Ulbrich, U., Rambu, N., Kwasniok, F.
Lecture Room 14
Chairperson: CHRISTIANSEN B.

13:30–13:45; EGU2008-A-11630; CL13-1TU3O-001
Doblas-Reyes, F.J.
Seasonal-to-interannual dynamical prediction of large-scale climate modes

13:45–14:00; EGU2008-A-07076; CL13-1TU3O-002
Rodriguez-Puebla, C.; Nieto, S.
Trend of the North Atlantic Oscillation (NAO) under climate change

14:00–14:15; EGU2008-A-02024; CL13-1TU3O-003
Iglesias, I.; Lorenzo, M.N.; Taboada, J.J.; Gomez-Gesteira, M.
Influence of the North Atlantic sea surface temperature on the teleconnection patterns

14:15–14:30; EGU2008-A-08238; CL13-1TU3O-004
Caballero, R; **Hanley, J**
Intense midlatitude storms and their relationship to teleconnection patterns in the Northern Hemisphere

14:30–14:45; EGU2008-A-02471; CL13-1TU3O-005
Raible, C .C.; Hofer, D.; Kleppek, S.; Kuettel, M.; Riedwyl, N.; Stocker, T. F.
Are Northern Hemisphere teleconnection patterns stable over the last 500 yr?

14:45–15:00; EGU2008-A-03220; CL13-1TU3O-006
Ambaum, M.
Unimodality of Wave Amplitude in the Northern Hemisphere

15:00 END OF SESSION

CL13 Large-scale climate modes in the Northern Hemisphere – Posters

Convener: Christiansen, B.
Co-Convener(s): Ulbrich, U., Rambu, N., Kwasniok, F.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: RIMBU N.

XY0188; EGU2008-A-11503; CL13-1TU5P-0188
Osprey, S; Gray, L
On the significance of persistence timescales in geophysical timeseries

XY0189; EGU2008-A-03583; CL13-1TU5P-0189

Pisoft, P

Spatial distribution and temporal evolution of distinct periodicities detected in NAO index

XY0190; EGU2008-A-06369; CL13-1TU5P-0190

Christiansen, B.

Is the atmosphere interesting? A projection pursuit study

XY0191; EGU2008-A-06746; CL13-1TU5P-0191

Demuzere, M.; Van Lipzig, N.P.M

The link between weather type classifications and large scale climate modes in the NH: An Application and its Opportunities.

XY0192; EGU2008-A-12028; CL13-1TU5P-0192

Piecha, K; Krüger, A; **Ulbrich, U**

An objective classification scheme for Central Europe and its Application on AOGCMs

XY0193; EGU2008-A-11996; CL13-1TU5P-0193

Dima, M.; Lohmann, G.

A deterministic mechanism for the Atlantic multidecadal variability

XY0194; EGU2008-A-03343; CL13-1TU5P-0194

Andrade, C.; Santos, J.; Corte-Real, J.

Climate-mean winter and summer patterns associated with enthalpy, latent heat and linear momentum mean convergence fields due to large-scale transient eddies

XY0195; EGU2008-A-01762; CL13-1TU5P-0195

Fagerli, S. A.; Kvamstø, N. G.; Bader, J.

Atmospheric response to a zonally averaged SST distribution in the North Atlantic

XY0196; EGU2008-A-08379; CL13-1TU5P-0196

Khon, V.Ch.; Latif, M.; Mokhov, I.I.; Roeckner, E.; Semenov, V.A.

Modelling of climate changes for Eurasian regions and their relationship to the circulation processes in the North Atlantic

XY0197; EGU2008-A-04857; CL13-1TU5P-0197

Reichler, T.; Chen, G.; Lu, J.

Decadal Trends in the Width of the Tropical Belt

XY0198; EGU2008-A-12159; CL13-1TU5P-0198

Körper, J; Spanghel, T; Huebener, H; Cubasch, U; **Ulbrich, U**

Changes of the NAO in projections of future climate under increasing GHG-concentrations and stabilization thereafter

XY0199; EGU2008-A-11977; CL13-1TU5P-0199

Ionita, M.; Rimbu, N.

Dominant mode of Northern Hemisphere blocking variability during winter and its relation with temperature and sea surface temperature anomalies

XY0200; EGU2008-A-12088; CL13-1TU5P-0200

Boroneant, C.; Dima, M.; Stanciu, A.

Large scale potential sources of predictability for the Danube river seasonal discharges

XY0201; EGU2008-A-05207; CL13-1TU5P-0201

Rimbu, N.; Lohmann, G.; Dima, M.

Interannual to decadal variability in a central Greenland deuterium high-resolution record and its relation with atmospheric teleconnection and daily circulation patterns

CL14 Understanding the dynamics of the coupled climate system with focus on the North Atlantic Oscillation (NAO) and El Nino - Southern Oscillation (ENSO)

Convener: Drange, H.

Co-Convener(s): Sutton, R.

Lecture Room 14

Chairperson: N.N.

15:30–15:45; EGU2008-A-07545; CL14-1TU4O-001

Latif, M.; Keenlyside, N.; Park, W.; Semenov, V.; Müller, W. Understanding Common Aspects and Interactions between ENSO and the NAO (solicited)

15:45–16:00; EGU2008-A-03859; CL14-1TU4O-002

Collins, M

The response of El Nino to global warming in climate model simulations

16:00–16:15; EGU2008-A-02181; CL14-1TU4O-003

Hodson, D; Sutton, R; Cassou, C; Keenlyside, N; Zhou, T; Okumura, Y

A multi-model comparison of the climate impacts of a multidecadal change in Atlantic sea surface temperatures.

16:15–16:30; EGU2008-A-11066; CL14-1TU4O-004

Cassou, C.; SanchezGomez, E.; Hodson, D.; Keenlyside, N.; Okumura, Y.; Zhou, T.

Respective forcing role of the Indian Ocean and Western Pacific warming on the Northern Atlantic atmospheric circulation

16:30–16:45; EGU2008-A-01376; CL14-1TU4O-005

Lohmann, K.; Drange, H.; Bentsen, M.

Response of the North Atlantic subpolar gyre to persistent North Atlantic Oscillation like forcing

16:45–17:00; EGU2008-A-10236; CL14-1TU4O-006

Scaife, A.A.; **Fereday, D.**

Variability and change in the NAO: the role of the stratosphere

17:00–17:15; EGU2008-A-07983; CL14-1TU4O-007

Dong, B.; Sutton, R. T.

Changes of Interannual NAO Variability in Response to Greenhouse Gases Forcing

17:15 END OF SESSION

CL14 Understanding the dynamics of the coupled climate system with focus on the North Atlantic Oscillation (NAO) and El Nino - Southern Oscillation (ENSO) – Posters

Convener: Drange, H.

Co-Convener(s): Sutton, R.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0202; EGU2008-A-00733; CL14-1TU5P-0202

Patara, L.; Vichi, M.; Masina, S.; Fogli, P. G.; Manzini, E. Bio-optical feedbacks in the coupled climate system of the tropical Pacific

XY0203; EGU2008-A-01358; CL14-1TU5P-0203

Dommenget, D; Latif, M

Generation of Global Hyper Climate Modes

XY0204; EGU2008-A-01519; CL14-1TU5P-0204
Zhang, Q; Liu, Z; Wu, L
Remote impact on Tropical Atlantic climate variability

XY0205; EGU2008-A-02932; CL14-1TU5P-0205
Guilyardi, E.; **Collins, M.**; Wittenberg, A.; Fedorov, A.; Wang, C.; Capotondi, A.; van Oldenborgh, G. J.
Understanding El Niño in Ocean-Atmosphere General Circulation Models: progress and challenges

XY0206; EGU2008-A-03787; CL14-1TU5P-0206
Msadek, R.; Frankignoul, C.
Multidecadal variability of the MOC and its influence on the atmosphere in the IPSL model

XY0207; EGU2008-A-06158; CL14-1TU5P-0207
Szwed, M.
The influence of the North Atlantic Oscillation on temperature and precipitation across Poland.

XY0208; EGU2008-A-06315; CL14-1TU5P-0208
Liberato, M.L.R.; Castanheira, J.M.; de la Torre, L.; Graf, H.-F.; Rocha, A.
Teleconnectivity in the Northern Hemisphere wintertime circulation variability patterns

XY0209; EGU2008-A-06329; CL14-1TU5P-0209
Cherchi, A.; Masina, S.; Navarra, A.
Understanding the influence of ENSO on the North Pacific variability

XY0210; EGU2008-A-06430; CL14-1TU5P-0210
SanchezGomez, E.; **Cassou, C.**; Deser, C.; Hodson, D.L.R.; Keenlyside, N.; Latif, M.; Okumura, Y.; Sutton, R.; Xin, X.; Zhou, T.
Influence of the Indian and Western Pacific oceans warming on the North Atlantic weather regimes estimated from a multi-model ensemble

XY0211; EGU2008-A-06764; CL14-1TU5P-0211
Semenov, V.A.; Latif, M.; Jungclaus, J. H.; Park, W.
Is the observed NAO variability during the instrumental record unusual?

XY0212; EGU2008-A-06929; CL14-1TU5P-0212
Mignot, J.
Local and remote impacts of anomalous tropical Atlantic freshwater input

XY0213; EGU2008-A-08881; CL14-1TU5P-0213
Löptien, U.; Eden, C.; Timmermann, A.
Biologically induced circulation changes in the tropical Pacific as simulated with eddy-resolving coupled ocean-ecosystem model

XY0214; EGU2008-A-09655; CL14-1TU5P-0214
Fereday, D.; Scaife, A.; Knight, J.
The response of the winter NAO to CO₂, SST and sea ice changes

XY0215; EGU2008-A-10047; CL14-1TU5P-0215
Bojariu, R.; Garcia - Herrera, R.; Zhang, T.; Frauenfeld, O. W.
The role of land - atmosphere interaction in North Atlantic Oscillation variability

XY0216; EGU2008-A-10183; CL14-1TU5P-0216
Matei, D.; Keenlyside, N.; Latif, M.; Jungclaus, J.
Localized subtropical forcing of tropical Pacific climate and decadal ENSO modulation

XY0217; EGU2008-A-10240; CL14-1TU5P-0217
Matei, D.; Müller, W.A.; Jungclaus, J.H.; Latif, M.; Keenlyside, N.
Projected changes in tropical climate by ECHAM5/MPI-OM

XY0218; EGU2008-A-10659; CL14-1TU5P-0218
Dottori, M.; Frankignoul, C.
Anomalous Wind-Stress and Heat Surface Fluxes and their relationship with the intergyre-gyre in the North-Atlantic

XY0219; EGU2008-A-11354; CL14-1TU5P-0219
Garcia-Serrano, J.; Rodriguez-Fonseca, B.; Blade, I.
ENSO influence on the rotational atmospheric circulation during North Atlantic wintertime

CL20 Probabilistic Forecasts of Climate and the Potential Impacts of Climate Change

Convener: Stainforth, D.
Co-Convener(s): Forest, C.
Lecture Room 26
Chairperson: N.N.

15:30–15:45; EGU2008-A-02716; CL20-1TU4O-001
Tanaka, K.; Raddatz, T.; O'Neill, B.; Reick, C.
Is the Climate Sensitivity Even More Uncertain?

15:45–16:00; EGU2008-A-02973; CL20-1TU4O-002
Watterson, I.; Whetton, P
Uncertainty of decadal means of temperature and precipitation change under global warming based on CMIP3 models

16:00–16:15; EGU2008-A-10637; CL20-1TU4O-003
Webster, MD.; Forest, CE; Sokolov, A; Stone, P; Schlosser, A; Paltsev, S; Reilly, J; Prinn, R; Sarofim, M; Wang, C
Uncertainty in Climate Impacts under Stabilization Scenarios (solicited)

16:15–16:30; EGU2008-A-03884; CL20-1TU4O-004
Collins, M.; Bhaskaran, B; Booth, B; Boorman, P; Brown, K; Harris, G; Lambert, H; Murphy, J; Sexton, D; Webb, M
Probabilistic climate predictions for the United Kingdom and the World

16:30–16:45; EGU2008-A-11764; CL20-1TU4O-005
Bakker, A
Transformation of observed time series for climate change impact assessment

16:45–17:00; EGU2008-A-12018; CL20-1TU4O-006
Nychka, D.; Kaufman, C; Sain, S; Mearns, L
Challenges of regional climate modeling and validation (solicited)

17:00 END OF SESSION

CL20 Probabilistic Forecasts of Climate and the Potential Impacts of Climate Change – Posters

Convener: Stainforth, D.
Co-Convener(s): Forest, C.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0220; EGU2008-A-04362; CL20-1TU5P-0220
Raddatz, T.; Tanaka, K.
On the Risk of abrupt Warming after a Shutdown of all Emissions

XY0221; EGU2008-A-03310; CL20-1TU5P-0221
Haerter, J.; Hagemann, S; Berg, P; Piani, C
What defines climate model performance and skill?

XY0222; EGU2008-A-12027; CL20-1TU5P-0222
Zermoglio, M; Stainforth, D; Downing, T
The Climate Change Explorer - Facilitating understanding of long-term climate forecasts for screening adaptation strategies and actions

XY0223; EGU2008-A-08673; CL20-1TU5P-0223
Mahlstein, I; Knutti, R
Weighting climate models for regional projections

XY0224; EGU2008-A-09332; CL20-1TU5P-0224
Forest, C.E.; Sansaloni, B.
On estimating probability distributions for climate system properties: exploring sensitivity to unforced climate variability from AOGCM control simulations

XY0225; EGU2008-A-11714; CL20-1TU5P-0225
Tebaldi, C; Lobell, D.B.
Short-term projections of changes in crop yields at the global scale related to climate change (cancelled)

XY0226; EGU2008-A-11736; CL20-1TU5P-0226
Daron, J; Stainforth, D
Shadowing Techniques for the Evaluation and Interpretation of Climate Models

XY0227; EGU2008-A-11375; CL20-1TU5P-0227
Dubrovsky, M.
Climate change scenarios in terms of the weather generator parameters

XY0228; EGU2008-A-07185; CL20-1TU5P-0228
Brugger, K.; Rubel, F.
Predicting the dynamics of infectious diseases according to climate change

XY0229; EGU2008-A-06262; CL20-1TU5P-0229
Trnka, M.; Dubrovský, M.; Hlavinka, P.; Semerádová, D.; Štěpánek, P.; Eitzinger, J.; Formayer, H.; Žalud, Z.
Projection of Uncertainties of the Climate Change Scenarios into the Estimates of Future Agrometeorological Conditions and Crop Yields

XY0230; EGU2008-A-01545; CL20-1TU5P-0230
Ayanlade, A; Ekanade, O; Orinmoogunje, O.O
Geospatial Analysis of Potential Climate Change Impacts on Coastal Urban Settlements of Nigeria for The 21st Century

XY0231; EGU2008-A-01336; CL20-1TU5P-0231
Mendes, D; Marengo, J
Improving downscaling: south america rainfall

CL25 EPICA and the climate of the last million years (including Hans Oeschger Medal Lecture) (co-listed in CR)

Convener: Fischer, H.
Co-Convener(s): Wolff, E., Raynaud, D.
Lecture Room 13
Chairperson: FISCHER, H.

10:30–11:15; EGU2008-A-12415; CL25-1TU2O-001
Raynaud, D.
The fascination of air bubbles in ice (Hans Oeschger Medal Lecture) (solicited)

11:15–11:30; EGU2008-A-05437; CL25-1TU2O-002
Markovic, S.B.; Hambach, U.; Machalet, B.; Jovanovic, M.; Zöller, L.; Frechen, M.; Lukic, T.; Basarin, B.
Comparison between eight glacial cycles recorded at Antarctic EPICA ice core and Serbian loess

11:30–11:45; EGU2008-A-05940; CL25-1TU2O-003
Drysdale, R.; Hellstrom, J.; Couchoud, I.; Zanchetta, G.; Woodhead, J.; Greig, A.; Fallick, A.; Isola, I.
Towards a new radiometrically dated North Atlantic palaeoclimate record covering the last million years: preliminary results from Corchia Cave speleothems, Italy

11:45–12:00; EGU2008-A-10040; CL25-1TU2O-004
Martinez-Garcia, A.; Rosell-Mele, A.; Geibert, W.; Masque, P.; Gersonde, R.
A marine perspective of EPICA ice records: links between atmospheric circulation, marine productivity, sea ice and CO₂ over the last 1.1 Myrs

12:00 LUNCH BREAK

Chairperson: WOLFF, E.

13:30–13:45; EGU2008-A-02971; CL25-1TU3O-001
Goto-Azuma, K.; Members of the Dome Fuji Ice Core Research Group, ICC
Millennial-scale climate variability during the past 720,000 years recorded in the Dome Fuji ice core

13:45–14:00; EGU2008-A-07575; CL25-1TU3O-002
Holden, P.; Edwards, N.; Wolff, E.
Transient simulations over the EPICA record using GENIE-1

14:00–14:15; EGU2008-A-12410; CL25-1TU3O-003
Vallelonga, P.; Marteel, A.; Gabrielli, P.; Rosman, K.J.R.; Barbante, C.; Hong, S.; Boutron, C.F.
Climate related variations in Pb and Ba concentrations and Pb isotopes over seven glacial cycles in the EPICA Dome C ice core

14:15–14:30; EGU2008-A-07440; CL25-1TU3O-004
Schilt, A.; Blunier, T.; Chappellaz, J.; Spahni, R.; Stocker, T. F.
Nitrous Oxide Records of the Last 800,000 Years

14:30–14:45; EGU2008-A-03322; CL25-1TU3O-005
Luethi, D.; Stocker, T. F.; Raynaud, D.; Barnola, J.-M.
Fast Antarctic temperature variations imprint in the CO₂ concentration? A high-resolution CO₂ record over the last glacial period

14:45–15:00; EGU2008-A-11382; CL25-1TU3O-006
Lohmann, G. ; Butzin, M.
CO₂ leads global temperature: Analysis of ice core and marine sediment data in combination with the modelling of marine reservoir ages for the last deglaciation

15:00 COFFEE BREAK

Chairperson: RAYNAUD, D.

15:30–15:45; EGU2008-A-01728; CL25-1TU4O-001
Wolff, E.W.
The proximal cause of glacial terminations

15:45–16:00; EGU2008-A-01225; CL25-1TU4O-002
Sime, L.; Tindall, J.; Wolff, E.; Connolley, W.; Valdes, P.
Isotopic signals of a warmer climate in Antarctica

16:00–16:15; EGU2008-A-03049; CL25-1TU4O-003
Capron, E.; Landais, A.; Masson-Delmotte, V.; Leuenberger, M.; Barnola, J.-M.; Oerter, H.
Isotopic composition of the air trapped in the EDML ice core (d15N, d18O_{atm}, d40Ar, dO₂/N₂) over the last 140 kyrs

16:15–16:30; EGU2008-A-10901; CL25-1TU4O-004

Bigler, M.; Röthlisberger, R.; Lambert, F.

Occurrence rate estimation of explosive volcanic events as recorded in the EPICA Dome C ice core over the last 170 ka based on high-resolution electrolytic conductivity measurements

16:30–16:45; EGU2008-A-03139; CL25-1TU4O-005

Röthlisberger, R.; Mudelsee, M.; Lambert, F.; Masson-Delmotte, V.; Fischer, H.; Wolff, E.W.; Bigler, M.; Udisti, R.; de Angelis, M.; Hansson, M.

Glacial terminations in the Southern hemisphere: A case study from the EPICA Dome C ice core

16:45–17:00; EGU2008-A-06964; CL25-1TU4O-006

Stenni, B.; The TALDICE Isotope Consortium Team

Stable isotope records from the new TALDICE ice core (East Antarctica)

17:00 END OF SESSION

CL25 EPICA and the climate of the last million years (including Hans Oeschger Medal Lecture) (co-listed in CR) – Posters

Convener: Fischer, H.

Co-Convener(s): Wolff, E., Raynaud, D.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: FISCHER, H., WOLFF, E., RAYNAUD, D.

XY0232; EGU2008-A-00039; CL25-1TU5P-0232

Ivashchenko, N.N.; Sonechkin, D.M.; Vakulenko, N.V.

Pleistocene/Pliocene climatic variations driven by the deep ocean and the Milankovitch orbital cycles

XY0233; EGU2008-A-00902; CL25-1TU5P-0233

Delmonte, B.; Andersson, P.S.; Hansson, M.; Schöberg, H.; Petit, J.R.; Basile-Doelsch, I.; Maggi, V.

South American provenance of glacial dust in East Antarctica since the Early Pleistocene

XY0234; EGU2008-A-01642; CL25-1TU5P-0234

Petit, J.R.; Lambert, F.; Delmonte, B.; Debret, M.; Lemieux-Doudon, B.; Parrenin, F.; Kaufmann, P.; Stocker, T.F.; Maggi, V.

Testing the observed dust-climate relationship over the past 800000 years from the EPICA Dome C ice core within the assumption of a semi empirical dust model: application for detecting outliers and for refining the ice core chronology

XY0235; EGU2008-A-02437; CL25-1TU5P-0235

Köhler, P.; Hönisch, B.; Bintanja, R.; Fischer, H.

The carbon cycle during the Mid Pleistocene Transition: The Southern Ocean Decoupling Hypothesis

XY0236; EGU2008-A-02634; CL25-1TU5P-0236

Euler, C.; Kleiven, H.F.; Marchitto, T.M.; Ninnemann, U.S. Southeast Pacific high resolution multi proxy study from ODP site 1233 during the Antarctic Isotope Maximum AIM 12

XY0237; EGU2008-A-02737; CL25-1TU5P-0237

Rackebbrandt, N.; Kuhnert, H.; Bickert, T.

