

EGU General Assembly 2012
Programme Group Programme
SSP – Stratigraphy, Sedimentology & Palaeontology

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Monday, 23 April

ERE1.6 – Deep geothermal energy – exploration, exploitation, characterisation and modelling (co-listed) – Orals

Convener: B. Hahne | Co-Conveners: D. Bruhn, A. Manzella, G. Blöcher, A. Bartetzko, I. Nardini

Room: 28

Chairperson: Guido Blöcher

- 10:30–10:45 EGU2012-346
D. Reyer and S.L. Philipp
Heterogeneities of mechanical properties in potential geothermal reservoir rocks of the North German Basin
- 10:45–11:00 EGU2012-7556
K. Bär, I. Sass, D. Arndt, and A. Hoppe
Depth Dependence of Geothermal Reservoir Parameters - Examples from the Rotliegend and Buntsandstein of the Northern Upper Rhine Graben (Germany)
- 11:00–11:15 EGU2012-5504
S. Homuth, A. E. Götz, and I. Sass
Facies related thermo-physical characterization of the Upper Jurassic geothermal carbonate reservoirs of the Molasse Basin, Germany
- 11:15–11:30 EGU2012-963
M. van Putten, J.D.A.M. van Wees, M.P.D. Pluymaekers, and L. Kramers
Finding a way to optimize drilling depths in clastic aquifers for geothermal energy
- 11:30–11:45 EGU2012-4519
T.S. Bording, N. Balling, and S.B. Nielsen
Estimating thermal conductivity from geophysical well logs: Selected boreholes in Danish sedimentary basins
- 11:45–12:00 EGU2012-7198
S. Fuchs and A. Förster
Thermal Conductivity Determination in the North German Basin: New Approaches - New Results.

LUNCH BREAK

Chairperson: Adele Manzella

- 13:30–13:45 EGU2012-137
E. Bozau and W. van Berk
Generic models of deep formation water calculated with PHREEQC using the "gebo"-database
- 13:45–14:00 EGU2012-13455
T. Tóth, G. Wórum, A. Nádor, A. Uhrin, I. Bíró, B. Musitz, M. Kóbor, G. Dövényi, F. Horváth, and N. Pap
Exploration of geothermal energy in the western Pannonian basin
- 14:00–14:15 EGU2012-8054
F. Bellotti, G. Falorni, J. Morgan, A. Rucci, and A. Ferretti
Advanced InSAR techniques for the management and characterization of geothermal resources
- 14:15–14:30 EGU2012-11002
G. Giordano, A. A. De Benedetti, P. Ramazzotti, A. Bonamico, and M. Mattei
Reappraisal of the geothermal potential at Colli Albani volcano (Italy): a new approach to the volume method
- 14:30–14:45 EGU2012-10789
M. R. Muller, A. G. Jones, J. Fulla, C. M. Yeomans, M. Loewer, D. Reay and the IRETherm Team
IRETherm: Research and Exploration Challenges in Assessing Ireland's Deep Low-Enthalpy Geothermal Energy Potential
- 14:45–15:00 EGU2012-8183
M. Brehme, Y. Kamah, H. Koestono, G. Zimmermann, S. Regenspurg, K. Erba?, B. Wiegand, and M. Sauter
Characterization of a deep geothermal reservoir in an active volcanic area

Chairperson: Dorothea Reyer

- 15:30–15:45 EGU2012-12839
A. Genter, N. Cuenot, J. Scheiber, and B. Melchert
Current status EGS Soultz project during geothermal exploitation
- 15:45–16:00 EGU2012-3798
H. Asanuma, Y. Mkukuhira, S. Mitsumori, M. Haring, D. Wyborn, and M. Adachi
Fault plane solutions of earthquakes from deep geothermal reservoirs

- 16:00–16:15 EGU2012-9157
J. Bartels, F. Wenderoth, T. Fritzer, B. Huber, M. Dussel, E. Lüschen, R. Thomas, and R. Schulz
 A new simulation model to evaluate interaction between neighbouring hydro-geothermal installations developing the deep Malm aquifer in the Munich region
- 16:15–16:30 EGU2012-1180
F. Baer and L. Overmeyer
 A Cost-efficient Well Construction for Deep Geothermal Resources
- 16:30–16:45 EGU2012-10850
L. Urpi, G. Zimmermann, G. Blöcher, J.D.A.M. van Wees, and B. Wassing
 Discrete fracture network modelling of Groß Schönebeck stimulation treatment
- 16:45–17:00 EGU2012-412
T. Krühn and L. Overmeyer
 Printed Circuit Boards with Integrated Heat Carrier Channels for Deep Geothermal Resources

ERE1.6 – Deep geothermal energy – exploration, exploitation, characterisation and modelling (co-listed) – Posters

Convener: B. Hahne | Co-Conveners: D. Bruhn, A. Manzella, G. Blöcher, A. Bartetzko, I. Nardini