An extraordinary biogenic deposition event – massive diatom deposition within the Pleistocene subtropical South Atlantic

XY0238; EGU2008-A-03116; CL25-1TU5P-0238

Röthlisberger, R.; EPICA Chemistry Consortium

Intercomparison of methods used for chemical analysis of the EPICA ice cores

XY0239; EGU2008-A-03251; CL25-1TU5P-0239

Moeller, L.; Behrens, M.; Richter, U.; Bock, M.; Schmitt, J.; Fischer, H.

The impact of abrupt climate variations on the carbon isotopic signature of methane

XY0240; EGU2008-A-03274; CL25-1TU5P-0240

Vautravers, M.J.; Hillenbrand, C-D

Deposition of planktonic foraminifera on the Pacific margin of the Antarctic Peninsula (ODP Site 1101) during the last 1 Myr

XY0241; EGU2008-A-04011; CL25-1TU5P-0241

Engrand, C.; Narcisi, B.; Petit, J.-R.; Dobrica, E.; Duprat, J. Two cosmic events in EPICA-Dome C deep ice core

XY0242; EGU2008-A-04057; CL25-1TU5P-0242

Schüpbach, S.; Federer, U.; Kaufmann, P.; Stocker, T. F.; Hutterli, M.

High Resolution CH₄-Measurements of Ice Cores using CFA

XY0243; EGU2008-A-04142; CL25-1TU5P-0243

Hutterli, M. A.; Freitag, J.; Kipfstuhl, S.; Schneebeli, M.; Röthlisberger, R.

Orbital tuning of ice core age scales: Improvements with a physically based model

XY0244; EGU2008-A-04599; CL25-1TU5P-0244

Heikkilä, U.; Beer, J.; Feichter, J.

Interpreting Be-10 records from ice cores: modelling of the atmospheric transport using the ECHAM5-HAM general circulation model

XY0245; EGU2008-A-04758; CL25-1TU5P-0245

Buiron, B.; Chappellaz, C.; Louergue, L.; Landais, L.; Narcisi, N.; Masson-Delmotte, M.; Frezzotti, F.; Parrenin, P. A first CH₄-based tentative time scale for the new Talos Dome ice core

XY0246; EGU2008-A-05248; CL25-1TU5P-0246

van der Wel, L.G.; Vinther, B.M.; Johnsen, S.J.; Meijer, H.A.J.

Greenland Holocene temperatures obtained by differential diffusion studies

XY0247; EGU2008-A-06048; CL25-1TU5P-0247

Federer, U.; Schüpbach, S.; Kaufmann, P.; Hutterli, M.

An improved Continuous Flow Analysis (CFA) system for Ice Core Analysis

XY0248; EGU2008-A-06114; CL25-1TU5P-0248

Schüpbach, S.; Federer, U.; Kaufmann, P.; Hutterli, M.; Stocker, T.

First results of CFA - Measurements on the Gas-Phase of the Talos Dome Ice Core

XY0249; EGU2008-A-06316; CL25-1TU5P-0249

Lefebvre, E.; Ritz, C.; Legrésy, B.; Possenti, P.

New temperature profile measurement in the EPICA Dome C borehole

XY0250; EGU2008-A-06802; CL25-1TU5P-0250

Sala, M.; Dapiaggi, M.; Delmonte, B.; Artioli, G.; Marino, F.; Maggi, V.; Petit, J. R.

First mineralogical and crystallographic results on dust from the EPICA - Dome C ice core

XY0251; EGU2008-A-06970; CL25-1TU5P-0251

Schaefer, H.; Laurantou, A.; Lavric, J.V.; Schmitt, J.; Elsig, J.; Barnola, J.-M.; Raynaud, D.; Chappellaz, J.; Leuenberger, M.; Fischer, H.

Assessment of Ice Core delta13CO₂ Measurements from three European Laboratories

XY0252; EGU2008-A-07327; CL25-1TU5P-0252

Jenk, T.M.; Blunier, T.; Dahl-Jensen, D.

Development of a setup for the analysis of $\delta^{94}\text{Sf}_{13}\text{C}$ in CO₂ at the Centre for Ice and Climate

XY0253; EGU2008-A-07581; CL25-1TU5P-0253
Curran, M.; Wong, G.; van Ommen, T.; Goodwin, I.; Vance, T.
Estimate of sea salt sources to Antarctica: An alternative interpretation of the EPICA sea salt record?

XY0254; EGU2008-A-07704; CL25-1TU5P-0254
Pol, K.; Masson-Delmotte, V.; Jouzel, J.; Li, L.; Kageyama, M.; Braconnot, P.; Gallée, H.
EPICA Dome C radiative forcing calculations

XY0255; EGU2008-A-09848; CL25-1TU5P-0255
Debret, M.; Petit, J.-R.; Delmonte, B.; Masei, N.; Sebagn, D.
Dust in Antarctica during the Holocene

XY0256; EGU2008-A-10182; CL25-1TU5P-0256
Elderfield, H.; **McCave, IN**; Ferretti, P.; Greaves, MJ
Eight glacial cycles of deep-water temperature and ice volume from the SW Pacific: Ocean – ice comparisons

XY0257; EGU2008-A-10247; CL25-1TU5P-0257
McClymont, E.L.; Rosell-Mele, A.
North Atlantic and Pacific surface ocean circulation across the mid-Pleistocene transition: implications for northern hemisphere ice-sheet growth

XY0258; EGU2008-A-10893; CL25-1TU5P-0258
Ruth, U.; Bigler, M.; Delmonte, B.; Fischer, H.; Gersonde, R.; Kaufmann, P.; Lambert, F.; Petit, J.-R.; Severi, M.; Wegner, A.
The continuous dust record (150 kyr) from the EPICA-DML ice core, Antarctica: evidence for a sea ice influence on atmospheric circulation

XY0259; EGU2008-A-10927; CL25-1TU5P-0259
Marino & EPICA Dust Team, F.; F. Marino & EPICA Dust Team
Comparing the geochemical composition of dust recorded in the two EPICA ice cores (EDC & EDML) during glacial periods.

XY0260; EGU2008-A-11591; CL25-1TU5P-0260
Hellstrom, J.; Woodhead, J.; Drysdale, R.; Couchoud, I.; Zanchetta, G.
U-Th, U-Pb and U-U dating of the Corchia Cave speleothems: a continuous 1 Ma chronology

CL41 African geodynamics, climate and evolution (co-listed in GD)

Convener: Trauth, M.
Co-Convener(s): Strecker, M., Maslin, M.
Lecture Room D
Chairperson: TRAUTH, M.H.

8:30–8:45; EGU2008-A-05342; CL41-1TU10-001
Tiercelin, J.-J.
Early Cenozoic landscapes of the central/northern Kenya Rift: Precursors of the Hominin-bearing Turkana Basin (solicited)

8:45–9:00; EGU2008-A-04177; CL41-1TU10-002
Ashley, G.M.
The relative role of tectonics and climate change: lake cycles and wetland records from the Olduvai basin, East African Rift (solicited)

9:00–9:15; EGU2008-A-08866; CL41-1TU10-003
Pik, R.; Lavé, J.; Yirgu, G.; Ayalew, D.
Morphotectonic and topographic evolution of the Ethiopian dome since 30 Ma

9:15–9:30; EGU2008-A-00775; CL41-1TU10-004
Stone, J. R.; Cohen, A. S.; Scholz, C. A.; Johnson, T. C.; Beuning, K. R.; King, J. W.
Early late Pleistocene megadroughts in Africa: evidence of extreme aridity from Lake Malawi

9:30–9:45; EGU2008-A-12380; CL41-1TU10-005
Rosell-Melé, A.; Marlow, J.R.; Bracken, P.; Martinez, A.; McClymont, E.L.
Intensification and migration of the Benguela upwelling system associated with the Pliocene-Pleistocene transition

9:45–10:00; EGU2008-A-03297; CL41-1TU10-006
Garcin, Y.; Junginger, A.; Trauth, M.H.; Melnick, D.; Strecker, M.R.; Olago, D.O.; Maslin, M.
Major climatic changes in equatorial East Africa during the late Pleistocene and Holocene: reconstruction from paleo-shorelines in the Suguta Valley, northern Kenya Rift

10:00 END OF SESSION

CL41 African geodynamics, climate and evolution (co-listed in GD) – Posters

Convener: Trauth, M.
Co-Convener(s): Strecker, M., Maslin, M.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: STRECKER, M.R.

XY0261; EGU2008-A-01575; CL41-1TU5P-0261
Zielke, O.; Strecker, M.R.
Recurrence of large earthquakes in continental rifts, a paleoseismic study along the Lakipia-Marmaret fault, Kenya

XY0262; EGU2008-A-01615; CL41-1TU5P-0262
Uenzelmann-Neben, G.; Schlueter, P.; **Weigelt, E.**
Cenozoic oceanic circulation within the South African gateway: indications from seismic stratigraphy

XY0263; EGU2008-A-02203; CL41-1TU5P-0263
Trauth, M.H.; Strecker, M.R.; Deino, A.; Garcin, Y.; Junginger, A.; Maslin, M.; Melnick, D.; Olago, D.; Omenda, P.
The structural and environmental history of Northern Kenya Rift: The Suguta Valley Project

XY0264; EGU2008-A-02288; CL41-1TU5P-0264
Trauth, M.H.; Larrasoana, J.C.
Trends, rhythms and events in Plio-Pleistocene African climate and human evolution

XY0265; EGU2008-A-02246; CL41-1TU5P-0265
Kaufmann, G.
Landscape evolution and glaciation of the Rwenzori Mountains: Insights from numerical modelling

XY0266; EGU2008-A-03109; CL41-1TU5P-0266
Prömmel, K.; Kaspar, F.; Cubasch, U.; Büchner, M.
Influence of tectonic uplift and orbital forcing on climate in East Africa based on regional climate simulations

XY0267; EGU2008-A-05630; CL41-1TU5P-0267
Bokoye, A.I.; Gachon, P.; Gauthier, N.; Cotnoir, A.; Vigeant, G.
Recent trends in the variability and extremes of daily rainfall events over Sahelian countries (western Africa), and the 1961-2000 period

XY0268; EGU2008-A-07105; CL41-1TU5P-0268
Epp, L. S.; Trauth, M. H.; Tiedemann, R.
Molecular genetic analyses of sediment cores from East African Rift Lakes

XY0269; EGU2008-A-08771; CL41-1TU5P-0269
Bergner, A.; Thorpe, J.; Deino, A.; Leng, M.; Mackay, A.; Sloane, H.
Paleoclimate change in East Africa at 119 - 109 ka derived from $\delta^{18}\text{O}$ diatom and diatom assemblages and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology

XY0270; EGU2008-A-09682; CL41-1TU5P-0270
Junginger, A.; Garcin, Y.; Trauth, M.H.; Maslin, M.; Melnick, D.; Strecker, M.R.; Olago, D.
Multiple Cenozoic lake episodes in the Suguta Valley, Northern Kenya Rift

XY0271; EGU2008-A-12312; CL41-1TU5P-0271
Castañeda, I.S.; **Schefuß, E.;** Pätzold, J.; Sinninghe Damsté, J.S.; Schouten1, S.
Organic geochemical evidence for Eastern Mediterranean/North African paleo-climate and Nile River discharge changes during the last 26 kyrs (cancelled)

XY0272; EGU2008-A-12313; CL41-1TU5P-0272
Strecker, M.R.; Melnick, D.; Deino, A.; Trauth, M.; Olago, D.; Garcin, Y.
Oblique rifting and en échelon-segmentation of the northern Kenya Rift

XY0273; EGU2008-A-12315; CL41-1TU5P-0273
Mortimer, E.; Kirstein, L.A.; Foeken, J.; Strecker, M.R.; Stuart, F.
Cenozoic thermal evolution of the Livingstone fault, North Basin, Malawi Rift: insights and implications for the morphotectonic evolution of the East African Rift.

XY0274; EGU2008-A-12332; CL41-1TU5P-0274
Pik, R.; Lavé, J.; Carignan, J.; Yirgu, G.; Ayalew, T.
Timing of East African Rift development in Southern Ethiopia and evolution of topography

Wednesday

CL8 Climate and ocean dynamics from high-resolution marine archives (co-listed in SSP)

Convener: Arz, H.
Co-Convener(s): Felis, T.
Lecture Room 14
Chairperson: N.N.

13:30–13:45; EGU2008-A-03998; CL8-1WE3O-001
LAMY, F.; Caniupan, M.; Arz, H.W.; Hebbeln, D.; Kaiser, J.; Kilian, R.; Kissel, C.; Lange, C.B.; Ninne-mann, U.
Holocene and late Glacial Climate Variability in the Chilean Fjord Region (solicited)

13:45–14:00; EGU2008-A-06786; CL8-1WE3O-002
Sarnthein, M.; Grootes, P.M.; Holbourn, A.; Kennett, J.P.; Kühn, H.; Nadeau, M.J.
Deglacial Changes in MOC: New Evidence Based on 14C Paleoreservoir Ages from the Indo-Pacific

14:00–14:15; EGU2008-A-04296; CL8-1WE3O-003
Hetzinger, S.; Pfeiffer, M.; Dullo, W.-C.; Ruprecht, E.; Garbe-Schoenberg, D.
Impact of remote forcing on climate in the eastern Caribbean Sea during the 20th century as captured by a coral record from Guadeloupe (Lesser Antilles)

14:15–14:30; EGU2008-A-02673; CL8-1WE3O-004
Crueger, T.; Zinke, J.; Pfeiffer, M.
Patterns of Pacific Decadal Variability recorded in Indian Ocean corals

14:30–14:45; EGU2008-A-10962; CL8-1WE3O-005
Weber, M.E.; Reichelt, L.; Ricken, W.; Kuhn, G.; Gersonde, R.
Interannual lamination in sediments from the last glacial maximum, southeastern Wedell Sea: stratigraphic evaluation and paleoceanographic implication

14:45–15:00; EGU2008-A-07209; CL8-1WE3O-006
Blanchet, C.L.; Thouveny, N.; Vidal, L.
Laminations, oxygenation conditions and terrigenous inputs since 120,000 yrs on the North-western American margin

15:00 END OF SESSION

CL8 Climate and ocean dynamics from high-resolution marine archives (co-listed in SSP) – Posters

Convener: Arz, H.
Co-Convener(s): Felis, T.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0185; EGU2008-A-09284; CL8-1WE5P-0185
Juillet-Leclerc, A.; Thiria, S.; Péron, C.
Neural network applied on multi-proxies measured on coral skeleton

XY0186; EGU2008-A-04391; CL8-1WE5P-0186
Pfeiffer, M.; Cahyarini, S.Y.; Timm, O.; Zinke, J.; Hetzinger, S.; Dullo, W.C.
Assessing the accuracy of delta18Osw estimates from corals: lessons from simple Monte Carlo simulations

XY0187; EGU2008-A-02450; CL8-1WE5P-0187
Storz, D.; Gischler, E.
Coral proxy data records historical climate variability in the Maldives, Indian Ocean

XY0188; EGU2008-A-12413; CL8-1WE5P-0188
Giry, C.; Felis, T.; Scheffers, S.
Coral-based climate reconstruction of the southern Caribbean during Holocene time-windows

XY0189; EGU2008-A-08832; CL8-1WE5P-0189
Carriquiry, J.D.; **Villaescusa, J.A.**
Recent climatic variability in the Mexican transition zone in the northeastern Pacific reconstructed by geochemical proxies in corals

XY0190; EGU2008-A-04766; CL8-1WE5P-0190
Felis, T.; Kuhnert, H.; Lohmann, G.; Al-Rousan, S.; Pätzold, J.
Northern Hemisphere temperature seasonality during the Holocene documented in Red Sea corals

XY0191; EGU2008-A-02142; CL8-1WE5P-0191
Reuning, L.; DeVries, T. J.
Seasonal and interannual climate variability recorded in early Pliocene mollusc shells from coastal Peru

XY0192; EGU2008-A-05476; CL8-1WE5P-0192
von der Heydt, A.; Galeotti, S.; Huber, M.; Bice, D.; Dijkstra, H.A.; Jilbert, T.; Lanci, L.; Reichert, G.-J.
Evidence for ENSO variability in the late Miocene

XY0193; EGU2008-A-07288; CL8-1WE5P-0193
Arz, H. W.; Lamy, F.; Kwiczen, O.; Dulski, P.; Röhl, U.
Holocene and Eemian sapropel sedimentation in the anoxic basin of the Black Sea

XY0194; EGU2008-A-06284; CL8-1WE5P-0194
Jilbert, T.; Reichert, G.-J.; Aeschliemann, B.; Günther, D.; Boer, W.; de Lange, G. J.
Calibrating the response of Mediterranean sedimentation to interdecadal climate variability by high resolution scanning of recent laminated sediments

XY0195; EGU2008-A-10199; CL8-1WE5P-0195
Núñez, N.; Herguera, J.C.; Rosell-Melé, A.
ENSO related export productivity interannual variations during the last century in the Southern California Current

XY0196; EGU2008-A-11181; CL8-1WE5P-0196
De Bernardi, B.; Ziveri, P.; Field, D.
The effects of 20th century climatic perturbation on calcareous algae in the Santa Barbara Basin (California)

XY0197; EGU2008-A-11245; CL8-1WE5P-0197
Perez-Cruz, L.; Urrutia-Fucugauchi, J.
Genesis of non-annual laminae in Holocene sediments from the southern Gulf of California: Their relation with ENSO events

XY0198; EGU2008-A-02859; CL8-1WE5P-0198
Michaelovitch de Mahiques, M.; Wainer, I.; Caruso Bicego, M.; Mello e Sousa, S.; Burone, L.; Lopes Figueira, R.
A high-resolution Holocene record on the Southern Brazilian shelf: paleoenvironmental implications

CL11 Climate of the low latitudes

Convener: Paeth, H.
Co-Convener(s): Reichart, G.
Lecture Room 14
Chairperson: N.N.

15:30–15:45; EGU2008-A-00845; CL11-1WE4O-001
Grimm, A.; Zilli, M.
Interannual variability and seasonal evolution of summer monsoon rainfall in South America: role of local and remote forcing

15:45–16:00; EGU2008-A-02133; CL11-1WE4O-002
Fröhlich, E. L.; Knippertz, P.
Tropical-extratropical interactions related to upper-level troughs at low latitudes

16:00–16:15; EGU2008-A-05320; CL11-1WE4O-003
Turner, A. G.; Slingo, J. M.
Subseasonal extremes of precipitation and active-break cycles of the Indian summer monsoon in a climate change scenario

16:15–16:30; EGU2008-A-05826; CL11-1WE4O-004
Griffiths, M.; Drysdale, R.; Frisia, S.; Gagan, M.; Ayliffe, L.; Zhao, J.-x.; St. Pierre, E.; Feng, Y.-x.; Hantoro, W.; Suwargadi, B.
Post-glacial evolution of tropical monsoon precipitation from east Indonesian speleothems

16:30–16:45; EGU2008-A-07627; CL11-1WE4O-005
Mohtadi, M.; Lückge, A.; Steinke, S.; Westphal, N.; Groeneveld, J.; Hebbeln, D.
Paleoceanography of the eastern Indian Ocean: a seasonality issue?

16:45–17:00; EGU2008-A-10056; CL11-1WE4O-006
Prange, M.; Merkel, U.; Mulitza, S.; Stuut, J.-B.; Schulz, M.
West African drying triggered by glacial slowdowns of the Atlantic meridional overturning circulation

17:00 END OF SESSION

CL11 Climate of the low latitudes – Posters

Convener: Paeth, H.
Co-Convener(s): Reichart, G.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0199; EGU2008-A-00419; CL11-1WE5P-0199
Taschetto, A. S.; England, M. H.
Precipitation variability due to Indian Ocean SST anomalies (cancelled)

XY0200; EGU2008-A-00513; CL11-1WE5P-0200
Ummenhofer, C.C.; Sen Gupta, A.; England, M.H.
Contributions of local and large-scale Indian Ocean sea surface temperatures to enhanced East African rainfall (cancelled)

XY0201; EGU2008-A-01619; CL11-1WE5P-0201
Hohberger, E.; **Fröhlich, E. L.;** Knippertz, P.
An Objective Climatology of Tropical Plumes

XY0202; EGU2008-A-02336; CL11-1WE5P-0202
Mao, J.; Wu, G.
Interannual variability in the onset of the summer monsoon over the eastern Bay of Bengal

XY0203; EGU2008-A-02762; CL11-1WE5P-0203
Doose, H.; Lückge, A.; Westphal, N.; Mohtadi, M.; Rühlmann, C.
Sea-surface temperature changes off Sumatra/Java and variations of the Indonesian Throughflow during the late Quaternary

XY0204; EGU2008-A-05310; CL11-1WE5P-0204
Turner, A.G.; Slingo, J.M.
Snow-monsoon relationships in the 1000-year HadCM3 control run and their interaction with remote ENSO forcing

XY0205; EGU2008-A-05964; CL11-1WE5P-0205
Lückge, A.; Pätzold, J.; Keil, W.; Kuhnert, H.; Kuhlmann, H.; Wefer, G.
Hydrographic changes in the northeastern Arabian Sea during the past 80 ka

XY0206; EGU2008-A-06217; CL11-1WE5P-0206
Haimberger, L.; Gruber, C.; Sperka, S.; Tavolato, C.
On the existence of an upper tropospheric warming maximum in the tropics

XY0207; EGU2008-A-07847; CL11-1WE5P-0207
Lazar, R.; Eckart, D.; Kellerer-Pirklbauer, A.
Installation of the Earth's highest located Climate Station Profiles

XY0208; EGU2008-A-09423; CL11-1WE5P-0208
Mathien, E.; Bassinot, F.
Abrupt hydrographic changes in the Bay of Bengal during the Holocene

XY0209; EGU2008-A-10630; CL11-1WE5P-0209
Kaspar, F.; Prömmel, K.; Cubasch, U.
Evaluation of simulated East African precipitation in climate simulations with different convection and cloud-ice schemes

CL17 Observing climate change and variability from space: achievements and challenges

Convener: Kirchengast, G.
Co-Convener(s): Schulz, J.
Lecture Room 26
Chairperson: KIRCHENGAST, G.

15:30–15:45; EGU2008-A-09707; CL17-1WE4O-001
Klocke, D.; Bakan, S.; Hagemann, S.; Andersson, A.
Comparison of water cycle components over global oceans from HOAPS-3 with reanalysis data and climate model results (solicited)

15:45–16:00; EGU2008-A-01482; CL17-1WE4O-002
Allan, R.P.; John, V.O.
Monitoring satellite observations and model simulations of changes in the atmospheric hydrological cycle since 1979

16:00–16:15; EGU2008-A-06883; CL17-1WE4O-003
Jonas, M.; Schulz, J.; Schröder, M.; Lindau, R.
Comprehensive intercomparison of a satellite-derived total water vapour column climatology from CM-SAF with various re-analyses and in-situ data

16:15–16:30; EGU2008-A-09177; CL17-1WE4O-004
Steiner, A.K.; Kirchengast, G.; Lackner, B.C.; Pirscher, B.; Foelsche, U.
Atmospheric Climate Change Detection based on GPS/Met and CHAMP Radio Occultation Records 1995 to 2007 (solicited)

16:30–16:45; EGU2008-A-04912; CL17-1WE4O-005
McDonald, A. J.; George, S. E.
Consistency of the upper-air temperature climate record observed by satellites, radiosondes and reanalyses in the southern hemisphere

16:45–17:00; EGU2008-A-02041; CL17-1WE4O-006
Bevan, S.; Grey, W.; North, P.; Los, S.
A 12-year global gridded dataset of surface bidirectional reflectance and aerosol optical depth from ATSR-2 and AATSR measurements

17:00 END OF SESSION

CL17 Observing climate change and variability from space: achievements and challenges – Posters

Convener: Kirchengast, G.
Co-Convener(s): Schulz, J.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: JONAS, M.

XY0210; EGU2008-A-01759; CL17-1WE5P-0210
Liu, Yi; van Dijk, A.; de Jeu, R.; Holmes, T.
Satellite-observed soil and vegetation moisture content (1978–2006) show strong inter-annual ENSO signal across Australia (solicited)

XY0211; EGU2008-A-02271; CL17-1WE5P-0211
Wagner, T.; Beirle, S.; Grzegorski, M.; Platt, U.
Effects of ENSO on global cloud cover (solicited)

XY0212; EGU2008-A-09244; CL17-1WE5P-0212
Herrmann, K.; Fischer, J.; Leinweber, R.; Preusker, R.
Trend analysis of total column-integrated water vapor over cloudfree land surfaces

XY0213; EGU2008-A-05900; CL17-1WE5P-0213
Kirk-Davidoff, D.; Joseph, R.; Anderson, J.
Sampling Errors of Climate Monitoring Constellations (solicited)

XY0214; EGU2008-A-10779; CL17-1WE5P-0214
Schweitzer, S.; Kirchengast, G.; Ladstädter, F.
The ACCURATE Mission and the new Infrared Laser Occultation Technique: Measuring Principle, Capabilities, and Performance Simulation Results

XY0215; EGU2008-A-10568; CL17-1WE5P-0215
Frotscher, K.; Huettig, Ch.
Mapping gradual changes in boreal forests using MODIS time series (solicited)

XY0216; EGU2008-A-06744; CL17-1WE5P-0216
Ringer, M.; Healy, S.
Monitoring twenty-first century climate using GPS radio occultation bending angles (solicited)

XY0217; EGU2008-A-05955; CL17-1WE5P-0217
Lackner, B.C.; Steiner, A.K.; Ladstädter, F.; Kirchengast, G.
Assessing Climate Trend Indicators from Radio Occultation based on Reanalyses and Global Climate Model Scenarios

XY0218; EGU2008-A-09859; CL17-1WE5P-0218
Ladstädter, F.; Steiner, A. K.; Lackner, B. C.; Kirchengast, G.; Muigg, P.; Kehrner, J.; Doleisch, H.
Assessment of Climate Change Indicators with the Interactive Visual Field Exploration Tool SimVis

XY0219; EGU2008-A-04861; CL17-1WE5P-0219
Staten, P.; Reichler, T.
Long-Term Monitoring of Global Tropopause Parameters Using Radio Occultation

XY0220; EGU2008-A-09405; CL17-1WE5P-0220
Borsche, M.; Pirscher, B.; Foelsche, U.; Kirchengast, G.
CHAMP Climatologies retrieved with high-Altitude Initialization by ECMWF Forecasts for the Creation of a continuous Climate Record

XY0221; EGU2008-A-05425; CL17-1WE5P-0221
Gleisner, H.; Lauritsen, K.B.; Syndergaard, S.; Rubek, F.; Sørensen, M.B.
Climate data based on radio occultation measurements by the GRAS/METOP instrument

XY0222; EGU2008-A-06232; CL17-1WE5P-0222
Pavelyev, A.G.; Gubenko, V.N.; Liou, Y.A.; Wickert, J.; Pavelyev, A.A.
Application of the GPS radio occultation technology for studying of the internal waves in the atmosphere (solicited)

XY0223; EGU2008-A-09437; CL17-1WE5P-0223
Notarpietro, R.; Cucca, M.; Paris, D.; Lazzara, F.; Pettitta, M.; Tartaglione, N.
Processing of radio occultation signals: preliminary results from the Italian ROSA ROSSA team

XY0224; EGU2008-A-12340; CL17-1WE5P-0224
Schroeder, M.; Schulz, J.; Jonas, M.; Lindau, R.
Long-term application and evaluation of IAPP using global radiosonde and CHAMP measurements

XY0225; EGU2008-A-09711; CL17-1WE5P-0225
Hill, J.; Juckes, M.
Using Fast data fusion to develop high resolution climate quality sea surface temperature data sets from multiple space based data sources

XY0226; EGU2008-A-04088; CL17-1WE5P-0226
Titchner, H.; Rayner, N.
The use of passive microwave retrievals in the generation of a long term sea ice concentration series

XY0227; EGU2008-A-10163; CL17-1WE5P-0227
Lockhoff, M.; Reuter, M.; Thomas, W.; Weber, R.
Comparison of SEVIRI-based cloud fractional coverage and cloud top pressure with synoptic measurements and corresponding MODIS products

XY0228; EGU2008-A-10280; CL17-1WE5P-0228
Gkikas, A.; Hatzianastassiou, N.; Mihalopoulos, N.
Aerosol events in the Mediterranean basin during the 7-year period (2000-2007) based on MODIS-Terra data

XY0229; EGU2008-A-05083; CL17-1WE5P-0229
Kern, A.; Barcza, Z.; Bartholy, J.; Pongrácz, R.; Timár, G.; Ferencz, Cs.
Analysis of MODIS NDVI time series for Hungary in 2007: detecting the phenological impacts of the summer heatwave (solicited)

XY0230; EGU2008-A-05043; CL17-1WE5P-0230
BRICHE, E.; QUENOL, H.; **BELTRANDO, G.**
Temperatures and index of Huglin: indicators of spatio-temporal variability at fine scales in Vinho Verde vineyard.

CL18 Anthropogenic climate change: forcing, modelling, detection-attribution and impacts

Convener: Collins, M.
Co-Convener(s): Terray, L., Dufresne, J.
Lecture Room 13
Chairperson: COLLINS, M.

13:30–13:45; EGU2008-A-01361; CL18-1WE3O-001
Dommenget, D
The Ocean's Lead in Continental Climate Change and Variability

13:45–14:00; EGU2008-A-02048; CL18-1WE3O-002
Pinto, J.G.; Kerschgens, M.; Leckebusch, G.C.; Neuhaus, C.P.; Reyers, M.; Speth, P.
Impacts of climate change to storm events and losses over West Germany

14:00–14:15; EGU2008-A-01650; CL18-1WE3O-003
Seiffert, R.; von Storch, J.-S.
Studying the impact of small-scale atmospheric fluctuations on the temperature response to CO₂ forcing within a stochastic framework

14:15–14:30; EGU2008-A-02686; CL18-1WE3O-004
Stendel, M.; Christensen, J.H.; Adalgeirsdottir, G.; Kliem, N.; Drews, M.
Climate Change over Greenland and Surrounding Seas in a High-Resolution Transient Simulation

14:30–14:45; EGU2008-A-02975; CL18-1WE3O-005
Watterson, I
Understanding the range of simulated regional climate change among CMIP3 models: the role of tropical SST anomalies

14:45–15:00; EGU2008-A-05277; CL18-1WE3O-006
Reifen, C.; Toumi, R
AOGCM predictions: better past performance no guarantee of enhanced future skill

15:00 COFFEE BREAK

Chairperson: TERRAY, L. AND DUFRESNE, J.-L.

15:30–15:45; EGU2008-A-05825; CL18-1WE4O-001
Thompson, D.
Understanding recent stratospheric climate change

15:45–16:00; EGU2008-A-08051; CL18-1WE4O-002
Dong, B.; Sutton, R. T.; Gregory, J. M.
Understanding Land-Sea Warming Contrast in Response to Increasing Greenhouse Gases

16:00–16:15; EGU2008-A-08074; CL18-1WE4O-003
Jacob, D.
How much climate change is unavoidable in Europe?

16:15–16:30; EGU2008-A-08242; CL18-1WE4O-004
Matthews, H. D.; Caldeira, K.
Stabilizing climate requires near-zero emissions

16:30–16:45; EGU2008-A-02856; CL18-1WE4O-005
Hallegatte, S.; Herweijer, C.; Patmore, N.; Muir-Wood, R.; Mestre, O.; Corfee-Morlot, J.
Copenhagen, Sea Level Rise and Future Storm Surge Risk: Exposure Analysis and Simulation of Economic Loss

16:45–17:00; EGU2008-A-10930; CL18-1WE4O-006
Lenton, T. M.; **Held, H.;** Kriegler, E.; Hall, J. W.; Lucht, W.; Rahmstorf, S.; Schellnhuber, J.
Tipping elements in the Earth's climate system

17:00 END OF SESSION

CL18 Anthropogenic climate change: forcing, modelling, detection-attribution and impacts – Posters

Convener: Collins, M.
Co-Convener(s): Terray, L., Dufresne, J.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: COLLINS, M.

XY0231; EGU2008-A-00256; CL18-1WE5P-0231
Chou, C.; Tu, J.-Y.; Tan, P.-H.
Asymmetry of tropical precipitation change under global warming

XY0232; EGU2008-A-00701; CL18-1WE5P-0232
Pieczka, I.; Hunyady, A.; Kardos, P.; Bartholy, J.; Pongrácz, R.
Regional climate change expected in the Carpathian Basin in case of SRES A2 scenario using the model PRECIS

XY0233; EGU2008-A-01363; CL18-1WE5P-0233
May, W.
Climatic changes associated with a global “2 °C-stabilization” scenario simulated by the ECHAM5/MPI-OM coupled climate model

XY0234; EGU2008-A-02520; CL18-1WE5P-0234
Ramos, A. M.; Lorenzo, M. N.; Gimeno, L.; Taboada, J. J.; Trigo, R. M.
Trends in weather type frequencies centred in Northwestern Iberian Peninsula for present and changing climates

XY0235; EGU2008-A-09163; CL18-1WE5P-0235
Kaas, E.; Royer, J-F; Huebener, H; Niehörster, F; Dufresne, J-L; Johns, T; Lowe, J; Good, P; Roechner, E.; Esch, M
Estimates of Fixed SST-forcing in the 20th Century ENSEMBLES Stream One Simulations

XY0236; EGU2008-A-03190; CL18-1WE5P-0236
Leckebusch, G.C.; Weimer, A.; Pinto, J.G.; Reyers, M.; Speth, P.
Winter storm identification by means of a cluster analysis

XY0237; EGU2008-A-03878; CL18-1WE5P-0237
Collins, M.; Bhaskaran, B; Booth, B; Harris, G; Murphy, J; Sexton, D; Webb, M
Model errors and climate change feedbacks in multi-model and perturbed-physics ensembles

XY0238; EGU2008-A-04697; CL18-1WE5P-0238
Golubyatnikov, L.L.; Denisenko, E.A.
Climate change impact on the vegetation dynamics in Russia

XY0239; EGU2008-A-05178; CL18-1WE5P-0239
Pfeifer, S.; Jacob, D.
Assessment of the climate change signal for Central and Eastern Europe

XY0240; EGU2008-A-05184; CL18-1WE5P-0240
Kirchner, I.; Fast, I.; Niehörster, F.; Spanghel, T.
Response to Tropospheric Aerosol Changes in a Fully Coupled Ocean Troposphere Stratosphere Model (EGMAM)

XY0241; EGU2008-A-07064; CL18-1WE5P-0241
Racherla, P.; Pandis, S.; Adams, P.
The sensitivity of ozone and particulate matter concentrations over Europe to global change

XY0242; EGU2008-A-08020; CL18-1WE5P-0242
Yao, FM; Zhang, JH
The impacts of climate change on rice yields in China

XY0243; EGU2008-A-08763; CL18-1WE5P-0243
Kumasi, T. C.; Obiri-Danso, K.; Ephraim, J. H.
Impacts of land-use change on the water quality of the main source of pipe borne water for Kumasi, Ghana (A case study of the Barekese reservoir catchment area)

XY0244; EGU2008-A-09174; CL18-1WE5P-0244
Feichter, J.; Kloster, S.; Fischer-Bruns, I.; Dentener, F.; van Aardenne, J
Climate response of aerosol emissions from specific economic sectors

XY0245; EGU2008-A-11298; CL18-1WE5P-0245
Montávez, J.P.; Jerez, S.; Gómez-Navarro, J.J.; García-Valero, J.A.; Saenz, J.; González-Rouco, J.F.
Detection and attribution of climate change in the Iberian Peninsula by using regional climate models.

XY0246; EGU2008-A-11465; CL18-1WE5P-0246
Bhend, J.; von Storch, H.
Potential detectability of an anthropogenic climate change in a surrogate climate

CL24 Modelling late Quaternary climate (including Milutin Milankovic Medal Lecture)

Convener: Weber, N.
Co-Convener(s): Hargreaves, J., Kageyama, M.
Lecture Room 13
Chairperson: N.N.

8:30–9:00; EGU2008-A-01698; CL24-1WE1O-001
Peltier, W. R.
The Late-Quaternary ice-age cycle: Milankovic plus! (Milutin Milankovic Medal Lecture) (solicited)

9:00–9:15; EGU2008-A-02073; CL24-1WE1O-002
Calov, R.; Ganopolski, A.; Claussen, M
Simulation of Termination II

9:15–9:30; EGU2008-A-09166; CL24-1WE1O-003
Singarayer, J.; Ridgwell, A.; Valdes, P
Impact of ocean circulation on glacial Pacific abyssal carbon storage and deglacial release

9:30–9:45; EGU2008-A-08557; CL24-1WE1O-004
Montoya, M.; Levermann, A.
Surface wind-stress threshold for glacial Atlantic overturning

9:45–10:00; EGU2008-A-05643; CL24-1WE1O-005
Otieno, F.; Essig, M.; **Oglesby, R.;** Bromwich, D.
Simulating Glacial Inception at 115ka: Relative Effects of Orbital Forcing and CO₂

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-02654; CL24-1WE2O-001
Marchal, O.; Burke, A.
Testing paleoceanographic hypotheses using inverse methods: Application to Pa-231/Th-230 data for the Heinrich Event 1

10:45–11:00; EGU2008-A-11208; CL24-1WE2O-002
Hoffmann, G.
Interpretation of Water Isotope Signals in paleo archives covering the last 20.000 years

11:00–11:15; EGU2008-A-02256; CL24-1WE2O-003
Crucifix, M.; Rougier, J.
Could Ruddiman's hypothesis be undecidable ?

11:15–11:30; EGU2008-A-00735; CL24-1WE2O-004
Marzin, C.; Braconnot, P.
Asian monsoon variations and teleconnections during the Holocene

11:30–11:45; EGU2008-A-03488; CL24-1WE2O-005
Fischer, N.; Jungclaus, J.; Raddatz, T.; Brovkin, V.
Eemian and Holocene Climate Variability in a Coupled Atmosphere-Ocean-Biosphere Model

11:45–12:00; EGU2008-A-06016; CL24-1WE2O-006
Phipps, S. J.
Simulating the evolution of ENSO over the late Holocene

12:00 END OF SESSION

CL24 Modelling late Quaternary climate (including Milutin Milankovic Medal Lecture) – Posters

Convener: Weber, N.
Co-Convener(s): Hargreaves, J., Kageyama, M.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0247; EGU2008-A-04198; CL24-1WE5P-0247
Bonelli, S.; Charbit, S.; Ramstein, G.; Dumas, C.
Studying the evolution of major northern hemisphere ice sheets during marine isotopic stage 11 with a fully coupled climate-ice sheet model

XY0248; EGU2008-A-01224; CL24-1WE5P-0248
Sime, L.; Quere, C.; Wolff, E.; Connolley, W.; de Boer, A.; Bopp, L.
Influence of changes in boundary conditions on Southern ocean winds at the last glacial inception

XY0249; EGU2008-A-02249; CL24-1WE5P-0249
Kjellström, E.; Brandefelt, J.; Strandberg, G.; Smith, B.; Wohlfarth, B.; Näslund, J.-O.
Global and regional climate model simulations of extreme climate conditions in Sweden in a 100,000 year perspective

XY0250; EGU2008-A-06140; CL24-1WE5P-0250
Arsouze, T; **Dutay, J-C;** Kageyama, M; Jeandel, C; Alkama, R; Marti, O; Lacan, F
Influence of the Atlantic thermohaline circulation on neodymium isotopic composition at the last glacial maximum, a modelling sensitivity test.

XY0251; EGU2008-A-09092; CL24-1WE5P-0251
Kageyama, M.; Mignot, J.; Swingedouw, D.; Marzin, C; Alkama, R; Marti, O
Climate and thermohaline circulation relationships in a glacial world: a modelling study with the IPSL model

XY0252; EGU2008-A-02604; CL24-1WE5P-0252
Weber, S.L.; Drijfhout, S.S.
The stability of the AMOC in the Last Glacial Maximum climate

XY0253; EGU2008-A-03244; CL24-1WE5P-0253
Strandberg, G.; Brandefelt, J; Kjellström, E
Modelling last glacial maximum climate variability with a high resolution regional climate model

XY0254; EGU2008-A-11658; CL24-1WE5P-0254
Lainé, A.; Kageyama, M.; Alkama, R.; Braconnot, P.
Climatic impacts of greenhouse gas concentration changes under glacial and interglacial conditions: Polar amplification, land/sea warming ratio, atmospheric circulation impacts

XY0255; EGU2008-A-01456; CL24-1WE5P-0255
Lu, J.-M.; **Kim, S.-J.**
The Arctic Oscillation at the mid-Holocene and the Last Glacial Maximum: A comparison between PMIP 2 models

XY0256; EGU2008-A-00335; CL24-1WE5P-0256
Brown, K.J.; **Schoups, G.;** Hebda, R.J.
Reconstructing the history of precipitation across a steep moisture gradient in the coastal temperate rainforest complex of western North America

XY0257; EGU2008-A-05510; CL24-1WE5P-0257
Braconnot, P.; Marzin, C; Grégoire, L; Mosquet, E; marti, O
Monsoon response to changes in Earth's orbital parameters : comparisons between simulations of the Eemian and of the Holocene.

XY0258; EGU2008-A-03262; CL24-1WE5P-0258
Renssen, H.; Roche, D.M.; Goosse, H.; Fichefet, T.
Modelling the impact of the Laurentide Ice sheet on the timing of the Holocene thermal maximum

XY0259; EGU2008-A-09230; CL24-1WE5P-0259
Schneider von Deimling, T.; Ganopolski, A; Held, H; Rahmstorf, S
Are paleo-proxy data helpful for constraining future climate change?

XY0260; EGU2008-A-02557; CL24-1WE5P-0260
Muri, H.; Allen, M; Yamazaki, H; Henderson, G; Valdes, P
Paleo-Constraints In Ensemble Climate Modeling

XY0261; EGU2008-A-05089; CL24-1WE5P-0261
Rutt, I.C.; Lunt, D.J.; Payne, A.J.; Valdes, P.J.
Ice sheet-climate coupling in the GENIE earth system model: assessment and challenges

XY0262; EGU2008-A-06791; CL24-1WE5P-0262
Smith, R.S.; Osprey, A.; Gregory, J.M.; Browne, O.J.H; Hosoe, T.
FAMOUS-C - a new earth system model

CL31 Cenozoic Antarctic glacial history

Convener: Florindo, F.
Co-Convener(s): Harwood, D., Gersonde, R.
Lecture Room 26
Chairperson: F.FLORINDO-D.HARWOOD

10:30–10:45; EGU2008-A-02255; CL31-1WE2O-001
Brinkhuis, H
The onset of Antarctic glaciation and the Eocene – Oligocene transition; cooling, sea level or both?

10:45–11:00; EGU2008-A-12320; CL31-1WE2O-002
Harwood, D.M.; Florindo, F.; Talarico, F.; Levy, R.H.; SMS Science Team
Initial results of ANDRILL's Southern McMurdo Sound Project drillcore AND-2A: early Miocene to Recent paleoclimate and geological history of the Victoria Land Basin, Antarctica

11:00–11:15; EGU2008-A-04485; CL31-1WE2O-003
Naish, T; Powell, R; Levy, R; ANDRILL-McMurdo Ice Shelf Project Science Team
Role of the Antarctic ice sheet in Plio-Pleistocene climate evolution: Implications from ANDRILL-McMurdo Ice Shelf Project drilling

11:15–11:30; EGU2008-A-05723; CL31-1WE2O-004
McKay, R.; **Carter, L.;** Browne, G.; Cowan, E.; Dunbar, G.; Krissek, L.; Naish, T.; Powell, R.; Wilch, T.
A 13 million year history of ice advance and retreat in the Western Ross Embayment – stratigraphic evidence from ANDRILL Site 1B.