Hall XL | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Isabella Nardini

- XL53 EGU2012-4225
 B. Hahne, **R. Thomas** and the gebo-Geosystem Team
 Combined geophysical, geochemical and geological investigations of geothermal reservoir characteristics in Lower Saxony, Germany
- XL54 EGU2012-495
C. Vogt and A. Widera
 Ensemble Kalman Filter Assimilation of Temperature Data to Estimate Permeability in Geothermal Reservoirs
- XL55 EGU2012-1876
V. Pasquale, P. Chiozzi, and M. Verdoya
 Thermal regime of the deep carbonate reservoir of the Po Plain (Italy)
- XL56 EGU2012-2056
A. Hesshaus, R. Kringel, G. Houben, and T. Tischner
 Characterisation of reservoir fluid conditions at geothermal well Gross Buchholz Gt1
- XL57 EGU2012-2615
A.E. Götz, Á. Török, M. Tóth, V. Hlaví?ka, and I. Sass
 Thermophysical properties of potential geothermal reservoir rocks: an outcrop analogue study of the sedimentary series of the Buda Mts., Hungary
- XL58 EGU2012-3043
M. Aleardi and A. Mazzotti
 A study on the seismic AVO signatures of deep fractured geothermal reservoirs in an intrusive basement.
- XL59 EGU2012-3379
H. Milsch, S. Regenspurg, R. Giese, M. Poser, and S. Kranz
 FluMo - A mobile fluid-chemical monitoring unit for geothermal plants
- XL60 EGU2012-3690
 Y.-C. Lu, **S.-R Song**, and C.-M. Liu
 Evidence of Formation Scaling Occurred in the Chingshui Geothermal Field, Taiwan
- XL61 EGU2012-4181
S. E. Poulsen, N. Balling, T. S. Bording, and S. B. Nielsen
 Regional geothermal 3D modelling in Denmark
- XL62 EGU2012-5335
N.M. Willmot Noller and J.S. Daly
 Constructing a model of 3D radiogenic heat production in Ireland
- XL63 EGU2012-6377
 C. Dixit, B. Sanjuan, M. Brach, **M.-L. Bernard**, and S. Gaspard
 Experimental study of the silica precipitation kinetics from geothermal fluids under the exploitation conditions of the Bouillante power station (Guadeloupe, French West Indies)
- XL64 EGU2012-7212
P. Mikisek, G. Bignall, F. Sepulveda, and I. Sass
 Effect of Hydrothermal Alteration on Rock Properties in Active Geothermal Setting
- XL65 EGU2012-7541
A. Aretz, K. Bär, and I. Sass
 Geothermal reservoir properties of the Rotliegend (Permocarboniferous) sediments in the Saar Nahe Basin (South-West Germany)

- XL66 EGU2012-7928
P. Lubrano Lavadera, J.M. Marthelot, M. Zillmer, and F. Cornet
Detection of fractures within the Soultz-sous-Forêts EGS geothermal reservoir by processing of Vertical Seismic Profile data
- XL67 EGU2012-9127
H. Sébastien, Y. Géraud, M. Diraison, and C. Dezayes
Petrophysical characteristics and fluid flow zones in the Buntsandstein sandstones reservoir according well cores and outcrop analysis (Upper Rhine Graben, France)
- XL68 EGU2012-9364
F. Deon, I. Moeck, T. Sheytt, and M.S. Jaya
Preliminary assessment of the geothermal system of the Tiris volcanic area, East Java, Indonesia.
- XL69 EGU2012-9405
S.W. Niasari, G. Muñoz, M. Kholid, E. Suhanto, and O. Ritter
Magnetotelluric Exploration of the Sipoholon Geothermal Field, Indonesia
- XL70 EGU2012-9681
I. Moeck
A new classification scheme for deep geothermal systems based on geologic controls
- XL71 EGU2012-9731
T. Fritschle, J.S. Daly, and B.J. McConnell
Geothermal potential of the buried Drogheda and Kentstown granites, Co. Meath, Ireland
- XL72 EGU2012-10409
S. Carlino, R. Somma, A. Troiano, M.G. Di Giuseppe, C. Troise, and G. De Natale
The geothermal potential of the Campania volcanic district and new heat exchanger technologies for exploitation of highly urbanised areas.
- XL73 EGU2012-11234
J. Fullea, **M. R. Muller**, A. G. Jones and the IRETherm Team
Exploring Geothermal Energy Potential in Ireland through 3-D Geophysical-Petrological Modelling of Surface Heat-Flow and Crustal and Upper-Mantle Structure
- XL74 EGU2012-11995
S. Hoyer, M. Bottig, F. Zekiri, M. Fuchsluger, G. Götzl, G. Schubert, and A. Brüstle
Geological and geothermal 3D modelling of the Vienna Basin, Austria - pilot area of the project TRANSENERGY
- XL75 EGU2012-12245
E. Rizzo, D. Delle Donne, A. Murratzu, G. Romano, M. Votta, S. Botteghi, A. Manzella, S. Fiaschi, and G. Olivieri
Deep Electrical Resistivity and Passive Seismic measurements for the characterization of a local geothermal resource at Canino (Viterbo, Italy)
- XL76 EGU2012-13504
A. Troiano, M. G. Di Giuseppe, C. Troise, A. Tramelli, and **G. De Natale**
Fluid injection and withdrawal in deep geothermal borehole.
- XL77 EGU2012-13829
E. Holzbecher and **P. Oberdorfer**
Modelling Hydraulic and Thermal Responses in a Benchmark for Deep Geothermal Heat Production
- XL78 EGU2012-13833
G. Montegrossi, G. Tsytkin, and C. Calore
Pure water injection into porous rock with superheated steam and salt in a solid state
- XL79 EGU2012-4041
G. Schaumann, T. Günther, P. Musmann, and M. Grinat
Application of electric and electromagnetic prospection methods for the investigation of geological fault zones
- XL80 EGU2012-4201
P. Musmann, U. Polom, H. Bunes, and R. Thomas
Reflection seismic survey across a fault zone in the Leinetal Graben, Germany, using P- and SH-waves
- XL81 EGU2012-4833
S. Weides, I. Moeck, and J. Majorowicz
Geothermal investigation of Paleozoic formations in the Central Alberta Basin/Canada
- XL82 EGU2012-7525
S. Kristjansdottir, K. Agustsson, A. Franco, M. Adelinet, K. Arnason, C. Dorbath, C. Doubre, O. G. Flovenz, J. Fortin, L. Geoffroy, G. P. Hersir, R. Karlsdottir, A. Schubnel, and A. M. Vilhjalmsson
The Hydorift Experiment
- XL83 EGU2012-7765
L. Fusi, I. Borsi, and F. Rosso
Some new results on the mathematical modelling of geothermal exploitation.
- XL84 EGU2012-10009
M. Nukman and I. Moeck
Field based geothermal exploration: Structural controls in the Tarutung Basin/North Central Sumatra (Indonesia)

- XL85 EGU2012-10553
M. Piochi, M.A. Di Vito, A. Mormone, G. De Natale, A. Tramelli, C. Troise, and S. Carlino
 The Campi Flegrei caldera-hosted high-temperature and high-saline geothermal system in the Southern Italy: the implication of the geothermal resource as derived by the present state of the knowledge through 70 years of volcanological, structural, petrolog
- XL86 EGU2012-12432
S. D'Arpa, N. Zaccarelli, D. E. Bruno, G. Leucci, V. F. Uricchio, and G. Zurlini
 A geographically weighted regression model for geothermal potential assessment in mediterranean cultural landscape
- XL87 EGU2012-13687
I. Ghergut, J. Meixner, D. Rettenmaier, F. Maier, M. Nottebohm, T. Ptak, and M. Sauter
 Expected fluid residence times, thermal breakthrough, and tracer test design for characterizing a hydrothermal system in the Upper Rhine Rift Valley
- XL88 EGU2012-4310
I. Ghergut, H. Behrens, S. Karmakar, and M. Sauter
 Single-well tracer push-pull test sensitivity w. r. to fracture aperture and spacing
- XL89 EGU2012-4038
I. Ghergut, H. Behrens, S. Karmakar, T. Licha, M. Nottebohm, and M. Sauter
 Tracer-based prediction of thermal reservoir lifetime: scope, limitations, and the role of thermosensitive tracers
- XL90 EGU2012-6142
I. Ghergut, H. Behrens, E. Holzbecher, R. Jung, M. Sauter, and T. Tischner
 Single-well tracer test sensitivity w. r. to hydrofrac and matrix parameters (case study for the Horstberg site in the N-German Sedimentary Basin)
- XL91 EGU2012-5367
W. Růhaak, K. Bär, and I. Sass
 Estimating the subsurface temperature of Hessen/Germany based on a GOCAD 3D structural model - a comparison of numerical and geostatistical approaches
- XL92 EGU2012-13820
 G. Montegrossi, **B. Inversi**, D. Scrocca, M. Livani, and L. Petracchini
 Characterization of medium enthalpy geothermal system in the Campania region (southern Italy): from geological data to resource modelling
- XL93 EGU2012-13827
E. Holzbecher and F. Maier
 Single-Well Injection-Withdrawal Experiments for Ground Flow Estimation
- XL94 EGU2012-14244
M. Stibitz, H. Jirakova, and V. Frydrych
 Low-Enthalpy Geothermal Potential of the Czech Republic with Particular Focus on Waters of Metalliferous Mining Districts in Crystalline Structures of the Bohemian Massif

SSP1.2 – Reef and carbonate platform response to sea-level and environmental changes – Orals

Convener: G. Camoin | Co-Conveners: J. Webster, J. P. Navarro, I. Jarvis

Room: 41

Chairperson: G. CAMOIN

- 08:30–08:45 EGU2012-1008
M. Lankarani, A. Amini, and R. Swennen
 The Stratigraphy of the Aquitanian-Burdigalian Asmari Formation of Lorestan Sub-Basin, Iran: an Inclusive Study
- 08:45–09:00 EGU2012-3660
 H. Eltom, M. Makkawi, and **O. Abdullatif**
 Characterization of Porosity and Permeability of the Upper Jurassic Arab-D Carbonate Reservoir Using 3D Outcrop Analog, Central Saudi Arabia
- 09:00–09:15 EGU2012-620
 B. Pierson, **D. Menier**, K.K. Ting, and A. Chalabi
 Morphological indicators of growth stages in carbonates platform evolution: comparison between present-day and Miocene platforms of Northern Borneo, Malaysia.
- 09:15–09:30 EGU2012-3637
O. Abdullatif and M. Yassin
 Facies Modeling of of Dam and Hofuf Formations: Outcrop Analog of Mixed Carbonate and Siliciclastic (Miocene-Pliocene) Succession, Eastern Saudi Arabia
- 09:30–09:45 EGU2012-1819
L. Gale, A. Šmuc, T. Kolar-Jurkovšek, D. Skaberne, B. Celarc, J. ?ar, and B. Roži?
 Norian-Rhaetian sedimentary evolution of the Slovenian Basin (eastern Southern Alps)

- 09:45–10:00 EGU2012-13294
S.J. Barrett and J. Webster
 3D numerical modelling of the Holocene evolution of One Tree Reef, Southern Great Barrier Reef:
 Implications for understanding the growth and architecture of coral reefs

SSP1.2 – Reef and carbonate platform response to sea-level and environmental changes – Posters

Convener: G. Camoin | Co-Conveners: J. Webster, J. P. Navarro, I. Jarvis

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: G. CAMOIN

- A303 EGU2012-838
A. Zaitsev
 Microfacies of the Billingen-Aseri (Lower-Middle Ordovician) carbonate deposits northwest of the Russian Platform
- A304 EGU2012-4254
S.-H. Bae, D.-C. Kim, G.-S. Lee, H.-I. Yi, and H.-G. Cho
 Sequence stratigraphy of the late Quaternary deposits in the central Yellow Sea
- A305 EGU2012-2922
F. Bastide, G. Massonnat, K. Föllmi, T. Adatte, T. Dumont, A. Arnaud-Vanneau, A. Virgone, and H. Arnaud
 Urgonian platform carbonates (Barremian-Early Aptian) of southeastern France: description of a new project and first data
- A306 EGU2012-1905
 N Marquez and **J Kasper**
 Preliminary geochemical results of corals from the Puerto Morelos Reef, Southeastern Mexico
- A307 EGU2012-6682
A. Ortega-Nieto and J. Urrutia-Fucugauchi
 Cenozoic Carbonate Stratigraphy of the Yucatan Shelf, Southern Gulf of Mexico
- A308 EGU2012-13922
R. M. C. Maia, A. T. Dos Reis, C. Gorini, C. G. Silva, M. Rabineau, and D. Granjeon
 Shelf-edge sedimentary systems off Rio de Janeiro State, northern Santos basin-Brazil
- A309 EGU2012-3303
S. W. Lokier, T. Onuma, and H. Hamada
 Geomorphological evolution of the dynamic Abu Dhabi coastline
- A310 EGU2012-6583
A. Garcia-Avedaño and J. Urrutia-Fucugauchi
 Lithological and Petrographic Analyses of Carbonates and Sandstones From the Southern Gulf of Mexico

SSP2.2 – Palaeozoic global sea level: linking stratigraphy, bioevents, and the stable isotope record – Orals