11:30–11:45; EGU2008-A-07877; CL31-1WE2O-005
Levy, R.; Cody, R; Crampton, J; Fielding, C; Harwood, D; Winter, D
Early Pliocene environmental variation in McMurdo Sound inferred from correlation of drill cores using models generated under constrained optimization.

11:45–12:00; EGU2008-A-09804; CL31-1WE2O-006
Hill, D.J.; Haywood, A.M.; Hindmarsh, R.C.A; Valdes, P.J.
Climate and ice sheet modelling of mid-Pliocene East Antarctica

12:00 END OF SESSION

CL31 Cenozoic Antarctic glacial history – Posters

Convener: Florindo, F.
Co-Convener(s): Harwood, D., Gersonde, R.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: F.FLORINDO-D.HARWOOD-R.GERSONDE

XY0263; EGU2008-A-01367; CL31-1WE5P-0263
Johnson, J. S.; Bentley, M. J.; Gohl, K.
First exposure ages from the Amundsen Sea Embayment, West Antarctica: the Late Quaternary context for recent thinning of Pine Island, Smith and Pope Glaciers.

XY0264; EGU2008-A-01613; CL31-1WE5P-0264
Uenzelmann-Neben, G.; Gohl, K.; Larter, R.D.; Schlueter, P.
Differences in ice retreat across Pine Island Bay, West Antarctica, since the Last Glacial Maximum: Indications from multichannel seismic reflection data

XY0265; EGU2008-A-09152; CL31-1WE5P-0265
Baroni, C.; Fasano, F.; **Finocchiario, F.**
Ice sheet conditions in western Ross Sea (Antarctica) during LGM from micromorphological marine core observations.

XY0266; EGU2008-A-07252; CL31-1WE5P-0266
Morelli, D.; Colizza, E.; Corradi, N.; **Finocchiario, F.;** Giglio, F.; Langone, L.; Ridente, D.
Morpho-stratigraphic features of the Edisto Inlet, a high sedimentation rate site in western Ross Sea (Antarctica).

XY0267; EGU2008-A-02017; CL31-1WE5P-0267
Weigelt, E.; Gohl, K.; Uenzelmann-Neben, G.; Larter, R.
Ice-sheet variations as depicted in seismic records of the Amundsen Sea Embayment, West Antarctica

XY0268; EGU2008-A-01123; CL31-1WE5P-0268
Berg, S.; **Wagner, B.**; Melles, M.
The Late Quaternary environmental history of the Rauer Group (East Antarctica)

XY0269; EGU2008-A-12316; CL31-1WE5P-0269
Venuti, A.; Florindo, F.; Caburlotto, A.
Environmental magnetic records of Mid-Late Pleistocene drift sedimentary sequences from the Antarctic Peninsula, Pacific Margin

XY0270; EGU2008-A-06720; CL31-1WE5P-0270
Escutia, C.; Bárcena, M.A.; Lucchi, R.; Romero, O.; Balleger, A.M.
Circum-Antarctic warming events between 3.5 and 3.7 Ma recorded in sediments from Prydz Bay (ODP Leg 188) and the Antarctic Peninsula (ODP Leg 178)

XY0271; EGU2008-A-03491; CL31-1WE5P-0271
Vautravers, M.J.; Nelson, A.E
Late Messinian Glacio-marine deposit from James-Ross Island, Antarctica: Benthic foraminiferal content insight on the ice-sheet evolution.

XY0272; EGU2008-A-05225; CL31-1WE5P-0272
Niessen, F.; Magens, D.; Gebhardt, A.C.
A Late Neogene record of density and porosity from the AND-1B core – implication for cyclic environmental change and glacial history in the McMurdo Sound region

XY0273; EGU2008-A-04400; CL31-1WE5P-0273
Pollard, D.; DeConto, R.M.
Antarctic ice sheet/shelf variations during Marine Isotope Stage 31

XY0274; EGU2008-A-09761; CL31-1WE5P-0274
Vogel, S.W.; ANDRILL Science Team, .
Major and minor element concentrations in the ANDRILL MIS core – complex interaction between glacial-climatic and volcanic processes?

XY0275; EGU2008-A-09160; CL31-1WE5P-0275
Vogel, S.W.
Preliminary carbon isotope results from the ANDRILL MIS core – the top 100 m of AND-001-B.

XY0276; EGU2008-A-05490; CL31-1WE5P-0276
Cattadori, M
ANDRILL educational activities in Italy; progettosmilla.it, a case-study of an interactive project

XY0277; EGU2008-A-09966; CL31-1WE5P-0277
Huffman, L.; Berg, M.; Dahlman, L.; Diamond, J.; Farrell, M.; Harwood, D.; Hochman, G.; **Levy, R.**; Rack, F
Developing climate change literacy from an Antarctic perspective through the ANDRILL education and public outreach program.

XY0278; EGU2008-A-06138; CL31-1WE5P-0278
Bijl, P.K.; Warnaar, J.; Brinkhuis, H.; Pross, J.; Sluijs, A.; Stickley, C.E.; Guerin, R.; Huber, M.; Visscher, H.
Early Paleogene dinoflagellate biogeography of the Southern Ocean; implications for surface-water circulation.

XY0279; EGU2008-A-10556; CL31-1WE5P-0279
Rack, F.R.; Naish, T.; Levy, R.; Pyne, A.; and The ANDRILL Science Committee
Antarctic scientific drilling – a view to the future.

XY0280; EGU2008-A-10789; CL31-1WE5P-0280
Luyendyk, B.P.; Wilson, D.S.; Decesari, R.; Sorlien, C.C.; Bartek, L.R.; Rack, F.R.; ANDRILL Science Committee
Coulman High ANDRILL sites (C-19 calving site on Coulman High), Ross Sea, Antarctica

XY0281; EGU2008-A-11932; CL31-1WE5P-0281
Barker, P.; Escutia, C.; Filippelli, G.; **Florindo, F.**; Funakawa, S.; Pagani, M.; Thomas, E.
The Onset and Role in Climate Development of the Antarctic Circumpolar Current

XY0282; EGU2008-A-12063; CL31-1WE5P-0282
Bart, P.; DeSantis, L.; Sjunneskog, C.; Warny, S.; Rack, F.; Shevenelle, A.; Domack, E.; **Florindo, F.**; Bartek, L.; Davey, F.
Late Neogene Cenozoic history of the Ross Sea continental margin IODP proposal: the missing link between the inner shelf and the Southern Ocean records.

CL36 Warm Climates in the Past

Convener: Winguth, A.
Co-Convener(s): Bice, K., Brinkhuis, H., Kirk-Davidoff, D., Ridgwell, A.
Lecture Room 26
Chairperson: N.N.

8:30–8:45; EGU2008-A-10882; CL36-1WE1O-001
Donnadieu, Y.; Godderis, Y.; DeVargas, C.; Pierrehumbert, R.; Dromart, G.; VanDerSchootbrugge, B
Causal or casual link between the rise of nannoplankton calcification and a tectonically-driven massive decrease in late Triassic atmospheric CO₂ ?

8:45–9:00; EGU2008-A-04969; CL36-1WE1O-002
Sinninghe Damste, JS.; Mueller, A.; van Bentum, E.; Forster, A.; Reichert, G.J.; Schouten, S
A parallel drop in pCO₂ and sea surface temperature during a mid-Cretaceous Oceanic Anoxic Event (solicited)

9:00–9:15; EGU2008-A-05669; CL36-1WE1O-003
Zachos, J.; McCarren, H.; Murphy, B.; Röhl, U.; Westerhold, T.
Climate and carbon cycle coupling during the late Paleocene and early Eocene: Inferences from high-resolution stable isotope records (solicited)

9:15–9:30; EGU2008-A-03638; CL36-1WE1O-004
Sluijs, A.; Schouten, S.; Röhl, U.; Reichert, G.-J.; Sinninghe Damsté, J.S.; Sangiorgi, F.; Krishnan, S.; Pagani, M.; Brinkhuis, H
Fresh and warm Arctic Ocean surface waters during Eocene Thermal Maximum 2 (solicited)

9:30–9:45; EGU2008-A-12374; CL36-1WE1O-005
Valdes, P.J.
Model-Data Comparisons for the Early Eocene climates (solicited)

9:45–10:00; EGU2008-A-05889; CL36-1WE1O-006
Kirk-Davidoff, D.; Solomon, A.; Murphy, L
Mesoscale modeling of convective feedbacks over an ice-free Arctic Ocean

10:00 END OF SESSION

CL36 Warm Climates in the Past – Posters

Convener: Winguth, A.

Co-Convener(s): Bice, K., Brinkhuis, H., Kirk-Davidoff, D., Ridgwell, A.

Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0283; EGU2008-A-07781; CL36-1WE5P-0283

Chen, Z. Q.

Benthic responses to Permian icehouse-greenhouse climatic turnover from Gondwana and Tethys: Evidence from brachiopod faunas in South China and Western Australia

XY0284; EGU2008-A-05999; CL36-1WE5P-0284

Horne, D.J.

A temporary pond in the Early Cretaceous of southern England: palaeoclimatic implications of nonmarine “Purbeck-Wealden” ostracod faunas

XY0285; EGU2008-A-09509; CL36-1WE5P-0285

Spofforth, D. J.; Agnini, C.; Pálike, H.; Rio, D.; Bohaty, S.; Fornaciari, E.; Giusberti, L.; Lanci, L.; Luciani, V.; Muttoni, G.

Evidence for the Middle Eocene Climatic Optimum (“MECO”) in the Venetian Alps.

XY0286; EGU2008-A-10116; CL36-1WE5P-0286

Stoll, H.; Shimizu, N.; Ziveri, P.; Zentner, D.; Emhoff, K.

Response of coccolithophorid algae to the PETM: productivity and carbon acquisition

XY0287; EGU2008-A-10069; CL36-1WE5P-0287

Luciani, V.; Agnini, C.; Backman, J.; Giusberti, L.; Lucchi, R.; Muttoni, G.; Rio, D.

Planktonic foraminiferal response to the Early Eocene Climatic Optimum at the Tethyan Possagno section (Italy)

XY0288; EGU2008-A-04140; CL36-1WE5P-0288

Lunt, D.J.; Valdes, P.J.; Ridgwell, A.

Sensitivity to CO₂ of the Eocene climate - implications for ocean circulation and glaciation

XY0289; EGU2008-A-01391; CL36-1WE5P-0289

Sijp, W.; England, M.

Eocene warmth, Drake Passage and the hydrological cycle

XY0290; EGU2008-A-08638; CL36-1WE5P-0290

Handley, L.; Hollis, C.; Crouch, E.; Schouten, S.; Huber, M.; Morgans, H.; Pearson, P.; Baker, J.; Burgess, C.; **Pancost, R.** Dramatic high latitude sea surface temperature change during the Paleogene: New multi-proxy records from New Zealand

XY0291; EGU2008-A-02445; CL36-1WE5P-0291

Stap, L.; Lourens, L.J.; Sluijs, A.; Thomas, E.

Reconstruction of ocean temperature and carbonate dissolution during ETM-2 (53.7 Ma)

XY0292; EGU2008-A-10810; CL36-1WE5P-0292

Dedert, M.; Stoll, H.M.; Ziveri, P.

Calcareous nannoplankton productivity response to the Early Eocene Hyperthermal Event (ETM2) Elmo

XY0293; EGU2008-A-02066; CL36-1WE5P-0293

Haywood, A. M.; Lunt, D. J.

Modelling mid Pliocene warmth: contribution of atmosphere, oceans and cryosphere revisited

XY0294; EGU2008-A-00498; CL36-1WE5P-0294

Bonham, S.; Haywood, A.; Lunt, D.; Collins, M.

Pliocene Climate, ENSO and Equifinality

XY0295; EGU2008-A-09996; CL36-1WE5P-0295

Etourneau, J.; Schneider, R.; Martinez, P.; Blanz, T.

Nitrogen fixation within both Benguela Upwelling System and Eastern Equatorial Pacific as a strong contributor of the Pliocene cooling?

XY0296; EGU2008-A-04332; CL36-1WE5P-0296

Vizzaino, M.; Rupper, S.; Chiang, J.

Comparison of different mechanisms explaining the absence of Northern Hemisphere ice sheets prior to ~2.75 Ma

XY0297; EGU2008-A-02390; CL36-1WE5P-0297

Helmke, J.P.; Bauch, H.A.; Röhl, U.; Kandiano, E.S.

Uniform climate development between the subtropical and subpolar Northeast Atlantic across marine isotope stage 11

XY0298; EGU2008-A-05701; CL36-1WE5P-0298

Dickson, A. J.; Bendle, J. A.; Leng, M. J.; Maslin, M. A.; McClymont, E. L.; Pancost, R. D.

Surface water heat transport in the South East Atlantic Ocean during Marine Isotope Stage 11

XY0299; EGU2008-A-02076; CL36-1WE5P-0299

Kellerer-Pirklbauer, A.; Drescher-Schneider, R.; Lieb, G.K.; Slupetzky, H.

New insight into the Holocene environment of the Central Alps of Austria based on recent peat findings at Pasterze Glacier, Central Austria

CL37 The Miocene on land and in the oceans (co-listed in SSP)

Convener: Diester-Haass, L.

Co-Convener(s): Billups, K., Roth, N. Nebelsick, A.

Lecture Room 26

Chairperson: DIESTER-HAASS, L., ROTH-NEBELSICK, A.

13:30–13:45; EGU2008-A-04984; CL37-1WE30-001

Holbourn, A.; Kuhnt, W.; Regenber, M.; Haley, B.; Mix, A.; Andersen, N.

Pacific circulation during the middle Miocene climate transition (16.5–12.5 Ma) (solicited)

13:45–14:00; EGU2008-A-01297; CL37-1WE30-002

Diester-Haass, L.; Billups, K.; Groeche, D.; Francois, L.; Lefebvre, V.; Emeis, K-C

The middle Miocene carbon isotope shift revisited with marine proxies and numerical models

14:00–14:15; EGU2008-A-06094; CL37-1WE30-003

François, L.; Lefebvre, V.; Diester-Haass, L.; Emeis, K. C.; Billups, K.; Gröcke, D. R.

Modelling the middle Miocene excursion in the ¹³C isotopic composition of deep seawater (solicited)

14:15–14:30; EGU2008-A-01747; CL37-1WE30-004

Kuerschner, W. M.; Kvacek, Z.; Dilcher, D. L.

The impact of Miocene atmospheric carbon dioxide fluctuations on climate and the evolution of terrestrial ecosystems

14:30–14:45; EGU2008-A-01772; CL37-1WE30-005

Michels, A.; Bruch, A.A.; Eronen, J.; Fortelius, M.; Mosbrugger, V.; Utescher, T.

Simulating the Late Miocene climate using a coupled atmosphere-ocean general circulation model (solicited)

14:45–15:00; EGU2008-A-03891; CL37-1WE30-006

Brachert, T.C.; Mertz-Kraus, R.; Reuter, M.; Fassoulas, C.; Illiopoulos, G.

Coral Proxies in Miocene Palaeoclimatology (solicited)

15:00 END OF SESSION

CL37 The Miocene on land and in the oceans (co-listed in SSP) – Posters

Convener: Diester-Haass, L.

Co-Convener(s): Billups, K., Roth.Nebelsick, A.

Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: ROTH-NEBELSICK, A., DIESTER-HAASS, L.

XY0300; EGU2008-A-05226; CL37-1WE5P-0300

Bickert, T.; Butzin, M.; Lohmann, G.

Effect of ocean gateways on the evolution of Miocene ocean circulation and marine carbon cycle: data vs. modelling

XY0301; EGU2008-A-10190; CL37-1WE5P-0301

Butzin, M.; Lohmann, G.; Bickert, T.

Closure of the eastern Tethys: An ocean modeling perspective on the carbon isotopic sediment record during the middle Miocene

XY0302; EGU2008-A-04167; CL37-1WE5P-0302

Lunt, D.J.; Salzmann, U.; Flecker, R.; Valdes, P.J.; Haywood, A.

A fully coupled GCM simulation of the Late Miocene - comparison with paleodata.

XY0303; EGU2008-A-12242; CL37-1WE5P-0303

Favre, E.; **François, L.;** Utescher, T.; Suc, J.-P.; Henrot, A.; Micheels, A.; Mosbrugger, V.

Modelling Late Miocene vegetation in Europe: results of the CARAIB model and comparison with palaeovegetation data

XY0304; EGU2008-A-08574; CL37-1WE5P-0304

Boehme, M.; Winklhofer, M.

A Continental Miocene Thermal Maximum predates the Miocene Climate Optimum in Central Europe

XY0305; EGU2008-A-02524; CL37-1WE5P-0305

Héran, M.-A.; Legendre, S.; Lécuyer, C.

Continental climate reconstruction for the Miocene of Western Europe: mammal point of view

XY0306; EGU2008-A-12087; CL37-1WE5P-0306

Segalen, L.; Pickford, M.; Lee-Thorp, I.; Senut, B.; Renard, M. Neogene climate change in southwestern Africa recorded in continental biomineralisations

XY0307; EGU2008-A-07467; CL37-1WE5P-0307

Hoorn, M.C.; Wesselingh, F.P.; Vonhof, H.B.

The dynamic Neogene history of northern South America and its role in shaping the Present landscape and biodiversity of Amazonia

XY0308; EGU2008-A-03512; CL37-1WE5P-0308

Vautravers, M.J.; Peck, V.L.

Oceanic circulation and climate in the latest Messinian (5.7–5.3 Ma)

XY0309; EGU2008-A-10112; CL37-1WE5P-0309

Naafs, B.D.A.; Stap, H.L.; Thomas, E.; Lourens, L.; Reichert, G.J.; Hodell, D.A.

Integrated oxygen isotope and Mg/Ca analysis of benthic foraminiferal species: the last 30 Myr

XY0310; EGU2008-A-06571; CL37-1WE5P-0310

Mourik, A.A.; Sprong, J.; Kouwenhoven, T.J.; Abels, H.A.; Hilgen, F.J.; Van der Zwaan, G.J.

The Middle Miocene Climate Transition in the central Mediterranean: changing paleoenvironments as revealed by benthic foraminifera.

XY0311; EGU2008-A-06345; CL37-1WE5P-0311

Drinia, H.; Antonarakou, A.; Lirer, F.; Sprovieri, M.; Kontakiotis, G.; Tsaparas, N.; Goumas, G.; Galanakis, D.; Paschos, P.

Response of benthic foraminiferal assemblages to the Neogene tectono-sedimentary evolution of the Pre-Apulian zone (Levkas Island, western Greece).

XY0312; EGU2008-A-10607; CL37-1WE5P-0312

El-Shishtawy, A.

Carbonate Sedimentation and Stratigraphy of the Middle Miocene of Siwa Oasis, Egypt

XY0313; EGU2008-A-10257; CL37-1WE5P-0313

Abu Shama, A

Biostratigraphy and distribution of calcareous nannofossils of the Miocene rocks from the onshore Mallaha-1X and Abu Roda-1 wells, northwestern Sinai, Egypt

XY0314; EGU2008-A-03858; CL37-1WE5P-0314

Abels, H.A.; Abdul Aziz, H.; Ventra, D.; Hilgen, F.J.

Climatic precession control of Miocene metre-scale mudflat-lacustrine cycles in the Teruel Basin (NE Spain)

CL44 Climate Data Homogenization and Climate Trend/Variability Assessment

Convener: Wang, X.

Co-Convener(s): Aguilar, E.

Lecture Room 14

Chairperson: ENRIC AGUILAR

8:30–8:45; EGU2008-A-03100; CL44-1WE1O-001

Mestre, O.; Lebarbier, E.; Péter, D.; Picard, F.; Robin, S.

Comparison of change-point detection methods in the mean of Gaussian processes (solicited)

8:45–9:00; EGU2008-A-00005; CL44-1WE1O-002

Wang, X. L.

Accounting for autocorrelation in detecting mean-shifts in climate data series using the penalized maximal t or F test

9:00–9:15; EGU2008-A-01059; CL44-1WE1O-003

Wan, H.; **Wang, X. L.;** Swail, V. R.

Homogenization and trend analysis of Canadian surface wind speeds

9:15–9:30; EGU2008-A-05997; CL44-1WE1O-004

Haimberger, L.; Gruber, C.; Sperka, S

Homogenization of radiosonde temperature and wind data

9:30–9:45; EGU2008-A-04073; CL44-1WE1O-005

Titchner, H.; Thorne, P.; McCarthy, M

Assessing large scale trend recovery in radiosonde temperature homogenisation

9:45–10:00; EGU2008-A-02449; CL44-1WE1O-006

Gruber, C.; Auer, I.

Comparison of daily data homogenization methods

10:00 COFFEE BREAK

Chairperson: XIAOLAN L. WANG

10:30–10:45; EGU2008-A-03761; CL44-1WE2O-001

Della-Marta, P.M.; Begert, M.; Zenklusen, E.; Croci-Maspoli, M.