Convener: Dr Žigaitė | Co-Conveners: D. Ray, T. Vandenbroucke

Room: 41

Chairperson: Dr. Zivile Zigaite

- 10:30–10:45 EGU2012-10128
H. A. Armstrong and B. R. Turner
 A glimpse of ice sheets in the Early Palaeozoic greenhouse world
- 10:45–11:00 EGU2012-5237
A. Dronov
 Ordovician of the Siberian Platform: sea-level and long-term lithological changes
- 11:00–11:15 EGU2012-13528
D.A.T. Harper, C.M.Ø. Rasmussen, A. Munnecke, J. Jin, S. Stouge, and J.A. Rasmussen
 Transgressive-regressive events and facies through the Upper Ordovician - Lower Silurian of Peary Land, North Greenland
- 11:15–11:30 EGU2012-6736
A. Desrochers, D.G.F. Long, and J.-F. Ghiene
 Changes in the Style of Neritic Carbonate Production in the Tropics during the End-Ordovician Hirnantian Glaciation : atypical limestone facies from the Anticosti succession, eastern Canada
- 11:30–11:45 EGU2012-12693
G. Niedzwiedzki
 Devonian Terrestrial Revolution: the palaeoenvironment of the oldest known tetrapod tracks, Zache?mie Quarry, Poland

11:45–12:00 EGU2012-11887

C.E. Bennett, T.R.A. Vandenbroucke, M. Williams, M.J. Leng, R.A. Fortey, A.W. Owen, C. Torney, A.A. Page, J.E. Andrews, A. Munnecke, M. López Correa, and H.A. Armstrong
A new Ordovician sea surface temperature proxy: the eyes of pelagic trilobites

SSP2.2 – Palaeozoic global sea level: linking stratigraphy, bioevents, and the stable isotope record – Posters

Convener: Dr Žigait? | Co-Conveners: D. Ray, T. Vandenbroucke

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Dr. Thijs R. A. Vandenbroucke

A311 EGU2012-3193

GL Albanesi, SM Bergström, B Schmitz, F Serra, NA Feltes, and GG Voldman
The Middle Darriwilian (Middle Ordovician) $\delta^{13}\text{C}$ isotopic event (MDICE) recognized in the Argentine Precordillera

A312 EGU2012-11543

H. Blom and Ž. Žigait?
New thelodont findings from the Lower Devonian Andrée Land Group, Spitsbergen

A313 EGU2012-9506

J. R. Davies, R. A. Waters, S. G. Molyneux, M. Williams, J. A. Zalasiewicz, T. R. A. Vandenbroucke, and J. Verniers

A record of early Silurian glacioeustacy from the Type Llandovery

A314 EGU2012-5251

E. Lukševičs and ?. Stinkulis
Sea-level changes and the Middle-Upper Devonian sequence in the Baltic basin

A315 EGU2012-11247

O. Lehnert, G. Meinhold, S.M. Bergström, M. Calner, J.O.R. Ebbestad, S. Egenhoff, Å.M. Frisk, A.E.S. Högström, and J. Maletz
The Siljan Ring in central Sweden - a window into the Palaeozoic history of Baltoscandia

A316 EGU2012-11362

O. Lehnert, M. Calner, P. Ahlberg, and D.A. Harper
Multiple palaeokarst horizons in the Lower Palaeozoic of Baltoscandia challenging the dogma of a deep epicontinental sea

A317 EGU2012-705

K.M Mehlqvist and V.V Vajda
Palynofacies analysis of Upper Silurian deposits from Sweden - Palaeoenvironmental implications

A318 EGU2012-13420

S. Radzevičius and A. Ekleris
The preliminary data on the Aeronian (Silurian) machaerids from Lithuania (Baltic Basin)

A319 EGU2012-8231

R. Sansom and P. Donoghue
Patterns, processes and geological biases in the fossil record of jawless vertebrates at the time of jawed vertebrate origins

A320 EGU2012-9072

A. Spiridonov and A. Brazauskas
Patterns of conodont extinction selectivity during Ireviken event (Lower Silurian), example from Eastern Baltic basin

A321 EGU2012-4911

P. Szrek, **G. Niedźwiedzki**, and M. Dec
The Lower Devonian marginal-marine ecosystems of the Holy Cross Mountains, Poland - new discoveries and observations

A322 EGU2012-11794

T. R. A. Vandenbroucke, A. Munnecke, M. J. Leng, T. Bickert, O. Hints, G. Maier, and T. Servais
A comparison of the organic carbon isotope composition of whole rock with that of isolated palynomorph groups (chitinozoans and scolecodonts) from the early Silurian of Gotland

A323 EGU2012-3238

G.G. Voldman, G.L. Albanesi, G. Ortega, C.R. Monaldi, F.J. Zeballo, and M.E. Giuliano
Biostratigraphy of the Santa Rosita Formation (Furongian-Tremadocian) in its type area, Eastern Cordillera, NW Argentina

A324 EGU2012-9687

Ž. Žigait?
Do fossil vertebrate biominerals hold the key to the Palaeozoic climate?

A325 EGU2012-9873

Ž. Žigait?, B. Kear, A. Pérez-Huerta, T. Jeffries, and H. Blom
REE compositions in fossil vertebrate dental tissues indicate biomineral preservation

- A326 EGU2012-10028
Ž. Žigait?, H. Blom, and D. Goujet
 Thelodont biostratigraphy in the Lower-Middle Devonian palaeobasin of Svalbard, Norwegian Arctics

SSP4.2 – Palaeoclimate records from speleothems: analytical techniques, proxies, and application (sponsored by IAS) – Orals

Convener: D. Scholz | Co-Conveners: D. Hoffmann, H. Stoll

Room: 41

Chairperson: Denis Scholz

- 13:30–13:45 EGU2012-12624
H.B. Vonhof and A.J. Nederbragt
 Fluid inclusion stable isotope analysis in speleothem calcite as a tool for paleoclimate reconstruction
- 13:45–14:00 EGU2012-6116
A. Matthews, M. Bar-Matthews, H.P. Affek, A. Ayalon, H.B. Vonhof, S. Zaarur, and Y. Burstyn
 Fluid inclusion stable isotopes and clumped isotopes thermometry study of Eastern Mediterranean paleoclimate
- 14:00–14:15 EGU2012-2151
T. Kluge, S. Zaarur, J. Dublyansky, C. Spötl, and H.P. Affek
 Insights into kinetic isotope fractionation in calcite using clumped isotopes in Devils Hole
- 14:15–14:30 EGU2012-10907
N. Vogel, Y. Scheidegger, M.S. Brennwald, D. Fleitmann, S. Figura, R. Wieler, and R. Kipfer
 Noble gas paleotemperatures and water contents of stalagmites - a new extraction tool and a new paleoclimate proxy
- 14:30–14:45 EGU2012-2863
D. Rudzka and F. McDermott
 The¹⁴C 'bomb' pulse in selected European stalagmites as a tracer of soil carbon cycling dynamics
- 14:45–15:00 EGU2012-4735
S. Riechelmann, D. Buhl, D.K. Richter, A. Schröder-Ritzrau, D.F.C. Riechelmann, A. Niedermayr, H.B. Vonhof, J. Wassenburg, and A. Immenhauser
 Speleothem Mg-isotope time-series data from different climate belts