A comparison of methods to homogenise daily temperature data (solicited)

10:45–11:00; EGU2008-A-03505; CL44-1WE2O-002
Kuglitsch, F. G.; Xoplaki, E.; Luterbacher, J.; Della-Marta, P. M.
Homogenization of daily atmospheric data for detecting extreme events in the Mediterranean basin

11:00–11:15; EGU2008-A-07392; CL44-1WE2O-003
Prohom, M.J.; Esteban, P.; Herrero, M.; Mestre, O.; Aguilar, E.
Analysis of Catalan, Andorran and French temperature series from the early 20th century to the present using different homogenisation approaches

11:15–11:30; EGU2008-A-10984; CL44-1WE2O-004
Guijarro, J.A.
Application of an automatic homogenisation R function to temperature and precipitation series, and impact on their trend evaluations

11:30–11:45; EGU2008-A-04666; CL44-1WE2O-005
Toreti, A.; Desiato, F.; Fioravanti, G.; Perconti, W.
Homogenization and analysis of monthly precipitation over Italy from 1961 to 2006

11:45–12:00; EGU2008-A-02639; CL44-1WE2O-006
Groisman, P.; Bogdanova, E.; Knight, R.; Ilyin, B.; Akhmediyeva, Zh.
Handling instrumental homogeneity of precipitation measurements when climate change is a major objective of research

12:00 END OF SESSION

CL44 Climate Data Homogenization and Climate Trend/Variability Assessment – Posters

Convener: Wang, X.
Co-Convener(s): Aguilar, E.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: XIAOLAN L. WANG, ENRIC AGUILAR

XY0315; EGU2008-A-06796; CL44-1WE5P-0315
Jourdain, S.; Desmaizères, L.; Grimal, D.; Tamburini, A.; Wiczorek, A.-M.
Monthly Air Temperature Homogenization over France

XY0316; EGU2008-A-02434; CL44-1WE5P-0316
de Luis, M.; González-Hidalgo, J.C.; Stepanek, P.
A minimum distance optimization between neighbourhoods for reference series in Western Mediterranean.

XY0317; EGU2008-A-02429; CL44-1WE5P-0317
Aguilar, E.; Brunet, M.; Sigró, J.; Della-Marta, P.
Comparison of different approaches for the correction of inhomogeneous Spanish daily temperature series. The examples of La Coruña, Madrid and Murcia.

XY0318; EGU2008-A-06084; CL44-1WE5P-0318
Cheval, S.; Szentimrey, T.
Long-Term Temperature Variability in Romania (1901-2005) Based on Homogenized Data

XY0319; EGU2008-A-03204; CL44-1WE5P-0319
Mestre, O.; HOME CORE GROUP
COST Action ES0601 "HOME"

XY0320; EGU2008-A-05010; CL44-1WE5P-0320
Lizuma, L.; Briede, A.
Homogenisation of the longest meteorological data series in Latvia: temperature and precipitation records from Riga

XY0321; EGU2008-A-06098; CL44-1WE5P-0321
Rust, H. W.; Mestre, O.; Venema, V.
Inhomogeneities in temperature records deceive long-range dependence estimators

XY0322; EGU2008-A-11619; CL44-1WE5P-0322
Stepanek, P.; González-Hidalgo, J.C.; De Luis, M.
Software for data quality control and homogenization of time series

XY0323; EGU2008-A-12090; CL44-1WE5P-0323
Wan, H.; **Wang, X. L.;** Swail, V. R.
A Quality Assurance System for Canadian Hourly Pressure Data

XY0324; EGU2008-A-07869; CL44-1WE5P-0324
Manea, A.; Oprea, C.; Boroneant, C.
Comparison between classical and automatic measurements of solar radiation performed at the meteorological stations in Romania: preliminary results

XY0325; EGU2008-A-01553; CL44-1WE5P-0325
Domonkos, P.
Testing of homogenisation methods: reproduction of trend-slopes caused by climatic changes in linear regression (cancelled)

XY0326; EGU2008-A-03433; CL44-1WE5P-0326
Hernandez, M.; de Luis, J.
Seasonal and synoptical pattern investigation of intense widespread rains in the Canary islands

XY0327; EGU2008-A-00108; CL44-1WE5P-0327
Fratianni, S.; Acquaotta, F.
Thermometric and pluviometric trend on homogeneous series in Piedmont and definition of local climates

XY0328; EGU2008-A-00109; CL44-1WE5P-0328
Fratianni, S.; Acquaotta, F.
Thermometric and pluviometric trend on homogeneous series in Piedmont (NW, Italy)

XY0329; EGU2008-A-01884; CL44-1WE5P-0329
Chen, Y.; Heimann, M.; Churkina, G.
A comparison of regional climate variables between REMO, CRU, ECMWF, NCEP and ECHAM5 in European area

XY0330; EGU2008-A-05520; CL44-1WE5P-0330
Braconnot, P
Sahel precipitation in simulation of the Paleoclimate Modelling Intercomparison Project

XY0331; EGU2008-A-00429; CL44-1WE5P-0331
Zhao, X.L
The variation trend of soil dryness/wetness over North China in recent 20 years and its countermeasures of water management and regulation

XY0332; EGU2008-A-08167; CL44-1WE5P-0332
ZOU, LY
The climatology characteristic of rainstorm over Northeast China in recent 45 years

XY0333; EGU2008-A-08778; CL44-1WE5P-0333
Zou, L.Y
The climatology characteristic of rainstorm over Northeast China in recent 45 years

Thursday

CL15 Physical and biogeochemical feedbacks in the climate system

Convener: Jones, C.
Co-Convener(s): Alexeev, V.
Lecture Room 26
Chairperson: JONES, C.

8:30–8:45; EGU2008-A-08545; CL15-1TH10-001
Magnani, F.; Borghetti, M.; Mencuccini, M.; Raddi, S.; Grace, J.
Anthropogenic N emissions drive C sequestration by forest ecosystems

8:45–9:00; EGU2008-A-09674; CL15-1TH10-002
Thornton, P.; **Bonan, G.**; Doney, S.; Lindsay, K.; Moore, K.; Mahowald, N.; Randerson, J.; Fung, I.; Lamarque, J.-F.
Carbon-nitrogen coupling regulates climate-carbon feedback (solicited)

9:00–9:15; EGU2008-A-07636; CL15-1TH10-003
Kaduk, J.; Los, S
Future temperate and boreal terrestrial carbon sink reduced due to plant phenological responses to climate warming

9:15–9:30; EGU2008-A-03997; CL15-1TH10-004
Sitch, S.; Cox, P.M.; Collins, W.J.; Huntingford, C.
Indirect radiative forcing of climate change through ozone effects on the land-carbon sink

9:30–9:45; EGU2008-A-06738; CL15-1TH10-005
Le Quere, C.; Roedenbeck, C.; Buitenhuis, E. T.; Metzl, N.; Gillett, N.; Heimann, M.; Southern Ocean Atmospheric CO₂ TEAM
Saturation of the Southern Ocean CO₂ Sink due to Recent Climate Change (solicited)

9:45–10:00; EGU2008-A-09962; CL15-1TH10-006
Brovkin, V.; Archer, D.; Buffett, B.
Feedback between climate and ocean methane hydrates in greenhouse climate

10:00 COFFEE BREAK

Chairperson: ALEXEEV, V.

10:30–11:00; EGU2008-A-12079; CL15-1TH20-001
Soden, B. J.; Vecchi, G. A.; Held, I. M.
Robust and non-robust behavior of cloud feedback in coupled ocean-atmosphere models (solicited)

11:00–11:15; EGU2008-A-09885; CL15-1TH20-002
Ringer, M.; Senior, C.; Ingram, W.
Impact of changing convection scheme on cloud feedbacks in the tropics

11:15–11:30; EGU2008-A-04893; CL15-1TH20-003
Sokolov, A
Dependency of effective climate sensitivity on the parameterization of land evaporation.

11:30–11:45; EGU2008-A-01784; CL15-1TH20-004
Esau, I.
Planetary boundary layer feedback on the climate sensitivity: Estimations derived from large-eddy simulations

11:45–12:00; EGU2008-A-10618; CL15-1TH20-005
Polyakov, I.; Alexeev, V.; Bhatt, U.; Polyakova, E.
North Atlantic warming: Fingerprints of climate change and long-term variability

12:00 END OF SESSION

CL15 Physical and biogeochemical feedbacks in the climate system – Posters

Convener: Jones, C.
Co-Convener(s): Alexeev, V.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: JONES, C.

XY0150; EGU2008-A-02065; CL15-1TH5P-0150
Williams, P.; Guilyardi, E.; Sutton, R.; Gregory, J.; Madec, G.
A new feedback on climate change from the hydrological cycle

XY0151; EGU2008-A-03588; CL15-1TH5P-0151
Harrison, G.; **Ambaum, M.**
Solar Event reveals Charge-Enhanced Cloud Formation

XY0152; EGU2008-A-11171; CL15-1TH5P-0152
Bates, J.R.
The IRIS feedback over the tropical oceans: implications for global climate sensitivity in an extended model

XY0153; EGU2008-A-11057; CL15-1TH5P-0153
Tsukernik, M.; Cherry, J.E.; Byrkjedal, O.; Alexeev, V.
Cyclones of the Arctic: definitions, pattern and regional trends

XY0154; EGU2008-A-11124; CL15-1TH5P-0154
Repina, I.A.
Nonlinear processes of heat and momentum exchange between atmosphere and surface in the Arctic

XY0155; EGU2008-A-10721; CL15-1TH5P-0155
Ivanov, V.; Alexeev, V.; Repina, I.; Polyakov, I.
Transformation of Temperature Signal in Atlantic Water in the Arctic Ocean due to Joint Effect of Advection-Diffusion

XY0156; EGU2008-A-10967; CL15-1TH5P-0156
Alexeev, V.A.; Esau, I.N.; Polyakov, I.V.
Looking for remote air temperature signal in the Arctic

XY0157; EGU2008-A-11369; CL15-1TH5P-0157
Hibler, W. D.; Vavrus, S.
Has the Arctic ice-pack shifted to a high flow state

XY0158; EGU2008-A-09649; CL15-1TH5P-0158
Selten, F.; Siebesma, A.; Hazeleger, W.
Sensitivity of the global circulation to uncertain cloud parameters in EC-EARTH simulations

XY0159; EGU2008-A-05088; CL15-1TH5P-0159
Fatima, H.; Mittal, R.; Upadhyaya, H.; Sharma, O.
Study of monsoon with the impact of aerosols (cancelled)

XY0160; EGU2008-A-03450; CL15-1TH5P-0160
Venevsky, S.; Betts, R.; Jones, C.
Implementation of fire into a general circulation model

XY0161; EGU2008-A-06862; CL15-1TH5P-0161
Doutriaux-Boucher, M.; Webb, M.; Jones, C. D.; Booth, B.
Analysis of carbon climate feedback using the Unified Model HadCM3LC coupled carbon climate model.

XY0162; EGU2008-A-03485; CL15-1TH5P-0162
Jones, C.; Cox, P.; Huntingford, C.
The atmospheric CO₂ airborne fraction and carbon cycle feedbacks

XY0163; EGU2008-A-03493; CL15-1TH5P-0163
Jones, C.; Falloon, P.
Sources of uncertainty in future soil organic carbon storage.

XY0164; EGU2008-A-11672; CL15-1TH5P-0164
Booth, B.; Jones, C.; Collins, M.; Sitch, S.
Exploring the robustness of the carbon cycle response

XY0165; EGU2008-A-11268; CL15-1TH5P-0165
Atkinson, C
The effect of biochemical energy release on soil temperature

XY0166; EGU2008-A-06061; CL15-1TH5P-0166
Hughes, J.K.; Jones, C.D.; Pearson, D.
Impact of land use change on the European terrestrial carbon cycle.

XY0167; EGU2008-A-07706; CL15-1TH5P-0167
Zoran, M.
Forest vegetation-climate feedback regimes derived from satellite remote sensing data

XY0168; EGU2008-A-11446; CL15-1TH5P-0168
Nicolsky, D.J.; Alexeev, V.A.; Romanovsky, V.E.; Lawrence, D.M.
How deep should be the CLM3 soil layer for modeling of permafrost?

XY0169; EGU2008-A-10583; CL15-1TH5P-0169
Hoffmann, L. J.; Breitbarth, E.; Croot, P.; Bathmann, U.; von Harbou, L.; Jansen, S.; Peeken, I.
Effects of zooplankton grazing on iron speciation in the Southern Ocean

CL16 Biospheric feedbacks in the climate system in the past, present, and future

Convener: Claussen, M.
Co-Convener(s): Brovkin, V., Zeng, N.
Lecture Room 14
Chairperson: N.N.

13:30–13:45; EGU2008-A-09122; CL16-1TH3O-001
Kleidon, A
Maximum Entropy Production and biospheric feedbacks in the climate system (solicited)

13:45–14:00; EGU2008-A-02453; CL16-1TH3O-002
Köhler, P.; Timm, O.; Timmermann, A.
Climate-Vegetation-Feedbacks as a Mechanism for Accelerated Climate Change: The Greening Sahara Case

14:00–14:15; EGU2008-A-04146; CL16-1TH3O-003
Reick, C.H.; Raddatz, T.; Pongratz, J.; Claussen, M.
Reconstructed preindustrial landuse change emissions and atmospheric CO₂ from icecores are inconsistent

14:15–14:30; EGU2008-A-01813; CL16-1TH3O-004
Fischer, H.; Behrens, M.; Möller, L.; Bock, M.; Loulergue, L.; Chappellaz, J.; Spahni, R.; Blunier, T.; Leuenberger, M.; Stocker, T.
Constant biomass burning and switch on of boreal CH₄ emissions during rapid climate changes during the last glacial/interglacial transition

14:30–14:45; EGU2008-A-01746; CL16-1TH3O-005
Menviel, L.; **Timmermann, A.;** Mouchet, A.; Timm, O.
Climate and marine carbon cycle response to changes in the strength of the southern hemispheric westerlies

14:45–15:00; EGU2008-A-04441; CL16-1TH3O-006
Kicklighter, D.; Sokolov, A.; Melillo, J.; Felzer, B.; Schlosser, C.; Cronin, T.
Importance of carbon-nitrogen interactions on the feedbacks between climate and the terrestrial carbon cycle

15:00 END OF SESSION

CL16 Biospheric feedbacks in the climate system in the past, present, and future – Posters

Convener: Claussen, M.
Co-Convener(s): Brovkin, V., Zeng, N.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0170; EGU2008-A-02452; CL16-1TH5P-0170
Klein Goldewijk, K.
Human influence on the global environment throughout the Holocene: results from HYDE 3.0 (solicited)

XY0171; EGU2008-A-03996; CL16-1TH5P-0171
Pongratz, J.; Reick, C.H.; Raddatz, T.; Claussen, M.
Biogeophysical Effects of Anthropogenic Land Cover Change during the last Millennium

XY0172; EGU2008-A-03097; CL16-1TH5P-0172
Otto, J.; Raddatz, T.; Claussen, M.; Brovkin, V.; Gayler, V.; Reick, C.H.
Feedback analysis of mid-Holocene winter warming

XY0173; EGU2008-A-04322; CL16-1TH5P-0173
Wohlfahrt, J.; Claussen, M.
Validation of an atmosphere-ocean-vegetation model with mid-Holocene palaeobotanic data for the Northern extratropics

XY0174; EGU2008-A-04335; CL16-1TH5P-0174
Raddatz, T.; Brovkin, V.; Gayler, V.; Reick, C. H.; Claussen, M.
A Dynamic Land Cover Model for COSMOS

XY0175; EGU2008-A-09264; CL16-1TH5P-0175
Paul, A.; Dupont, L.
The role of tropical vegetation dynamics during Heinrich event 1

XY0176; EGU2008-A-03949; CL16-1TH5P-0176
Henrot, A.-J.; Munhoven, G.; François, L.
Impacts of land surface properties on Last Glacial Maximum climate

XY0177; EGU2008-A-05471; CL16-1TH5P-0177
Janssen, RHH; Meinders, M; van Nes, EH; Scheffer, M
Microscale vegetation-soil feedback boosts hysteresis in a regional vegetation-climate system

XY0178; EGU2008-A-04241; CL16-1TH5P-0178
Alkama, R.; Kageyama, M.; Ramstein, G.; Davin, E.
A sensitivity study to global desertification in cold and warm climates

XY0179; EGU2008-A-11964; CL16-1TH5P-0179
Kammann, C.; Lenhart, K.; Müller, C.; Grünhage, L.; Jäger, H.-J.
Positive feedback of future atmospheric CO₂ concentrations on N₂O emissions: Results from a 9-year FACE experiment

XY0180; EGU2008-A-06690; CL16-1TH5P-0180
Churkina, G. ; Brovkin, V.; von Bloh, W.; Trusilova, K.; Jung, M.; Dentener, F.
Synergy of rising nitrogen depositions and atmospheric CO₂ on land carbon uptake offsets global warming (solicited)

XY0181; EGU2008-A-03894; CL16-1TH5P-0181
Eliseev, A.V.; Mokhov, I.I.
The climate-carbon cycle feedback: An eventual saturation

XY0182; EGU2008-A-02801; CL16-1TH5P-0182
Bouttes, N.; Roche, D. M.; Paillard, D.
Implication of a strong deep ocean stratification on the carbon cycle

CL23 Surface Radiation Budget, Radiative Forcings and Climate Change

Convener: Wild, M.
Co-Convener(s): Philipona, R.
Lecture Room 26
Chairperson: N.N.

13:30–13:45; EGU2008-A-01479; CL23-1TH3O-001

Allan, R.P.

Observed and simulated changes in water vapour, precipitation and the clear-sky longwave radiation budget of the surface and atmosphere (solicited)

13:45–14:00; EGU2008-A-08143; CL23-1TH3O-002

Gupta, S.; Stackhouse, P.; Cox, S.; Mikovitz, C.; Zhang, T.
The NASA/GEWEX surface radiation budget dataset (solicited)

14:00–14:15; EGU2008-A-00277; CL23-1TH3O-003

Chung, C.; Ramanathan, V.

Relationship between trends in land precipitation and tropical SST gradient

14:15–14:30; EGU2008-A-07295; CL23-1TH3O-004

Mercado, L.; Bellouin, N.; Boucher, O.; Cox, P.M.; Huntingford, C.; Sitch, S.

Modelling the impact of radiation changes on the terrestrial carbon sink over the 1900–2000 period

14:30–14:45; EGU2008-A-00215; CL23-1TH3O-005

Kishcha, P.; Starobinets, B.; Alpert, P.; Levy, R.; Remer, L.
Hemispheric aerosol asymmetry and cloud symmetry based on MODIS data

14:45–15:00; EGU2008-A-06220; CL23-1TH3O-006

Yang, K.; Pinker, R.T.; Ma, Y.; Koike, T.; Wonsick, M.M.; Cox, S.J.; Zhang, Y.; Stackhouse, P.

Evaluation of satellite estimates of downward shortwave radiation over the Tibetan Plateau

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-02257; CL23-1TH4O-001

Wild, M.

Update on global dimming and brightening (solicited)

15:45–16:00; EGU2008-A-02997; CL23-1TH4O-002

Philipona, R.; Ruckstuhl, C.

Aerosol- cloud- and greenhouse- surface forcing and the rapid warming since the 1980s (solicited)

16:00–16:15; EGU2008-A-02397; CL23-1TH4O-003

Makowski, K.; Wild, M.; Ohmura, A.

Diurnal temperature range over Europe between 1950 and 2005

16:15–16:30; EGU2008-A-00959; CL23-1TH4O-004

König-Langlo, G.; Grobe, H.; Sieger, R.; Cohrs, W.

The World Radiation Monitoring Center at the Alfred Wegener Institute

16:30–16:45; EGU2008-A-06462; CL23-1TH4O-005

Raschke, E.; Kopp, G.; Kinne, S.; Tsushima, Y.

Measuring and modelling the incoming solar radiation at the top of the atmosphere

16:45–17:00; EGU2008-A-09055; CL23-1TH4O-006

Cahalan, R.; Wen, G.; Pilewski, P.; Shindell, D.

Modeling the Wavelength and Time Dependence of Solar Forcing of Earth Climate

17:00 END OF SESSION

CL23 Surface Radiation Budget, Radiative Forcings and Climate Change – Posters

Convener: Wild, M.
Co-Convener(s): Philipona, R.
Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 17:30–19:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0183; EGU2008-A-01169; CL23-1TH5P-0183

Traeger-Chatterjee, C.; Hollmann, R.; Mueller, R. W.

Investigation of surface solar radiation anomalies during recent years in Europe

XY0184; EGU2008-A-03023; CL23-1TH5P-0184

Philipona, R.; Ruckstuhl, C.; Nyeki, S.; Weller, M.; Mätzler, C.; Vuilleumier, L.; Behrens, K.

Aerosol and cloud effects on solar brightening and the recent rapid warming

XY0185; EGU2008-A-02168; CL23-1TH5P-0185

Wild, M.; Makowski, K.; Ohmura, A.

Fade of global dimming reveals full magnitude of greenhouse warming

XY0186; EGU2008-A-02212; CL23-1TH5P-0186

Wild, M.; Ohmura, A.; Müller, G.; Schär, C.

The Global Energy Balance Archive at ETH Zurich

XY0187; EGU2008-A-02217; CL23-1TH5P-0187

Wild, M.; Grieser, J.; Schär, C.

Combined surface solar brightening and increasing greenhouse effect favor recent intensification of the hydrological cycle

XY0188; EGU2008-A-02226; CL23-1TH5P-0188

Wild, M.

Earth radiation budgets in IPCC AR4 GCMs

XY0189; EGU2008-A-02436; CL23-1TH5P-0189

Chiacchio, M.

Detecting trends of global solar radiation in the Arctic

XY0190; EGU2008-A-02124; CL23-1TH5P-0190

Chiacchio, M.; Wild, M.

Long-term seasonal variations of surface solar radiation in Europe

XY0191; EGU2008-A-03196; CL23-1TH5P-0191

Makowski, K.; Wild, M.; Sanchez-Lorenzo, A.; Ohmura, A.
Evidence for increasing DTR during the early 20th century

XY0192; EGU2008-A-03316; CL23-1TH5P-0192

Kothe, S.; Ahrens, B.; Casanova, S.; Hollmann, R.; Müller, R.; Nitsche, H.

Determination of surface radiation anomalies

XY0193; EGU2008-A-03184; CL23-1TH5P-0193

Viúdez, A.; Calbó, J.; González, J-A

Clear sky downwelling longwave radiation at the surface. Simulations and measurements at Girona, Spain.

XY0194; EGU2008-A-08968; CL23-1TH5P-0194

Sanchez-Lorenzo, A.; Phillips, A.; Calbó, J.; Deser, C.; Brunetti, M.; Martin-Vide, J.; Hurrell, J.