Chairperson: Heather Stoll

- 15:30–15:45 EGU2012-7124
C. Spötl and Y. Dublyansky
 Devils Hole, Nevada: revisited
- 15:45–16:00 EGU2012-8206
R. Drysdale, I. Couchoud, G. Zanchetta, J. Hellstrom, E. Regattieri, I. Isola, and I. Baneschi
 Decoupling between the tropics and the mid- to high-latitude North Atlantic region during Marine Isotope Stage 7
- 16:00–16:15 EGU2012-13311
I. John, S. Burns, H. Cheng, L. Edwards, W. McCoy, S. Markovic, and W. Endlicher
 Marine Isotope Stage 5 Climate Variability in the Central Balkan Peninsula
- 16:15–16:30 EGU2012-4632
A. Fankhauser, F. McDermott, D. Fleitmann, and D.L. Hoffmann
 Rapid response of climatic conditions during the last glacial: evidence from U-series dated Irish speleothems
- 16:30–16:45 EGU2012-10725
H. Ridley, J.U.L. Baldini, C.G. Macpherson, K.M. Prufer, D.J. Kennett, and Y. Amserom
 Monthly-scale palaeo-rainfall reconstructed using a Belizean stalagmite.
- 16:45–17:00 EGU2012-1627
L. Comas-Bru, F. McDermott, and D. Fleitmann
 A 1,000 year annually resolved record of speleothem $\delta^{18}O$ from Northern Spain; a potential new proxy for North Atlantic Oscillation (NAO) index reconstruction

SSP4.2 – Palaeoclimate records from speleothems: analytical techniques, proxies, and application (sponsored by IAS) – Posters

Convener: D. Scholz | Co-Conveners: D. Hoffmann, H. Stoll

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Dirk Hoffmann

- A327 EGU2012-715
H. Green, J Wood, R Pickering, J Hellstrom, R Drysdale, and J Hergt
Exploring the potential of speleothem palaeoclimate records from S.E. Australia
- A328 EGU2012-5351
P. van Beynen, **D Ford**, and H. Schwarcz
Annual laminae as measured using fluorescence in historic stalagmites from Baradla Cave, Aggtelek National Park, Hungary.
- A329 EGU2012-5625
H. Rowe, J. Buckles, Y. Gao, G. Springer, H. Cheng, R.L. Edwards, and B. Hardt
Resolving Global-Scale Climate Changes in Stalagmites from Eastern North America: A Focus on MIS 5 through 3
- A330 EGU2012-5825
J. Buckles, H. Rowe, Y. Gao, H. Cheng, R.L. Edwards, G. Springer, and B. Hardt
Trace element and stable isotope variations in three coeval West Virginia speleothems spanning the LGM and Younger Dryas
- A331 EGU2012-5869
J. Buckles, H. Rowe, Y. Gao, H. Cheng, R.L. Edwards, G. Springer, and B. Hardt
A new technique for trace elemental analysis of speleothems using microbeam xrf
- A332 EGU2012-6305
H. Stoll, W. Muller, and M. Prieto
Deciphering annual and long term trace element cycles in speleothems using cave monitoring and simple models
- A333 EGU2012-7226
S. Brandstätter, W. Müller, R. Boch, and C. Spötl
Trace element patterns across rapid climate change events in Pleistocene speleothems from caves in the Alps
- A334 EGU2012-6806
J. Urrutia-Fucugauchi, L. Perez-Cruz, X. Zhao, M. Rebolledo-Vieyra, and A. Rodriguez
Preliminary Geochemical and Rock Magnetic Study of a Stalagmite From Quintana Roo, Northeastern Yucatan Peninsula
- A335 EGU2012-8272
R. Drysdale, B. Paul, J. Hellstrom, I. Couchoud, A. Greig, P. Bajo, G. Zanchetta, I. Isola, C. Spötl, I. Baneschi, E. Regattieri, and J. Woodhead
Precise microsampling of poorly laminated speleothems for U-series dating
- A336 EGU2012-8621
Y. Kayama, S. Sakai, and K. Okamoto
Reconstruction of paleoclimate using stalagmite on Ishigaki-Island, Japan
- A337 EGU2012-8685
J. Bosle, D. Scholz, and T. Hoffmann
Chemical characterization of lipids in speleothems and cave drip water by organic trace analysis (HPLC-ESI-IT/MS) and its potential for the investigation of palaeoenvironmental changes
- A338 EGU2012-8734
A. Moreno, **M. Bartolomé**, C. Sancho, Á. Belmonte, H. Stoll, I. Cacho, R. L. Edwards, and J. Hellstrom
Climate variability during the Holocene inferred from northeastern Iberian speleothems
- A339 EGU2012-9621
T. Marx and W. Aeschbach-Hertig
Challenges on the way to noble gas temperatures on speleothems
- A340 EGU2012-9999
T.E. Horsfield, M. Rogerson, G.M. Henderson, E.J. Rohling, A. Mihevc, M. Budja, M. Prelovsek, T.J. Coulthard, and G.M. Greenway
A High-Resolution, Multi-Proxy Palaeoclimate Study of the Central Northern Mediterranean
- A341 EGU2012-10425
M. Luetscher, D.L. Hoffmann, W. Müller, and C. Spötl
The 8.2 ka event in the northern Alps
- A342 EGU2012-7288
S. Dietrich, M. Werner, and G. Lohmann
Influence of the Solar Activity on the Variability of Water Isotopes over Europe during the Late Holocene
- A343 EGU2012-7290
H. Hercman and J. Pawlak
MOD-AGE - an algorithm for age-depth model construction; U-series dated speleothems case study
- A344 EGU2012-7676
B. Goswami, J. Heitzig, K. Rehfeld, N. Marwan, and J. Kurths
The problem of calibration: A possible way to overcome the drawbacks of age models
- A345 EGU2012-9064
H.-C. Li, P. C. Chu, and C. W. Fan
Speleothem Evidence for Temporal-Spatial Variation in East Asian Summer Monsoon since Medieval Warm Period

A346 EGU2012-10592

D. Ballesteros, M. Jiménez-Sánchez, S. Giralt, J. García-Sansegundo, and G. Sendra
Shaft speleogenesis in Picos de Europa (North Spain): contribution of cave geomorphological mapping and U-Th dating techniques

TS5.1/GD4.3 – Rifted margins and onshore analogues: mechanisms of deformation, sedimentation, and magmatism (co-listed) – Orals

Convener: G. Peron-Pinvidic | Co-Conveners: J. Autin, G.D. Karner, G. Manatschal, P. T. Osmundsen

Room: 12

Chairperson: J. Autin, P.T. Osmundsen

08:30–08:45 EGU2012-4355

D. Franke

Rifting and volcanism: Examples from volcanic rifted and magma-poor margins based on multichannel seismic data

08:45–09:00 EGU2012-1666

H. Schmeling and H Wallner

The role of melt induced lithospheric weakening on the dynamics of continental rifting

09:00–09:15 EGU2012-3886

G. Manatschal and G.D. Karner

Inter-relationship between the Tectonic and Magmatic Evolution of Hyper-extended Margins and Break-up

09:15–09:30 EGU2012-552

J.D. Eccles, R.S. White, and P.A.F. Christie

North Atlantic Margins: Case studies of Magmatic Continental Breakup

09:30–09:45 EGU2012-4862

S. Brune and C Heine

Numerical Models of Multi-Velocity Rift Evolution

09:45–10:00 EGU2012-8851

R. S. Huismans and C. Beaumont

Depth-dependent extension, two-stage breakup and depleted lithospheric counterflow at rifted margins

COFFEE BREAK

Chairperson: J. Autin, G. Manatschal

10:30–10:45 EGU2012-1564

T. Redfield and P.T. Osmundsen

Crustal thinning and tectonic geomorphology: redefining the passive margin

10:45–11:00 EGU2012-10008

E. Masini, G. Manatschal, G. Mohn, and J. Tugend

Tectono-sedimentary processes at hyper-extended rifted margins: the Alpine and Pyrenean analogues

11:00–11:15 EGU2012-2036

T.B. Andersen, F. Corfu, L. Labrousse, and P.T. Osmundsen

Evidence for hyper - extension in the Pre-Caledonian continental margin of Baltica

11:15–11:30 EGU2012-1756

L. Jolivet, C. Gorini, F. Bache, J. Smit, and S. Leroy

Continental Break-up and the dynamics of rifting in backarc basins : the Gulf of Lions margin

11:30–11:45 EGU2012-13065

C. R. Ranero, V. Sallarés, I. Grevenmeyer, N. Zitellini, M. Guzman, M. Prada, S. Moeller, R. de Franco, and T h e MEDOC Cruise Party

Rifting of the Tyrrhenian Basin, a complex interaction among faulting , magmatism and mantle exhumation.

11:45–12:00 EGU2012-7638

D. Savva, F. Meresse, M. Pubellier, N. Chamot-Rooke, D. Franke, S. Steuer, F. Sapin, and J.L. Auxietre

Seismic evidence for hyper-stretched crust and mantle exhumation offshore Vietnam.

TS5.1/GD4.3 – Rifted margins and onshore analogues: mechanisms of deformation, sedimentation, and magmatism (co-listed) – Posters

Convener: G. Peron-Pinvidic | Co-Conveners: J. Autin, G.D. Karner, G. Manatschal, P. T. Osmundsen

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: J.Autin, G.Manatschal, P.T.Osmundsen

- A423 EGU2012-9058
N. Stanton, G. Manatschal, M. Maia, A. Viana, J. Tugend, and J. Autin
What are the Geophysical Fingerprints of hyper-extended Crustal Domains ?
- A424 EGU2012-9753
L. Jeannot, N. Kusznir, and G. Manatschal
How does the lithosphere deformation mode during continental breakup affect mantle exhumation and subsidence history?
- A425 EGU2012-628
D. Cukur, S. Horozal, G.H. Lee, D.C. Kim, and H.C. Han
The distribution and characteristics of the igneous complexes in the northern East China Sea shelf basin and their implications for hydrocarbon potential
- A426 EGU2012-2065
I.D. Bastow and D. Keir
The Protracted Development of the Continent-Ocean Transition in Afar
- A427 EGU2012-5381
G. Corti, M. Philippon, F. Sani, and D. Keir
Stress and slip partitioning during oblique rifting: comparison between data from the Main Ethiopian Rift and laboratory experiments
- A428 EGU2012-5512
G. Corti, F. Sani, S. Agostini, M. Philippon, D. Sokoutis, E. Willingshofer, and T. Abebe
Quaternary volcano-tectonic activity of the western rift margin in the Soddò region, southern Main Ethiopian Rift
- A429 EGU2012-6354
C. Baurion, C. Gorini, S. Leroy, F. Lucazeau, and S. Migeon
Evolution of post-rift sediment transport on a young rifted margin : Insights from the eastern part of the Gulf of Aden
- A430 EGU2012-9285
J. Robinet, P. Razin, J. Serra Kiel, A. Gallardo Garcia, C. Grelaud, J. Roger, S. Leroy, and M. Malaval
Oligo-Miocene syn-rift and Miocene post-rift sedimentary records: the tectono-stratigraphic development of the northern proximal margin of the Gulf of Aden
- A431 EGU2012-7219
J. Autin, N. Bellahsen, S. Leroy, M.-O. Beslier, E. d'Acremont, and L. Husson
Analogue models of oblique rifting in a pre-structured lithosphere
- A432 EGU2012-4311
G. Peron-Pinvidic and L. Gernigon
Spatial and temporal reconstruction of the Norwegian-Greenland Sea: insights from the Jan Mayen system
- A433 EGU2012-7974
M. Block, C. Reichert, K. Berglar, M. Schnabel, F. Klingelhoefer, and P. Schnurle
The ocean-continent transition along the NW Moroccan margin - A new insight
- A434 EGU2012-8937
A. Quiquerez, P. Allemand, S. Sarih, and J-P Garcia
Tectono-sedimentary history of the Early Liassic basins of the Central High Atlas (Morocco)
- A435 EGU2012-8987
A. M. Baracco, C.R. Ranero, N.G. Direen, and H. Stagg
Tectonic structure of the continent-ocean transition along two conjugate profiles from South Australian and East Antarctic magma-poor rifted margins.
- A436 EGU2012-9012
B. Petri, G. Mohn, G. Manatschal, J. Wijbrans, and K. Schulmann
Formation and exhumation of Permian granulites: case study from the polyphase Campo Unit (Central Alps)
- A437 EGU2012-5463
D. Roberts, S. Chand, and L. Rise
A concealed half-graben along the Trollfjorden-Komagelva Fault Zone in Varangerfjorden, N.Norway: a new element in the fault reactivation story
- A438 EGU2012-9831
C. Clerc, A. Chauvet, Y. Lagabrielle, J.-Y. Reynaud, P. Boulvais, R. Bousquet, A. Lahfid, A. Vauchez, and S. Mahé
From crustal thinning to mantle exhumation: what the Pyrenean breccia formations tell us.
- A439 EGU2012-7495
P. T. Osmundsen, A. Braathen, and H. Maher
The geology of Svalbard: structural, stratigraphic and geomorphic response to the formation of two passive margins