Does observed and simulated cloudiness decadal variability in the Iberian Peninsula explain sunshine behavior?

XY0195; EGU2008-A-09693; CL23-1TH5P-0195

Wacker, S.; Viúdez, A.; Gröbner, J.; Rozanov, E.; Vuilleumier, L.

Comparison of measured and modelled downwelling Long-wave Infrared Radiation at Payerne, Switzerland

XY0196; EGU2008-A-09696; CL23-1TH5P-0196
Bodas-Salcedo, A.; Ringer, M. A.; Jones, A.
Evaluation of the Surface Radiation Budget in the atmospheric component of the Hadley Centre Global Environmental Model (HadGEM1)

XY0197; EGU2008-A-10214; CL23-1TH5P-0197
Papadimas, C. D.; Hatzianastassiou, N.; Mihalopoulos, N.; Kanakidou, M.; Katsoulis, V.; Vardavas, I.
Aerosol direct radiative effect on solar radiation over the Mediterranean Basin based on spectral aerosol optical properties from MODIS

XY0198; EGU2008-A-10864; CL23-1TH5P-0198
Rowe, P.; Walden, V.
Refined measurements of the foreign-broadened continuum of water vapor in the 6.3 μm band at -30 °C

XY0199; EGU2008-A-11502; CL23-1TH5P-0199
McDonald, A. B.
An error common to all models

XY0200; EGU2008-A-11809; CL23-1TH5P-0200
Will, A.; Woldt, M.; Schaller, E.
Surface radiation budget in regional climate simulations and the high quality Satellite Product of CM-SAF

XY0201; EGU2008-A-07689; CL23-1TH5P-0201
Stefan, S.; Nicolae, D.; Filip, L.; **Aldea, A.**
Radiative properties of clouds in atmospheric boundary layer

XY0202; EGU2008-A-06613; CL23-1TH5P-0202
Fomin, B.; **Ginzburg, A.**; Romanov, S
Line-by-line calculation of aerosol radiative forcing for radiative-convective climate model

XY0203; EGU2008-A-03107; CL23-1TH5P-0203
Medhaug, I.; Olseth, J.A.; Reuder, J.
Reconstruction of UV-radiation in Norway

XY0204; EGU2008-A-08617; CL23-1TH5P-0204
Roesch, A. ; Wild, M.; Dutton, E.; Long, C.
The quality of the BSRN measurements and its influence on the computation of monthly means

XY0205; EGU2008-A-11004; CL23-1TH5P-0205
Wonsick, M.; **Pinker, R. T.**
Investigation of the “Elevated Heat Pump” Effect on the Asian Summer Monsoon using Cloud Observations from METEOSAT-5 (cancelled)

CL28 Climate of the last millennium: reconstructions, analyses and explanation of regional and seasonal changes

Convener: Mann, M.
Co-Convener(s): Jones, P., Jouzel, J.
Lecture Room 13
Chairperson: JONES, P. D.

8:30–9:00; EGU2008-A-05364; CL28-1TH1O-001
Hughes, M.; Salzer, M.; Ammann, C; Franklin, R
A process-based modeling approach to the interpretation of high-elevation tree-ring records in the western US. (solicited)

9:00–9:15; EGU2008-A-01286; CL28-1TH1O-002
Emile-Geay, JEG; Cobb, KMC; Mann, MEM
Experimental reconstructions of tropical Pacific sea-surface temperature over the past millennium

9:15–9:30; EGU2008-A-08168; CL28-1TH1O-003
McCarroll, D
The ‘Millennium project’: reconstructing the climate of Europe over the last 1000 years

9:30–9:45; EGU2008-A-03940; CL28-1TH1O-004
Korhola, A.; Väliranta, M.; Holmström, L.; Seppä, H.; Tuittila, E.-S.; Laine, J.; Alm, J.
Last-millennium moisture and temperature variations in northern Europe based on proxy data

9:45–10:00; EGU2008-A-05734; CL28-1TH1O-005
Vinther, B.M.; Jones, P.D.; Briffa, K.R.; Clausen, H.B.; Andersen, K.K.; Dahl-Jensen, D.; Johnsen, S.J.
Greenland winter season stable isotope data – a proxy for annual average Greenland temperatures for the past 1400 years (solicited)

10:00 COFFEE BREAK

Chairperson: JOUZEL, J.

10:30–10:45; EGU2008-A-03970; CL28-1TH2O-001
Trouet, V.; Esper, J.; Graham, N.; Baker, A.; Frank, D.
A multiproxy reconstruction of decadal scale winter NAO variations over the past millennium

10:45–11:00; EGU2008-A-04754; CL28-1TH2O-002
Graham, N.; Esper, J.; Frank, D.; Hughes, M.; Thompson, L.; Trouet, V.
A strong winter NAO during Medieval time: European / North Atlantic climate during the past millennium as seen in proxy-guided coupled model-based reconstructions.

11:00–11:15; EGU2008-A-06702; CL28-1TH2O-003
Kleinen, T.; Osborn, T; Briffa, K
Testing hypotheses on Little Ice Age climate

11:15–11:30; EGU2008-A-05985; CL28-1TH2O-004
Ammann, C.M.; Graham, N.E.; D’Arrigo, R.; Kiefer, T.
The PAGES/CLIVAR PaleoClimate Reconstruction (PR) Challenge (solicited)

11:30–11:45; EGU2008-A-04273; CL28-1TH2O-005
Smerdon, J. E.; Chang, D.; Kaplan, A.; Evans, M. N.; Cook, E. R.
A comparison of climate field reconstruction methods using millennial pseudo-proxy experiments

11:45–12:00; EGU2008-A-09920; CL28-1TH2O-006
Riedwyl, N.; Luterbacher, J.; Raible, C.C.; Wanner, H.
Reconstruction of European summer and winter surface air temperature fields: Applications and constraints

12:00 END OF SESSION

CL28 Climate of the last millennium: reconstructions, analyses and explanation of regional and seasonal changes – Posters

Convener: Mann, M.
Co-Convener(s): Jones, P., Jouzel, J.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0206; EGU2008-A-05032; CL28-1TH5P-0206
Mortyn, P.G.; Martínez-Botí, M.A.; Herguera, J.C.
ENSO- and PDO-related SST reconstructions from the Anthropocene into the last millennium: planktonic foraminiferal Mg/Ca evidence at quasi-annual to multi-annual resolution from San Lázaro Basin (NE Pacific)

- XY0207**; EGU2008-A-05080; CL28-1TH5P-0207
Felis, T.; Suzuki, A.; Kuhnert, H.; Dima, M.; Lohmann, G.; Kawahata, H.
 Abrupt early 20th century freshening of the western subtropical North Pacific Ocean
- XY0208**; EGU2008-A-08479; CL28-1TH5P-0208
Johansen, I. V.; Kleiven, H. F.; Ninnemann, U. N.
 Atlantic Meridional Overturning Circulation since 800 AD and its link to surface climate variability
- XY0209**; EGU2008-A-10840; CL28-1TH5P-0209
Bohleber, P.; Jahn, F.; Pettinger, M.; Eisen, O.; Wagenbach, D.; Böhm, R.; Kaufmann, P.; Federer, U.; Hoelzle, M.
 The Variability of Stable Water Isotopes in an Alpine Ice-core over the last 1000 Years
- XY0210**; EGU2008-A-10125; CL28-1TH5P-0210
Rueda, G.; Escala, M.; Rosell-Melé, A.; Gyllencreutz, R.; Backman, J.
 Multi-decadal air and sea surface temperature records for the last 2000 years from a marine core in the Skagerrak, offshore southern Norway.
- XY0211**; EGU2008-A-11279; CL28-1TH5P-0211
Kirchhefer, A.; Young, G.; Gunnarson, B.; Loader, N.; McCarroll, D.
 Climate from a millennial pine chronology in coastal North-Norway
- XY0212**; EGU2008-A-02659; CL28-1TH5P-0212
Dobrovolny, P.; Brazdil, R.; Halickova, M.; Mackova, J.; Kotyza, O.; Valasek, H.
 Temperature reconstruction based on documentary evidence for the Czech Republic, AD 1501-2006
- XY0213**; EGU2008-A-09562; CL28-1TH5P-0213
Bullón, T
 Reconstruction of winter temperatures based on documentary sources in the central area of the Iberian peninsula during the second half of the XVI century
- XY0214**; EGU2008-A-02396; CL28-1TH5P-0214
 Crespin, E.; Goosse, H.; **Fichefet, T.**; Mann, M.E.
 Simulating the climate of the Arctic during the last millennium in a coupled climate model including data assimilation
- XY0215**; EGU2008-A-08528; CL28-1TH5P-0215
Küttel, M.; Xoplaki, E.; Gallego, D.; García-Herrera, R.; Luterbacher, J.; Wanner, H.
 The importance of ship log data: reconstructing North Atlantic, European and Mediterranean Sea Level Pressure back to 1750
- XY0216**; EGU2008-A-02494; CL28-1TH5P-0216
Gallego, D.; Peña, C.; García-Herrera, R.; Prieto, M.R.
 Assessing a snow frequency reconstruction in the central Argentinean Andes without using instrumental precipitation records
- XY0217**; EGU2008-A-03185; CL28-1TH5P-0217
Sirocko, F.; Dietrich, S.; Pfahl, S.; Herbig, C.
 Flash floods of the last 1000 years in central Europe documented by laminated freeze cores from Eifel maar lakes
- XY0218**; EGU2008-A-08212; CL28-1TH5P-0218
Hansson, D.; Söderberg, J.
 Is there a warm bias in the late winter and early spring Uppsala air temperature 1722-1750?
- XY0219**; EGU2008-A-03763; CL28-1TH5P-0219
Griesser, T.; Brönnimann, S.
 Reconstruction of global monthly upper-level temperature and GPH back to 1880
- XY0220**; EGU2008-A-07039; CL28-1TH5P-0220
Christiansen, B.; Schmith, T.; Thejll, P.
 A surrogate ensemble study of climate reconstruction methods: Stochasticity and robustness.
- XY0221**; EGU2008-A-04263; CL28-1TH5P-0221
Chang, D.; Smerdon, J.; Kaplan, A.; Evans, M.; Cook, E.
 Testing canonical correlation analysis as a climate field reconstruction method using pseudo-proxy experiments
- XY0222**; EGU2008-A-07952; CL28-1TH5P-0222
Stössel, M.; Küttel, M.; Luterbacher, J.; Wanner, H.
 Reconstruction of precipitation in Europe: in search of an optimised proxy network
- XY0223**; EGU2008-A-06256; CL28-1TH5P-0223
 Palastanga, V.; van der Schrier, G.; Kleinen, T.; **Weber, S.L.**; Osborn, T.; Briffa, K.R.
 Atmosphere and ocean dynamics; contributions to the European "Little Ice Age"?
- XY0224**; EGU2008-A-00749; CL28-1TH5P-0224
Servonnat, J.; Yiou, P.; Khodri, M.; Li, L.; Fluteau, F.; Marchand, M.; Jegou, P.; Bekki, S.
 Role of volcanic forcing on North Atlantic climate during the last millennium: results from the IPSL coupled model.
- XY0225**; EGU2008-A-07368; CL28-1TH5P-0225
Jungclauss, J.H.; THE COMSimm TEAM, and; THE COMSimm TEAM
 Community Simulations of the last Millennium (COMSimm)
- XY0226**; EGU2008-A-08240; CL28-1TH5P-0226
Lorenz, S. J.; Timmreck, C.; Crowley, T. J.; Jungclauss, J.; Kinne, S.; Schlese, U.; Thomas, M.
 Understanding the Climate Signal of the 1258 Eruption
- XY0227**; EGU2008-A-09158; CL28-1TH5P-0227
Yamazaki, Y.H.; Huntingford, C.; Allen, M.R.; Frame, D.J.
 Maximum likelihood approach for model-data comparison and unbiased estimate of climate sensitivity over the last millennium
- XY0228**; EGU2008-A-02958; CL28-1TH5P-0228
Liu, X
 Pedogenic modification of magnetic susceptibility recording paleoclimatic signals °C an explanation of regional changes to Alaskan, Chinese and Siberian loess
- XY0229**; EGU2008-A-10863; CL28-1TH5P-0229
Dirksen, V.
 Last millennium coniferous expansion on Kamchatka: is it result of vegetation succession or climate-forced phenomenon?
- XY0230**; EGU2008-A-00412; CL28-1TH5P-0230
Pugacheva, E.; Solomina, O.; Mikhalevko, V.
 The first attempt of spring precipitation reconstruction in South Kamchatka, using ring width of Stone Birch (*Betula Ermanii* Cham.)
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- CL35 Subsurface temperature signals of climate change, processes involved, and importance to climate modeling (co-listed in CR, GI, HS, & SSS)**
- Convener: Rath, V.
 Co-Convener(s): Gonzalez-Rouco, J., Safanda, J.
 Lecture Room 13
 Chairperson: N.N.
- 13:30–14:00**; EGU2008-A-03429; CL35-1TH30-001
Cermak, V.; Safanda, J.; Dedecek, P.
 Borehole climatology: principles, achievements and prospects (solicited)

14:00–14:15; EGU2008-A-10017; CL35-1TH3O-002
Hopcroft, P.O.; Gallagher, K.; Pain, C.C.
Inferring spatial climatic trends from borehole data using a Bayesian partition model

14:15–14:30; EGU2008-A-03818; CL35-1TH3O-003
Dedecek, P; Safanda, J; Heidinger, P; Kukkonen, I; Råjver, D
Anthropogenic component of the subsurface temperature field: observed and synthetic examples

14:30–14:45; EGU2008-A-02314; CL35-1TH3O-004
Mote, P; Brown, R
Response of Northern Hemisphere snow cover to a changing climate (solicited)

14:45–15:00; EGU2008-A-10558; CL35-1TH3O-005
Farbrot, H.; Etzelmüller, B.; Isaksen, K.; Schuler, T.V.; Christiansen, H.H.
Towards a TTOP-model for Northern Norway

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-01417; CL35-1TH4O-001
Woodbury, A.; Bhuiyan, H.; Hanesiak, J.; Ferguson, G.
Observations of northern latitude ground-surface and surface-air temperatures

15:45–16:00; EGU2008-A-12033; CL35-1TH4O-002
Sushama, L.
Modelling current and future soil thermal and moisture regimes for North American permafrost zones (solicited)

16:00–16:15; EGU2008-A-10380; CL35-1TH4O-003
Jerez, S.; **Montávez, J. P.;** Gómez-Navarro, J. J.; Navarro, S. B.; García-Valero, J. A.; González-Rouco, F.; Valero, F.
The role of land-atmosphere interactions in simulating the climate of the Iberian Peninsula.

16:15–16:30; EGU2008-A-05274; CL35-1TH4O-004
Stevens, M.B.; González-Rouco, J.F.; Beltrami, H.
Borehole temperatures and ECHO-g paleoclimatic simulations: Developing comparison strategies

16:30–16:45; EGU2008-A-10766; CL35-1TH4O-005
Tarasov, L.
The co-evolution of continental ice cover and 3D ground temperature over the last glacial cycle (solicited)

16:45–17:00; EGU2008-A-12113; CL35-1TH4O-006
Rath, V.; Safanda, J.; González Rouco, J. F.
Open questions in borehole temperature research

17:00 END OF SESSION

CL35 Subsurface temperature signals of climate change, processes involved, and importance to climate modeling (co-listed in CR, GI, HS, & SSS) – Posters

Convener: Rath, V.
Co-Convener(s): González-Rouco, J., Safanda, J.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0231; EGU2008-A-09753; CL35-1TH5P-0231
González-Rouco, J. F.; Beltrami, H.; Goosse, H.; Rath, V.; Stevens, M. B.
Uncertainty in simulated borehole temperature profiles: relevance for comparison with observational evidence.

XY0232; EGU2008-A-01316; CL35-1TH5P-0232
Rath, V.

On the role of the Holocene warming for the interpretation of borehole temperatures

XY0233; EGU2008-A-05264; CL35-1TH5P-0233
MacDougall, A.; González-Rouco, J.F.; Stevens, M.B.; Beltrami, H.
Quantification of subsurface heat storage in GCM simulations: the case of ECHO-g

XY0234; EGU2008-A-05267; CL35-1TH5P-0234
Stevens, M.B.; González-Rouco, J.F.; Beltrami, H.
Global variability of heat storage sensitivity to bottom boundary placement in climate models

XY0235; EGU2008-A-04428; CL35-1TH5P-0235
Majorowicz, J.; Skinner, W.; Gosnold, W.; Safanda, J.
Heat energy gain for the last two decades from Canadian Prairies from repeated borehole temperature logs

XY0236; EGU2008-A-08964; CL35-1TH5P-0236
Beltrami, H.; Nitoiu, D.; Bense, V.; Kellman, L.; González-Rouco, J.F.; Kooi, H.; Montoya, M.; Dionchon, A.; Ferguson, G.; Stevens, M.B.
Borehole climatology: In search of the long-term subsurface thermal signature of deforestation events

XY0237; EGU2008-A-09976; CL35-1TH5P-0237
González-Rouco, J. F.; Beltrami, H.; Stevens, M. B.; Zorita, E.
Borehole temperatures and ECHO-g paleoclimatic simulations: steps towards comparison over Europe.

XY0238; EGU2008-A-09478; CL35-1TH5P-0238
Smerdon, J.E.; González-Rouco, J.F.; Stieglitz, M.; Stevens, M. B.; Beltrami, H.; Zorita, E.
The lower-boundary effect on simulated temperature signals in the terrestrial subsurface: An example from the ECHO-g GCM

XY0239; EGU2008-A-02137; CL35-1TH5P-0239
Safanda, J.; Wilhelm, H.; Heidinger, P.; Cermak, V
Numerical simulation of transient temperature logs of borehole Yaxcopoil-1, Chicxulub impact structure, Mexico

XY0240; EGU2008-A-07718; CL35-1TH5P-0240
Ferguson, G.; Woodbury, A.D.
The Subsurface Urban Heat Island Effect

XY0241; EGU2008-A-03371; CL35-1TH5P-0241
Bodri, L.; Cermak, V.; Safanda, J.
Thermal instability of the fluid column in a borehole, application to the Yaxcopoil hole

XY0242; EGU2008-A-03287; CL35-1TH5P-0242
Rath, V.; Henningses, J.
Paleoclimate inversions at the Mallik 3L-38 borehole, including latent heat effects

XY0243; EGU2008-A-05427; CL35-1TH5P-0243
Mottaghy, D.; Majorowicz, J.; Rath, V.
Ground surface temperature histories reconstructed from boreholes in Poland: implications for spatial variability?

XY0244; EGU2008-A-10713; CL35-1TH5P-0244
Dijkshoorn, L.; **Mottaghy, D.;** Rath, V.
Paleoclimate near the Kola deep drilling site: a detailed 3-D inverse modeling study

XY0245; EGU2008-A-07127; CL35-1TH5P-0245
Buecker, M.; **Rath, V.;** Vehreschild, A.
Automatic differentiation - can it help with GSTH inversions?

XY0246; EGU2008-A-07663; CL35-1TH5P-0246
Correia, A; Safanda, J; Dedeczek, P
Results from repeated temperature measurements and from long-term temperature monitoring in borehole TGQC-1, south-central Portugal

XY0247; EGU2008-A-01218; CL35-1TH5P-0247
Demezhko, D.; Yurkov, A.; Ryvkin, D.; Zharkov, R.
Geothermal investigations in Kun-1 borehole (Kunashir island)

XY0248; EGU2008-A-09987; CL35-1TH5P-0248
Noetzli, J.; Hilbich, C.; Hauck, C.; Hoelzle, M.; Gruber, S.
Validation of a modeled 3D temperature field below the Schilthorn Crest, Switzerland, using borehole measurements and time-lapse electrical resistivity data

XY0249; EGU2008-A-10431; CL35-1TH5P-0249
Isaksen, K.; **Farbrot, H.;** Etzelmüller, B.; Christiansen, H.H.; Blikra, L.H.; Elvebakk, H.; Midttømme, K.; Rønning, J.S.
Permafrost Monitoring in northern Norway: Initial Results from the IPY-project TSP NORWAY

CL57 Climate variability and change in a tourism context

Convener: Amelung, B.
Co-Convener(s): Perch-Nielsen, S., Gómez Martín, B.
Lecture Room 14
Chairperson: N.N.

15:30–15:45; EGU2008-A-12275; CL57-1TH4O-001
Perch-Nielsen, S.
A Comparison of Climatic Indices for Tourism

15:45–16:00; EGU2008-A-11544; CL57-1TH4O-002
Vrtačnik Garbas, K.
Strategies of Adapting Winter-Sport Tourism and Recreation to Climate Changes - the Case of Slovenia

16:00–16:15; EGU2008-A-08476; CL57-1TH4O-003
Proebstl, U; Prutsch, A
Tourism and climate change: requirements for adapted regional management

16:15 END OF SESSION

CL57 Climate variability and change in a tourism context – Posters

Convener: Amelung, B.
Co-Convener(s): Perch-Nielsen, S., Gómez Martín, B.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0250; EGU2008-A-05103; CL57-1TH5P-0250
Saladié, O.; Aguilar, E.; Sigró, J.; Brunet, M.
Changes in extreme temperatures during spring and summer over Mediterranean Spain since the second half of 20th century and their impacts on coastal tourism

XY0251; EGU2008-A-06206; CL57-1TH5P-0251
Weitzenkamp, B.; Sauter, T.; Kraemer, A.; Roth, R.; Schneider, C.
Spatial downscaling of snow cover as a tool for projections of snow availability for winter sports in 2030 in the Black Forest using Remote Sensing and GIS methods

XY0252; EGU2008-A-04069; CL57-1TH5P-0252
Casimiro, E; Capela Lourenço, T; Aguiar, R; Duarte Santos, F
Tourism Sector Resilience to Climate Change in Portugal: Adaptation to Heatwaves and Thermal Comfort Changes

XY0253; EGU2008-A-05652; CL57-1TH5P-0253
Cegnar, T.
Climate change impacts on tourism in Slovenia and corresponding adaptation strategies

XY0254; EGU2008-A-10781; CL57-1TH5P-0254
Luthe, T.; Roth, R.
Climate change impacts on tourism demand in ski destinations

Friday

CL5 Climate of the Polar Regions

Convener: Wadhams, P.
Co-Convener(s): Piacsek, S.
Lecture Room 14
Chairperson: N.N.