- A440 EGU2012-11017
V.H. Pinto, G. Manatschal, A. Viana, A.M. Karpoff, E. Masini, P. Szatmari, H. Penteadó, A. Svartman, and D. Lemarchand
Fluids in hyper-extended rifted margins: Examples from the paleomargins in the eastern Alps and west Pyrenees and present-day Iberia rifted continental margin.
- A441 EGU2012-3760
J. Tugend, G. Manatschal, N. J. Kuszniir, E. Masini, and I. Thinon
What is the crustal architecture of hyper-extended domains at rifted continental margins: The Bay of Biscay-Western Pyrenees example
- A442 EGU2012-5984
A. M. Baracco and C.R. Ranero
The continent-ocean transition of the south west Iberia margin imaged on re-processed multichannel seismic data
- A443 EGU2012-6416
C. Baurion, S. Zaragosi, C. Gorini, S. Leroy, F. Lucazeau, and S. Migeon
Turbidite system architecture and recent sedimentary processes along the Northern margin of the eastern Gulf of Aden
- A444 EGU2012-6724
T.-K. Hong, H. Choi, and Y. Lee
Paleo-rifted margin and its neo-seismotectonic evolution: a case study for the Korean Peninsula
- A445 EGU2012-10440
V. Sallarès, S. Martinez-Loriente, M. Prada, A. Gailler, M.-A. Gutscher, R. Bartolome, and E. Gracia
Thrusting between exhumed mantle blocks at the Gorringer Bank (SW Iberian margin): Evidence from combined seismic and gravity modeling
- A446 EGU2012-13867
M. Nemcok, A. Henk, R. Allen, P.J. Sikora, and C. Stuart
Continental break-up along strike-slip fault zones; observations from Equatorial Atlantic.

Tuesday, 24 April

CL5.11 – EuroFORUM 2012: Major achievements and perspectives in scientific ocean and continental drilling (co-listed) – Orals

Convener: C. Escutia | Co-Conveners: U. Röhl, U. Harms, T. Wiersberg, R. Stein

Room: 16

Chairperson: n.n.

- 13:30–13:45 EGU2012-2847
J. Inwood, S. Morgan, A. Mcgrath, S. Davies, H. Foster, and J. Lofi
 Characterization of New Jersey Shelf Sedimentation using geochemical and physical properties: IODP Expedition 313
- 13:45–14:00 EGU2012-7352
T. Wiersberg, M.-L. Doan, A. M. Schleicher, K. Horiguchi, N. Eguchi, and J. Erzinger
 In situ gas concentrations in the Kumano forearc basin from drilling mud gas monitoring and sonic velocity data (IODP NanTroSEIZE Exp. 319 Site C0009)
- 14:00–14:15 EGU2012-9834
T. Litt, F. S. Anselmetti, M. N. Cagatay, R. Kipfer, S. Krastel, H.-U. Schmincke, and M. Sturm
 A 500,000-Year-Long Sediment Archive of Lake Van in Eastern Anatolia
- 14:15–14:30 EGU2012-9841
 S. Goldstein, **M. Stein**, Z. Ben-Avraham, A. Agnon, D. Ariztegui, A. Brauer, G. Haug, E. Ito, H. Kitagawa, A. Torfstein, and Y. Yasuda
 Extreme Dead Sea drying event during the last interglacial from the ICDP Dead Sea Deep Drill Core
- 14:30–14:45 EGU2012-13385
W. Clyde, S. Wing, P. Gingerich and the BBCP Science Team
 Bighorn Basin Coring Project (BBCP): High-Resolution Continental Records of Early Paleogene Hyperthermals
- 14:45–15:00 EGU2012-1824
R. Stein, B. Coakley, N. Mikkelsen, M. O'Regan, and C. Ruppel
 Future scientific drilling in the Arctic Ocean: Key objectives, areas, and strategies
- Chairperson: R. Stein, U. Harms
- 15:30–15:45 EGU2012-7682
T. Andrén, A. Bitinas, S. Björck, E. Emelyanov, J. Harff, M. Houmark-Nielsen, M. Jakobsson, J.B. Jensen, B.B. Jørgensen, A. Kotilainen, K.L. Knudsen, K. Lambeck, M. Moros, V. Spiess, S. U?cinowicz, S. Veski, and V. Zelchs
 The Baltic Sea IODP project "Paleoenvironmental evolution of the Baltic Sea Basin through the last glacial cycle"
- 15:45–16:00 EGU2012-8958
C. Betzler, C. Hübscher, T. Lüdmann, J. Reijmer, G. Eberli, D. Kroon, A. Droxler, M. Tiwari, and E. Gischler
 The Neogene monsoon and oceanic currents in the Indian Ocean: The Maldives archipelago.
- 16:00–16:15 EGU2012-5807
C. Juhlin, D.G. Gee, H. Lorenz, C. Pascal, K. Pedersen, and C.-F. Tsang
 > Exploring the Scandinavian Mountain Belt by Deep Drilling (COSC)
- 16:15–16:30 EGU2012-7104
C Mevel, R Gatliff, J Ludden, G Camoin, B Horsfield, and A. Kopf
 Towards a distributed infrastructure for research drilling in Europe
- 16:30–16:45 EGU2012-12592
B. Esmael, R. Fruhwirth, A. Arnaout, and G. Thonhauser
 Operations Recognition at Drill-Rigs
- 16:45–17:00 EGU2012-14018
H.-J. Wallrabe-Adams, M. Diepenbroek, H. Grobe, R. Huber, U. Schindler, and J. Collier
 IODP Scientific Earth Drilling Information Service