13:30–13:45; EGU2008-A-09062; CL5-1FR3O-001
Gascard, J-C; Maksimovich, E
Were recent climate changes occurring in the Arctic predictable?

13:45–14:00; EGU2008-A-05084; CL5-1FR3O-002
Semenov, V.A.; Dommenget, D.; Stroeh, A.
Can Arctic warm the Earth?

14:00–14:15; EGU2008-A-07683; CL5-1FR3O-003
Grant, A.; **Brönnimann, S.;** Griesser, T.
Early 20th century and recent Arctic warming: A three-dimensional view

14:15–14:30; EGU2008-A-08442; CL5-1FR3O-004
Wadhams, P; Rodrigues, J
Arctic sea ice thickness and topography in winter 2007 mapped from a submarine

14:30–14:45; EGU2008-A-05044; CL5-1FR3O-005
Popov, A.
Influence of Flaw Polynyas on Formation of Ice Cover Anomalies of the Arctic Seas

14:45–15:00; EGU2008-A-11258; CL5-1FR3O-006
Cox, J; Gyakum, J
Intense regional climate change in northwestern Canada

15:00 END OF SESSION

CL5 Climate of the Polar Regions – Posters

Convener: Wadhams, P.
Co-Convener(s): Piacsek, S.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0138; EGU2008-A-02903; CL5-1FR4P-0138
Posey, P.; Preller, R.; Smedstad, L.; Barron, C.
The thinning Arctic ice cover shown by the Polar Ice Prediction System (PIPS): 2000 - 2007 (solicited)

XY0139; EGU2008-A-11436; CL5-1FR4P-0139
Roberts, A.; Hibler, W. D.
The effect of tidal and inertial variability on Arctic sea-ice thickness

XY0140; EGU2008-A-07694; CL5-1FR4P-0140
Oikkonen, A.; Haapala, J.
Variability and Changes of Arctic Sea Ice Cover from Submarine Sonar Measurements, 1975-2000

XY0141; EGU2008-A-04395; CL5-1FR4P-0141
Cassano, J.; Cassano, E.
The atmospheric state during the summer of 2007 (cancelled)

XY0142; EGU2008-A-04650; CL5-1FR4P-0142
Wagner, A.; Lohmann, G.; Prange, M.
Variability of Eurasian river discharges during Holocene time slices: potential influence on Arctic climate

XY0143; EGU2008-A-02789; CL5-1FR4P-0143
Kasatkina, E.A.; Shumilov, O.I.; Lukina, N.V.; Kanatjev, A.G.; Kirtsideli, I.Yu.
Climate of the European Polar Region on the longest pine tree-ring chronology from Kola Peninsula

XY0144; EGU2008-A-11117; CL5-1FR4P-0144
Láska, K.; Prošek, P.; Barták, M.; Elster, J.; Mixa, P.
Climate measurements as a part of multidisciplinary project at the James Ross Island, Antarctica

XY0145; EGU2008-A-00387; CL5-1FR4P-0145
Kovalenok, S.; Evtushevsky, O.; Grytsai, A.; Milinevsky, G.
Antarctic total ozone distribution climatology in connection with possible impact to ecosystem

XY0146; EGU2008-A-05233; CL5-1FR4P-0146
Láska, K.; Prošek, P.; Budík, L.; Budíková, M.; Milinevsky, G.
Modelling of erythemally effective UVB radiation in dependence on the atmospheric factors

CL7 Land-Atmosphere-Ocean linkages throughout the Quaternary

Convener: Stuut, J.
Co-Convener(s): Kershaw, P., Cacho, I., Kiefer, T.
Lecture Room 26
Chairperson: KIEFER AND STUUT

8:30–8:45; EGU2008-A-00339; CL7-1FR1O-001
Bouimetarhan, I.; Dupont, L.; Schefuss, E.; Mollenhauer, G.; Stuut, J.-B.; Mulitza, S.; Zonneveld, K.
Palynological evidence for climatic and oceanic variability off NW Africa during the late Holocene

8:45–9:00; EGU2008-A-03263; CL7-1FR1O-002
Veres, D.; Marciano, R.; Lenaz, D.; Schaber, K.; Dietrich, S.; Seelos, K.; Sirocko, F.
Exploring the Tephrochronological Potential of several long Lacustrine Records from West Eifel covering the Last Glacial Cycle

9:00–9:15; EGU2008-A-05484; CL7-1FR1O-003
Moreno, A.; Stoll, H.; Cacho, I.; Vadillo, I.; Edwards, R. L.; Ito, E.; Jiménez-Sánchez, M.; Valero-Garcés, B. L.; Trigo, R.
Paleoclimate variability since last deglaciation reconstructed for the North Iberian Peninsula: the El Pindal Cave speleothem record (Asturias, Spain)

9:15–9:30; EGU2008-A-01815; CL7-1FR1O-004
Sanchez Goñi, M. F.; Landais, A.; Fletcher, W. J.; Naughton, F.; Desprat, S.; Duprat, J.
Contrasting impacts of Dansgaard-Oeschger events over a western European latitudinal transect: Implications for the location of main sources of glacial CH₄

9:30–9:45; EGU2008-A-10570; CL7-1FR1O-005
Tzedakis, P.C.; Roucoux, K.H.; Pälike, H.; de Abreu, L.
Linking marine and terrestrial records in the Portuguese margin and comparisons with Antarctic records 170-420 ka

9:45–10:00; EGU2008-A-06951; CL7-1FR1O-006
Kershaw, P.; Sniderman, K.; van der Kaars, S.; Wagstaff, B.
Comparison of orbital-scale land and ocean records from the Australian region: value for climate reconstruction

10:00 END OF SESSION

CL7 Land-Atmosphere-Ocean linkages throughout the Quaternary – Posters

Convener: Stuut, J.
Co-Convener(s): Kershaw, P., Cacho, I., Kiefer, T.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: KERSHAW-KIEFER-STUUT

XY0147; EGU2008-A-05216; CL7-1FR4P-0147
Kázmér, M.; Sho, K.; Sugimoto, O.; Oka, S.; Asami, R.; Yamada, T.; Iryu, Y.; Székely, B.
Annual record of environmental history in corals and tree-rings – a land-sea correlation at Ogasawara Islands, Japan

XY0148; EGU2008-A-04305; CL7-1FR4P-0148
Abrantes, F.; Montanari, B.; Rodrigues, T.; Santos, C.; Voelker, A.
Primary Productivity evolution during the Latest Holocene (2,000 yr) off Oporto (Portuguese Margin)

XY0149; EGU2008-A-08473; CL7-1FR4P-0149
Muellegger, S.; Piller, W.E.
The Holocene Southeast Atlantic: Paleoceanographic interpretations based on sedimentological and geochemical proxy-data

XY0150; EGU2008-A-06374; CL7-1FR4P-0150
Kuhlmann, H.; Pätzold, J.; Weldeab, S.; Schneider, R.
Hydrological changes in the southeastern African tropics during the deglaciation and Holocene

XY0151; EGU2008-A-10345; CL7-1FR4P-0151
McClymont, E.L.; Ganeshram, R.
Millennial-scale response and impact of climate variability in the Gulf of California across the LGM/Holocene transition

XY0152; EGU2008-A-00813; CL7-1FR4P-0152
Mena, A.; Francés, G.; González-Álvarez, R.; Hanebuth, T.
Preliminary data about planktonic foraminifera assemblages: Paleotemperature record and Heinrich events from Galicia continental slope

XY0153; EGU2008-A-08147; CL7-1FR4P-0153
Stuut, J.B.W.; Mulitza, S.; Zabel, M.
Aridity changes in the Sahel and their relation to Atlantic-Ocean circulation during the last 57 kyr: inferences from marine sediments off Senegal

XY0154; EGU2008-A-09844; CL7-1FR4P-0154
Brendryen, J.; Grasmø, K.; Hafliðason, H.; Zuhlsdorff, C.; Sejrup, H.P.
Ocean – ice-sheet interaction and tephrastatigraphy from the SE Nordic Seas region between 50-150 ka.

XY0155; EGU2008-A-03985; CL7-1FR4P-0155
Husson, D.; Stuut, J.-B.; Pätzold, J.
High-resolution reconstruction of abrupt climate change during DO8 and H4 in the Arabian Sea: grain-size analysis and end-member modelling as a tool to distinguish wind-blown dust and Indus River sediments

XY0156; EGU2008-A-03013; CL7-1FR4P-0156
Landais, A.; Sanchez-Goni, M.F.; Masson-Delmotte, V.; Jouzel, J.; Barnola, J.-M.; Chappellaz, J.; Leuenberger, M.; Blunier, T.; Dahl-Jensen, D.; Johnsen, S.
Continuous air isotopic measurements over MIS 4 and 5 in the NorthGRIP ice core (Greenland): new constraints on the sequences of Dansgaard-Oeschger (DO) events and links with environmental changes.

XY0157; EGU2008-A-05931; CL7-1FR4P-0157
Drysdale, R.; Hellstrom, J.; Zanchetta, G.; Fallick, A.; Couchoud, I.; Sanchez Goni, M-F.; McDonald, J.; Lohmann, G.; Isola, I.
A radiometric chronology for the Iberian margin marine sequence through Termination II: implications for inter-hemispheric phasing of deglaciation

XY0158; EGU2008-A-06983; CL7-1FR4P-0158
Hibbert, F. D.; Austin, W.E.N.; Peters, C.; Leng, M. J.; Gatliff, R.
Response of the British Ice Sheets to climate forcing over the last 250,000 years

XY0159; EGU2008-A-09428; CL7-1FR4P-0159
Toucanne, S.; Zaragosi, S.; Eynaud, F.; Bourillet, J.F.; Turon, J.L.; Cremer, M.; Cortijo, E.
Timing of massive 'Fleuve Manche' palaeoriver discharges over the last 400 kyr: Deglaciation patterns of the European ice sheet between MIS 10 to MIS 2

CL26 Past, Present and Future Changes in Ocean Circulation: Data and Models

Convener: Rahmstorf, S.
Co-Convener(s): Marchal, O., Waelbroeck, C.
Lecture Room 26
Chairperson: N.N.

13:30–13:45; EGU2008-A-02648; CL26-1FR3O-001
Oliver, K.; Edwards, N.
What causes ocean heat transport into the modern Atlantic Ocean?

13:45–14:00; EGU2008-A-06515; CL26-1FR3O-002
Boening, P.; Bard, E.
Millennial scale thermocline ventilation changes in the Indian Ocean as implied from aragonite preservation in the Arabian Sea

14:00–14:15; EGU2008-A-10890; CL26-1FR3O-003
Nilsson, J.; Körnich, H.
Climate change and the surface salinity distribution in the ocean Hadley cell

14:15–14:30; EGU2008-A-00457; CL26-1FR3O-004
Rella, S.; Tada, R.; Nagashima, K.; Uchida, M.; Itaki, T.; Ohkushi, K.
Millennial-scale variation of intermediate water intensity in the Bering Sea during the last glacial-interglacial cycle

14:30–14:45; EGU2008-A-01390; CL26-1FR3O-005
Sijp, W.; England, M.
Isopycnal mixing controls NADW stability in ocean models

14:45–15:00; EGU2008-A-02744; CL26-1FR3O-006
McCave, I.N.; Carter, L.; Hall, I.R.
Glacial-interglacial changes in water mass structure and flow in the

15:00 END OF SESSION

CL26 Past, Present and Future Changes in Ocean Circulation: Data and Models – Posters

Convener: Rahmstorf, S.
Co-Convener(s): Marchal, O., Waelbroeck, C.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0160; EGU2008-A-10527; CL26-1FR4P-0160
Maher, B.A.; Watkins, S.J.; Bigg, G.R.
North Atlantic circulation at the last glacial maximum from magnetic and modelling approaches

XY0161; EGU2008-A-00829; CL26-1FR4P-0161
Neitzke, L.; Wright, J.; Henderson, S.
Tracking variations in North Atlantic Deep Water Flow on Eirik Drift

XY0162; EGU2008-A-01228; CL26-1FR4P-0162
Swingedouw, D.; Fichefet, T.; Goosse, H.; Loutre, M.F.
Impact of transient freshwater release in the Southern Ocean on the AMOC and climate

XY0163; EGU2008-A-05519; CL26-1FR4P-0163
Alvarez-Solas, J.; Charbit, S.; Paillard, D.; Ramstein, G.; Dumas, C.
Investigating the response of the climate-ice sheet system at millennial time-scale for different global warming scenarios

XY0164; EGU2008-A-08973; CL26-1FR4P-0164
Govin, A.; Michel, E.; Labeyrie, L.; Landais, A.; Dewilde, F.; Jansen, E.
Oceanic circulation changes over the last glacial inception: timing and links between polar latitudes of both hemispheres

XY0165; EGU2008-A-00251; CL26-1FR4P-0165
Trevena, J.; Sijp, W. P.; England, M. H.
Stability of Antarctic Bottom Water formation to freshwater fluxes and implications for global climate

XY0166; EGU2008-A-00914; CL26-1FR4P-0166
Jones, C L.; Bigg, G R.
Modelling the climatic impact of the glacial Barents Ice Sheet collapse

XY0167; EGU2008-A-01356; CL26-1FR4P-0167
Kim, S.-J.; Park, Y.-G.
Glacial Ocean Circulation and Property Changes in the North Pacific

XY0168; EGU2008-A-01605; CL26-1FR4P-0168
Kim, B.-M.; An, S.-I.; Timmermann, A.
Influence of pan-oceanic connections on tropical climate during Eocene-Paleocene

XY0169; EGU2008-A-01740; CL26-1FR4P-0169
Saenko, O.
Warm climate episodes in the subpolar Atlantic caused by large freshwater fluxes at the ocean boundaries (cancelled)

XY0170; EGU2008-A-05283; CL26-1FR4P-0170
Uchida, M.; Ohkushi, K.; Kennett, J.P.; Kimoto, K.; Eglinton, T.I.
Deglacial Ventilation History in North Pacific Intermediate Water: Anti-phased with Atlantic Overturning Circulation

XY0171; EGU2008-A-06893; CL26-1FR4P-0171
Smith, R.S.; Gregory, J.M.; Thorpe, R.; Rodriguez, J.
Response of the meridional overturning circulation in an idealised reverse world experiment

XY0172; EGU2008-A-09086; CL26-1FR4P-0172
Carriquiry, J.D.; Rosell-Melé, A..
Denitrification intensification during the last deglaciation in the eastern tropical north pacific off Mexico

XY0173; EGU2008-A-10053; CL26-1FR4P-0173
Ortega, P.; Montoya, M.; González-Rouco, J. F.
The AMOC variability in millennial simulations with the ECHO-g atmosphere-ocean general circulation model

CL27 Regional Climate Modeling and impacts

Convener: Zakey, A.
Lecture Room 13
Chairperson: N.N.

8:30–8:45; EGU2008-A-02262; CL27-1FR1O-001
Kjellström, E.
Evaluating regional climate model simulations of daily maximum and minimum temperatures in the ENSEMBLES project

8:45–9:00; EGU2008-A-02585; CL27-1FR1O-002
Rauscher, S. A.; Giorgi, F.; Diffenbaugh, N. S.
Regional-scale processes associated with future summer drying over Central America

9:00–9:15; EGU2008-A-02748; CL27-1FR1O-003
Zakey, A.S.; Giorgi, F.; BI, X.
Study of DMS Cycle in Regional Climate Model: Emission Fluxes and Oxidations

9:15–9:30; EGU2008-A-02954; CL27-1FR1O-004
Arritt, R.; THE NARCCAP TEAM
Inter-model variability of precipitation in results from the North American Regional Climate Change Assessment Program (NARCCAP)

9:30–9:45; EGU2008-A-04085; CL27-1FR1O-005
Im, E.-S.; Giorgi, F.; Kwon, W.-T.
Sensitivity of recent and future regional climate simulations to two convection schemes in the RegCM3 nesting system

9:45–10:00; EGU2008-A-05619; CL27-1FR1O-006
The PROTHEUS Team, .; **Calmanti, S.;** The PROTHEUS Team
Sensitivity of a regional Climate model for the mediterranean area to ocean-atmosphere coupling.

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-06047; CL27-1FR2O-001
karimian, marya; babaeian, iman; modirian, rahel; team of Climate Change Lab
Simulation of 1376 and 1379 winter precipitations using RegCM3 Regional Climate Model

10:45–11:00; EGU2008-A-06434; CL27-1FR2O-002
Szepso, G.
Regional change of extreme characteristics over the Carpathian Basin based on different regional climate models

11:00–11:15; EGU2008-A-06640; CL27-1FR2O-003
Faggian et al., F.; The ARTALE TEAM
Climate change on Mediterranean Region

11:15–11:30; EGU2008-A-06705; CL27-1FR2O-004
Sen, O.L.; Vogler, J.; Fox, J.
Role of land cover / land use change in montane mainland Southeast Asia in altering regional climate

11:30–11:45; EGU2008-A-07861; CL27-1FR2O-005
Mariotti, L.; Coppola, E.; Zakey, A.S.; Giorgi, F.; Tomasetti, B.; Verdecchia, M.
Effects of Saharan Dust on the West African Monsoon and the Niger River Basin.

11:45–12:00; EGU2008-A-08271; CL27-1FR2O-006
Solmon, F.; Konaré, A.; Zakey, A.; Giorgi, F.
A regional climate modeling study of the effect of desert dust on the West African monsoon

12:00 LUNCH BREAK

Chairperson: N.N.

13:30–13:45; EGU2008-A-08286; CL27-1FR3O-001
Krüger, B.C.; Katragkou, E.; Tegoulas, I.; Zanis, P.; Melas, D.; Rauscher, S.
Regional air quality modelling for Europe in a changing climate

13:45–14:00; EGU2008-A-09850; CL27-1FR3O-002
Jimenez-Guerrero, P.; Jorba, O.; Baldasano, J.M.
Impacts of climate on summertime air quality in the Mediterranean: past assessment and future scenarios

14:00–14:15; EGU2008-A-09865; CL27-1FR3O-003
Gobiet, A.; Suklitsch, M.; Truhetz, H.
Quantification of high-resolution dynamical downscaling error components in the Alpine region

14:15–14:30; EGU2008-A-10698; CL27-1FR3O-004
Nadeem, I.; Formayer, H.
Influence of Sub-scale Land Surface Processes on the Simulation of RCM-modeled Surface Climate over the region of Complex Topography.

14:30–14:45; EGU2008-A-11025; CL27-1FR3O-005
Lorenz, P.; Jacob, D.
Can two-way nesting improve a regional climate model simulation?

14:45–15:00; EGU2008-A-11270; CL27-1FR3O-006
bessagnet, B.; menuet, L.; meleux, F.; Giorgi, F.
Climate changes impact on air quality

15:00 END OF SESSION

CL27 Regional Climate Modeling and impacts – Posters

Convener: Zakey, A.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0174; EGU2008-A-00168; CL27-1FR4P-0174
Gao, X.J.; Shi, Y.; Song, R.Y.; Giorgi, F.
Reduction of Future Monsoon Precipitation over China: Comparison between a High Resolution RCM Simulation and the Driving GCM

XY0175; EGU2008-A-00170; CL27-1FR4P-0175
Xu, Y.; Gao, X.J.; Giorgi, F.
Regional variability of climate change hot-spots in East Asia

XY0176; EGU2008-A-00388; CL27-1FR4P-0176
Ferrone, A.; Matthews, B.; van Ypersele, J.P.
Investigating the impact of aviation on climate change in Europe with a regional climate model

XY0177; EGU2008-A-01122; CL27-1FR4P-0177
Saeed, S.; LIU, Y.; Rasul, G.
Multiyears Hindcast Experiments of Summer Monsoon over Pakistan by Using a Nested Regional Climate Model (BCC_RegCM1.0)

- XY0178;** EGU2008-A-01424; CL27-1FR4P-0178
Diaconescu, E. P.; Laprise, R.; Zadra, A.
The analyse of Internal Variability of a Regional Climate Model using the Singular Vectors
- XY0179;** EGU2008-A-01595; CL27-1FR4P-0179
Evans, J.P.
Global warming caused changes in precipitation in the Fertile Crescent and its association with the Zagros Mountain barrier jet.
- XY0180;** EGU2008-A-02108; CL27-1FR4P-0180
Boberg, F.; Berg, P.; Thejll, P.; Gutowski, W.; Christensen, J
Late 21st century changes in European precipitation intensities
- XY0181;** EGU2008-A-02755; CL27-1FR4P-0181
Zhang, D. F.; Zakey, A.S.; Gao, X. J.; Giorgi, F.
Simulation of dust aerosol and its regional feedbacks over East Asia using a regional climate model
- XY0182;** EGU2008-A-03788; CL27-1FR4P-0182
Holtanova, E.; Kalvova, J.
Analysis of uncertainties in PRUDENCE regional climate models outputs over the Czech Republic
- XY0183;** EGU2008-A-03842; CL27-1FR4P-0183
Kalvova, J.; Farda, A.; Miksovsky, J.; **Pissoft, P.**; Raidl, A.
Temperature and precipitation characteristics of ALADIN model versus climate conditions of the Czech Republic
- XY0184;** EGU2008-A-03922; CL27-1FR4P-0184
Cavazos-Guerra, C.; Todd, M.C.
Regional model simulation of dust emission/transport during a selection of severe dust events in the Sahara Desert
- XY0185;** EGU2008-A-04092; CL27-1FR4P-0185
Im, E.-S.; Giorgi, F.; Coppola, E.; Bi, X.
Characteristics of precipitation climatology over the Alps region
- XY0186;** EGU2008-A-04264; CL27-1FR4P-0186
Bozkurt, D.; Sen, O.L.; Turuncoglu, U.U.; Karaca, M.; Dalfes, H.N.
Regional climate change projections for Eastern Mediterranean: Preliminary results
- XY0187;** EGU2008-A-04780; CL27-1FR4P-0187
Thrasher, B.; Sloan, L
Carbon dioxide and the early Eocene climate of western North America
- XY0188;** EGU2008-A-05231; CL27-1FR4P-0188
Music, B.; Caya, D.
Water cycle components in the Canadian Regional Climate Model (CRCM): a sensitivity study
- XY0189;** EGU2008-A-05996; CL27-1FR4P-0189
Modirian, Rahel; karimian, Marya; babaeian, Iman; team of Climate Change Lab
Numerical Simulation of precipitation and temperature over southeast of Iran using RegCM3 Climate Model
- XY0190;** EGU2008-A-06069; CL27-1FR4P-0190
babaeian, iman; Modirian, Rahel; karimian, Marya; team of Climate Change Lab
Sensitivity Analysis of Different Convection Schemes and Domain Center for Numerical Simulation of Winter Precipitation Over Iran
- XY0191;** EGU2008-A-06384; CL27-1FR4P-0191
Szepso, G.
Validation of the REMO regional climate model for the past climate over the Carpathian Basin
- XY0192;** EGU2008-A-06498; CL27-1FR4P-0192
Szépszó, G.
Dynamical downscaling of ERA-40 data for the estimation of high-resolution wind climatology over Hungary
- XY0193;** EGU2008-A-06548; CL27-1FR4P-0193
Li, L.
Climate of Eastern China simulated in a regionally-oriented atmospheric general circulation model
- XY0194;** EGU2008-A-06794; CL27-1FR4P-0194
Williams, C.; Kniveton, D.; Layberry, R.
Trends and variability of the start of the wet season over Africa
- XY0195;** EGU2008-A-07116; CL27-1FR4P-0195
Berg, P.; Boberg, F.; Christensen, J.H.; Thejll, P.
The performance of the PRUDENCE RCMs in simulating regional droughts
- XY0196;** EGU2008-A-07280; CL27-1FR4P-0196
Mic, R.; Corbus, C.; Chirila, G.
The assessment of the surface water resources for the Buzau and Ialomita river basins from Romania under the climate change impact by statistical analysis.
- XY0197;** EGU2008-A-07728; CL27-1FR4P-0197
g. Csima, g.Cs.
Validation of the ALADIN-CLIMATE regional climate model at the HMS
- XY0198;** EGU2008-A-08210; CL27-1FR4P-0198
Farda, A.; Skalak, P.; **Stepanek, P.**
High resolution experiments with the regional climate model ALADIN-Climate/CZ
- XY0199;** EGU2008-A-09248; CL27-1FR4P-0199
Nikulin, G.; Kjellström, E.; Bärring, L.
Intraseasonal temperature variability over Europe in a future climate scenario
- XY0200;** EGU2008-A-09289; CL27-1FR4P-0200
Bartholy, J.; Pongracz, R.; Torma, CS.; Pieczka, I.; Kardos, P.; Hunyady, A.
Comparison of regional climate models in the Carpathian basin using control run experiments
- XY0201;** EGU2008-A-10218; CL27-1FR4P-0201
Pfeiffer, A.; Zängl, G.
Regional climate simulations using MM5 in the European Alpine region.
- XY0202;** EGU2008-A-10287; CL27-1FR4P-0202
Dirksen, V.; Dirksen, O.
Late Pleistocene to Holocene climate changes on Kamchatka, Russian Far East, inferred from pollen records
- XY0203;** EGU2008-A-10917; CL27-1FR4P-0203
Gómez-Navarro, J.J.; **Montávez, J.P.**; Jerez, S.; García Valero, J.A.; Navarro, S.B.; González-Rouco, J.F.
Regional climate change over the Iberian Peninsula: warming patterns and spatial and seasonal asymmetries.
- XY0204;** EGU2008-A-11111; CL27-1FR4P-0204
Caian, M.; Boroneant, C.; Bojariu, R.
High resolution regional climate simulations over Romania
- XY0205;** EGU2008-A-11435; CL27-1FR4P-0205
Belda, M.; Halenka, T.; Miksovsky, J.; Skalak, P.
Sensitivity of domain selection and parameterization in high resolution regional climate model: Preliminary results of simulations in EC FP6 project CECILIA

CL32 Advances in Quaternary Geochronology (co-listed in GM)

Convener: Duller, G.
Co-Convener(s): Lang, A., Hajdas, I., Kiefer, T.
Lecture Room 14
Chairperson: DULLER, G.A.T.; KIEFER, T.

10:30–10:45; EGU2008-A-10064; CL32-1FR2O-001
Hoffmann, D.L.; Beck, J.W.; Richards, D.A.; Smart, P.L.; Mathey, D.P.; Paterson, B.A.; Hawkesworth, C.J.
Atmospheric radiocarbon variation between 44 and 28 ka based on a U-series dated speleothem

10:45–11:00; EGU2008-A-03766; CL32-1FR2O-002
Sigl, M.; Jenk, T.M.; Kellerhals, T.; Ruff, M.; Szidat, S.; Boutron, C.; Barbante, C.; Synal, H.A.; Gaggeler, H.W.; Schwikowski, M.
Radiocarbon dating of glacier ice on a microgram level - examples from the Alps and the Andes

11:00–11:15; EGU2008-A-00612; CL32-1FR2O-003
Lane, C.S.; Blockley, S.P.E.; Trincardi, F.; Pollard, A.M.
Exploring geochemical variability within Lateglacial Italian tephra – seeking new tools for characterisation and correlation

11:15–11:30; EGU2008-A-00329; CL32-1FR2O-004
Thrasher, I.M.; Mauz, B.; Chiverrell, R.C.; Lang, A.
A lithofacies-based approach to OSL dating of ice-proximal sandar on the margins of the Irish Sea ice-stream

11:30–11:45; EGU2008-A-05899; CL32-1FR2O-005
Meyer, M. C.; Marjanac, L.; Jacobs, Z.; Roberts, R. G.
Luminescence geochronology and evaluation of the environmental dose rate for the Neanderthal deposits at Vindija Cave (Northern Croatia)

11:45–12:00; EGU2008-A-11217; CL32-1FR2O-006
Machalett, B.; Ochse, E. A.; Frechen, M.; Zöller, L.
Amino acid geochronology as an independent test of numerical dating methods applied to Central Asian loess deposits

12:00 END OF SESSION

CL32 Advances in Quaternary Geochronology (co-listed in GM) – Posters

Convener: Duller, G.
Co-Convener(s): Lang, A., Hajdas, I., Kiefer, T.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: HAJDAS, I.; LANG, A.

XY0206; EGU2008-A-00680; CL32-1FR4P-0206
Hein, A.; Hulton, N.; Dunai, T.; Kaplan, M.
Patagonian glaciation of MIS 8 age from cosmogenic exposure dating of outwash terraces, 47° S, Argentina

XY0207; EGU2008-A-05212; CL32-1FR4P-0207
Ilgnier, J.; Zech, R.; Veit, H.
Scaling matters – exposure age uncertainties from a user's point of view with examples from the Central Andes

XY0208; EGU2008-A-00939; CL32-1FR4P-0208
Winkler, S.
Attempt to combine in situ cosmogenic nuclide (10Be) and relative-age Schmidt-hammer dating - first application in the Southern Alps of New Zealand

XY0209; EGU2008-A-07290; CL32-1FR4P-0209
Fisher, J.; Trofimovs, J.; Hart, M.; Sparks, S.; Talling, P.; Smart, C.; Leng, M.
An integrated approach to dating the geochronology of the Soufrière Hills Volcano, Montserrat, within marine sediments

XY0210; EGU2008-A-00696; CL32-1FR4P-0210
Ulgen, U. B.; Franz, S.O.
Radionuclide dating (210Pb, 137Cs) of short core sediments from Lake Iznik (NW Turkey)

XY0211; EGU2008-A-11199; CL32-1FR4P-0211
Blockley, S.P.E.; Bronk Ramsey, C.; Lane, C.S.; Lotter, A.; Lowe, J.J.; Pyne-O'Donnell, S.D.F.; Walker, M.J.C.
Refining the age and rate of abrupt climate change during the Last Termination: an integrated Bayesian approach

XY0212; EGU2008-A-12084; CL32-1FR4P-0212
Chiverrell, R.C.; Foster, G.C.; Thomas, G.S.P.; Marshall, P.; Hamilton, D.
Robust chronologies for landform development

XY0213; EGU2008-A-12083; CL32-1FR4P-0213
Tsukamoto, S.; Duller, G.A.T.; Wintle, A.G.
Assessing the potential for luminescence dating of basalts

XY0214; EGU2008-A-05169; CL32-1FR4P-0214
Lukas, S.; Preusser, F.; Anselmetti, F.; Tinner, W.
Determination of palaeo-water content for OSL-dating of shallow lacustrine sediment sequences – a limnological approach

XY0215; EGU2008-A-12382; CL32-1FR4P-0215
Robinson, R.A.J.; Dawson, A.G.; Nott, J.F.; Hawkes, A.D.; Aik, L.W.; Horton, B.P.
OSL dating and sedimentology of the Indian Ocean 2004 tsunami sediments from Thailand and the ~8.1ka (Storegga) tsunami deposit in eastern Scotland

XY0216; EGU2008-A-12385; CL32-1FR4P-0216
Stanton, T.; Zillén, L.; Snowball, I.
Detection of possible errors in varve counting and 14C ages by use of the FENNOSTACK Holocene palaeomagnetic secular variation master curve

CL42 Assessment of climate events in lake sediments: deciphering climate, tectonic or anthropic influence

Convener: Fagel, N.
Co-Convener(s): Loutre, M., Hubert-Ferrari, A.
Lecture Room 14
Chairperson: N.N.

8:30–8:45; EGU2008-A-07966; CL42-1FR1O-001
Swierczynski, T.; Lauterbach, S.; Brauer, A.; DecLakes Participants, -
Detrital layers as a sedimentary record of historical flood events- A case study from Lake Mondsee (Upper Austria)

8:45–9:00; EGU2008-A-02421; CL42-1FR1O-002
Trachsel, M.; Schnyder, D.; Grosjean, M.; Rein, B.; Blass, A.; Sturm, M.
High-resolution summer temperature reconstruction from Lake Silvaplana based on in-situ reflectance spectroscopy

9:00–9:15; EGU2008-A-08668; CL42-1FR1O-003
Bláhová, A.; Grygar, T.; Novotná, K.; Veselá, J.; Nourgaliev, D.; Oberhänsli, H.
Present and Past Aral Sea Level Fluctuations and Its Possible Causes

9:15–9:30; EGU2008-A-09658; CL42-1FR1O-004
van Welden, A.; Reyss, J.L.; Beck, C.; Sulpizio, R.; Bushati, S.; Koci, R.; Jouanne, F.; Mugnier, J.L.
 Holocene paleoenvironmental recording in large shallow lakes: the Shkodra (Albania/Montenegro) case

9:30–9:45; EGU2008-A-10970; CL42-1FR1O-005
Araneda, A.; Torres, L.; Cruces, F.; Vivero, C.; Torrejon, F.; Fagel, N.; Scharf, B.; **Urrutia, R.**
 A multiproxy reconstruction of the Late Holocene in Lake Laja (Central Chile): Evidence of Little Ice Age-like event in a Southern Hemisphere record

9:45–10:00; EGU2008-A-10465; CL42-1FR1O-006
Kilian, R.; Arz, H.; Lamy, F.; Baeza, O.; Kaiser, J.; Bister, H.
 Holocene storm track record from the southern Hemispheric Westerly Zone

10:00 END OF SESSION

CL42 Assessment of climate events in lake sediments: deciphering climate, tectonic or anthropic influence – Posters

Convener: Fagel, N.
 Co-Convener(s): Loutre, M., Hubert-Ferrari, A.
 Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0217; EGU2008-A-00754; CL42-1FR4P-0217
Li, N.; Dearing, J.
 The environmental change and human impact during late Holocene: a study from Chaohu Lake, East China

XY0218; EGU2008-A-08299; CL42-1FR4P-0218
Young, A. A.; Holmes, J. A.; Leng, M. J.; Zhang, J.
 Assessing recent climatic change across north-west China using lake sediments from the Badain Jaran Desert

XY0219; EGU2008-A-11811; CL42-1FR4P-0219
Ciobanas, N.; Francus, P.
 Deterministic hydrological model to reconstruct the last 400 years of runoff and climate variations using the properties of the varved lake sediments in the Canadian Arctic

XY0220; EGU2008-A-09940; CL42-1FR4P-0220
Schwab, M. J.; Dulski, P.; Kagan, E. J.; Stein, M.; Agnon, A.; Haug, G. H.
 Sedimentological implications from micro-facies data and geochemical characterization of annual laminated sediment deposits from the Holocene Dead Sea

XY0221; EGU2008-A-11196; CL42-1FR4P-0221
Urrutia, R.; Araneda, A.; Torrejón, F.; Torres, L.; Cruces, F.; Barra, R.; De la Fuente, M.; Alvarez, D.; Bertrand, S.; Fagel, N.
 The last 2000-yr in Patagonia, an assessment of climatic and environmental change in Southern Chile: introducing the research project Fondecyt 1070508

XY0222; EGU2008-A-11540; CL42-1FR4P-0222
Zech, W.; Zech, M.; Zech, R.; Karki, K.; Glaser, B.
 Reconstruction of Late Glacial and Holocene climate fluctuations in Central Nepal based on lacustrine sediments

XY0223; EGU2008-A-02660; CL42-1FR4P-0223
Dietrich, S.; Sirocko, F.; Seelos, K.; Lenaz, D.
 Annual resolution μ XRF geochemistry of ELSA maar lake sediments (Eifel, Germany): Implications for paleoclimate variability of the last 60 kyr

XY0224; EGU2008-A-03453; CL42-1FR4P-0224
Vogel, H.; Wagner, B.; Nowaczyk, N.; Zanchetta, G.; Sulpizio, R.; Wennrich, V.
 High-resolution geochemical investigations on a long record from ancient Lake Ohrid Macedonia/Albania.

XY0225; EGU2008-A-03304; CL42-1FR4P-0225
Vogel, H.; Rosén, P.; Wagner, B.; Melles, M.; Juschus, O.; Persson, P.
 Fourier transform infrared spectroscopy on long sediment cores from Lakes El'gygytgyn, NE Siberia, and Ohrid, Albania/Macedonia: A fast and cost efficient tool for the quantitative analysis of biogeochemical properties.

XY0226; EGU2008-A-11328; CL42-1FR4P-0226
Meyer, M. C.; Faber, R.; Spötl, C.
 New software for rapid, semi-automated analysis of laminated climate archives - The WinGeol Lamination Tool

XY0227; EGU2008-A-07143; CL42-1FR4P-0227
Kalugin, i. A.; Daryin, A. V.; Smolyaninova, L. G.; Vologina, E. G.; Ptitsyn, A. B.
 High resolution paleoclimatic reconstructions by geochemical indices from recent lake sediments: assessment of source material and methods

XY0228; EGU2008-A-06274; CL42-1FR4P-0228
Zhdanova, A. N.; Solotchina, E. P.
 Carbonate minerals in Late Pleistocene sediments of Lake Hovsgol, Mongolia: implications for the paleoclimatic changes

XY0229; EGU2008-A-10120; CL42-1FR4P-0229
Dirksen, O.; Diekmann, B.
 Late Quaternary geomorphological evolution of Dwuhyrtochnoe lake, Kamchatka.

XY0230; EGU2008-A-03829; CL42-1FR4P-0230
Huws, D.; Bates, R.; Lamb, H.; Marshall, M.; Ummer, M.; Dejen, E.
 A first order sedimentary history of Lake Tana, northern Ethiopia, from high resolution seismic data

XY0231; EGU2008-A-05406; CL42-1FR4P-0231
 Avsar, U; Boes, X; Hubert-Ferrari, A; Fagel, N; King, J
 Traces of the last earthquake sequence (1939-1944) along NAF from lacustrine sediments

XY0232; EGU2008-A-11204; CL42-1FR4P-0232
Boës, X.; Moran, B; Roger, K; Ulas, A; Moernaut, J; King, J; Cagatay, N; Hubert Ferrari, A
 Radionuclide profiles and recent earthquakes history of Lake Hazar Pull-apart basin (East Anatolian Fault, Turkey)

IS6 - CL43/AS4.01/CR25/NH1.5/OS23 Rapid climate change (co-organized by CL, AS, CR, NH & OS; co-listed in GM)

Convener: Renssen, H.
 Co-Convener(s): Bamber, J.
 Lecture Room 26
 Chairperson: N.N.

10:30–10:45; EGU2008-A-05875; IS6 -
 CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-001
Clark, P. U.
 Ice sheets and rapid climate change (solicited)

10:45–11:00; EGU2008-A-05756; IS6 -
 CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-002
Rasmussen, S. O.; NGRIP
 Dynamics of abrupt climate change as inferred from the NGRIP ice core record

11:00–11:15;	EGU2008-A-03805;	IS6	-	XY0237;	EGU2008-A-12326;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-003				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0237			
Roche, D.M.; Renssen, H.				Jongma, J.I.; Roche, D.M.; Renssen, H.			
Triggering abrupt climate change by freshwater perturbations of the LGM surface ocean: a systematic study of the sensitivity to different release locations				Simulating Heinrich event 1 with a coupled climate model including interactive icebergs			
11:15–11:30;	EGU2008-A-08923;	IS6	-	XY0238;	EGU2008-A-00379;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-004				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0238			
Peeters, F.J.C				Trevena, J.; Sijp, W. P.; England, M. H.			
Is the Indian Ocean a heat source for Late Pleistocene deglaciations? (solicited)				North Atlantic deep water collapse triggered by a Southern Ocean meltwater pulse in a glacial climate state			
11:30–11:45;	EGU2008-A-08253;	IS6	-	XY0239;	EGU2008-A-10425;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-005				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0239			
Kuhlbrodt, T.; Bondeau, A.; Link, M.; Hinkel, J.				Van Meerbeeck, C.J.; Flückiger, J.; Renssen, H.			
The risk of a major weakening of the Thermohaline Circulation - an economic view				Winter and summer climate in Eurasia during abrupt glacial climate changes: modelled variability much larger than indicated by biotic proxies			
11:45–12:00;	EGU2008-A-06218;	IS6	-	XY0240;	EGU2008-A-12325;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR2O-006				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0240			
Srokosz, M				van Asch, N.; Hoek, W.Z.			
Rapid climate change (RAPID) - latest results and future plans (solicited)				Environmental response to rapid climatic oscillations in NW-Europe during Greenland Interstadial 1			
12:00 END OF SESSION							
IS6 - CL43/AS4.01/CR25/NH1.5/OS23 Rapid climate change (co-organized by CL, AS, CR, NH & OS; co-listed in GM) – Posters							
Convener: Renssen, H.							
Co-Convener(s): Bamber, J.							
Display Time: Friday, 08:00–19:30							
Authors in Attendance: Friday, 15:30–17:00							
Poster Area Halls X/Y							
Chairperson: N.N.							
XY0233;	EGU2008-A-04344;	IS6	-	XY0241;	EGU2008-A-10368;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0233				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0241			
Hernandez-Guerra, A.; Joyce, T.M.; Fraile-Nuez, E.; Velez-Belchi, P.				Lembke-Jene, L.; Tiedemann, R.			
Using Argo data to investigate the Meridional Overturning Circulation in the North Atlantic				Climatic and Rapid Oceanographic Changes in the Okhotsk Sea during the Holocene			
XY0234;	EGU2008-A-10207;	IS6	-	XY0242;	EGU2008-A-06567;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0234				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0242			
Vélez-Belchí, P; Hernández-Guerra, A.; Fraile-Nuez, E				Mokeddem, Z.; Baltzer, A.; Clet-Pellerin, M.; Goubert, E.; Walter-Simonnet, A.V.			
Changes in the temperature tendencies in the upper levels of the subtropical North Atlantic ocean				Multi-data study to reconstitute climate changes since 20,000 yr in a coastal environment : the Loch Sunart (NW Scotland)			
XY0235;	EGU2008-A-12263;	IS6	-	XY0243;	EGU2008-A-04179;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0235				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0243			
Bamber, J.L.				Dreibrodt, S.; Lomax, J.; Nelle, O.; Fischer, P.; Radtke, U.; Grootes, PM; Bork, HR			
Rapid response of Antarctica and Greenland to external forcing and potential freshwater fluxes				Are slope deposits sensitive to palaeoclimatic events? – evidence for geomorphologic instability during the 8.2 ka event in Central Europe			
XY0236;	EGU2008-A-12330;	IS6	-	XY0244;	EGU2008-A-03346;	IS6	-
CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0236				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0244			
Levine, R.C.; Bigg, G.R.				Wiersma, A.P.; Roche, D.M.; Renssen, H.			
Modelling freshwater and ice streaming events from the West European Ice				Fingerprinting the 8.2 ka BP event climate response in a coupled climate model			
				XY0245;	EGU2008-A-11522;	IS6	-
				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0245			
				McDonald, A. B.			
				Rapid climate change explained by the Tiamat Hypothesis			
				XY0246;	EGU2008-A-00514;	IS6	-
				CL43/AS4.01/CR25/NH1.5/OS23-1FR4P-0246			
				Kapochkin, B.B.; Kucherenko, N.V.; Kapochkina, A.B.			
				Causes increase of number of natural catastrophes.			