CL5.11 – EuroFORUM 2012: Major achievements and perspectives in scientific ocean and continental drilling (co-listed) – Posters

Convener: C. Escutia | Co-Conveners: U. Röhl, U. Harms, T. Wiersberg, R. Stein

Hall Z | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: C. Escutia

- Z105 EGU2012-11635
T. Westerhold, M. Lyle, H. Pälike, U. Röhl, and R. Wilkens
Middle to Late Eocene Carbonate Accumulation Events in the Equatorial Pacific - new geochemical records from IODP Exp 320/321 and ODP Leg 199
- Z106 EGU2012-5892
I. Neugebauer, A. Brauer, M.J. Schwab, U. Frank, P. Dulski, N. Waldmann, Y. Enzel, D. Ariztegui, E. Hadzhiivanova, and DSDDP Scientific Party
The ICDP Dead Sea Deep Drilling Project: An overview and the potential for high-resolution records of floods and droughts in the Levant
- Z107 EGU2012-14264
J Hernandez-Molina, D. Stow, C. Alvarez-Zarikian and the Expedition 339 Scientists Team
Onset, evolution and effects of the Mediterranean Outflow: Preliminary Results of IODP Expedition 339 in the Gulf of Cadiz
- Z108 EGU2012-6207
M. Schreck, J. Matthiessen, and **R. Stein**
The Neogene of the Iceland Sea - Paleoenvironmental reconstructions using marine palynomorphs
- Z109 EGU2012-6718
K. Katsuki, B.K. Khim, and B. Song
Latest Miocene and Pliocene paleoceanographic condition in the Southern Ocean based on silicoflagellate assemblage
- Z110 EGU2012-12680
J.J. Gonzalez, **C Escutia**, F.J. Espejo, T Williams, R.M. McKay, S. Passhier, T. van de Flierdt, L. Tauxe, H. Brinkhuis and the Carlota Escutia Team
Records of glacial-interglacial variability during the Pliocene: IODP Expedition 318 - Site U1361
- Z111 EGU2012-12607
M. Kobayashi, **M. Iwai** and the Expedition 318 Scientists Team
Upper Miocene-Pliocene diatoms in the Southern Ocean: IODP Site U1361 on the continental rise off Wilkes Land, Antarctica
- Z112 EGU2012-14473
G.B. Dunbar
Mg/Ca sea surface temperatures during the Marine Isotope Stage 31 collapse of the Ross Ice Shelf
- Z113 EGU2012-7650
B.D.A. Naafs, J Heffer, P Ferretti, R Stein, and G.H. Haug
Sea surface temperatures did not control the first occurrence of Hudson Strait Heinrich Events during MIS 16
- Z114 EGU2012-9427
C Ohlendorf, C Gebhardt, and the PASADO Science team
A step towards the identification of eolian input in the 51 ka BP sediment record of Laguna Potrok Aike in southeastern Patagonia
- Z115 EGU2012-12857
A. Fehr, R. Pechnig, J. Inwood, J. Lofi, F.P. Bosch, and C. Clauser
Thermophysical properties derived from lab measurements and downhole logging at New Jersey Shallow Shelf (IODP Expedition 313)
- Z116 EGU2012-9581
M. Python, L. France, B. Abily, N. Abe, J.C. Alt, M.M. Godard, B. Ildefonse, J.H. Koepke, M.D. Kurtz, R. Oizumi, B.D. Payot and the Exp. 335 Science Party Team
Petrographical and geochemical characteristics of the sheeted dyke-gabbro transition zone in ODP/IODP Hole 1256D
- Z117 EGU2012-6976
N. T. Arndt and the Barberton Drilling Team
Peering into the Cradle of Life: Scientific Drilling in the Barberton Greenstone Belt, South Africa
- Z118 EGU2012-3228
J. Trela, **E.C. Ferré**, J. Deans, R. Anma, A. Morris, and Expedition 335 Scientific Party
Shape-preferred orientation (SPO) of oceanic gabbros at IODP Hole 1256D: Implications for magmatic processes
- Z119 EGU2012-12550
A. Rüggeberg, A. Foubert, A. Vertino, D. Van Rooij, S. Spezzaferri, J.-P. Henriot, W.-C. Dullo, and COCARDE Science Community
COCARDE: new view on old mounds - an international network of carbonate mound research
- Z120 EGU2012-9416
C. Gebhardt, L. Naudts, L. De Mol, and M. De Batist
Seismic investigation of Lake Issyk-Kul, Kyrgyzstan
- Z121 EGU2012-7644
H. Lorenz and C. Juhlin
The Swedish Deep Drilling Program - projects and status 2012

- Z122 EGU2012-6463
A. Kopf, S. Hammerschmidt, E. Davis, D. Saffer, G. Wheat, A. LaBonte, R. Meldrum, M. Heesemann, H. Villinger, T. Freudenthal, V. Ratmeyer, J. Renken, M. Bergenthal, and G. Wefer
 Simple, Affordable and Sustainable Borehole Observatories for Complex Monitoring Objectives
- Z123 EGU2012-7379
 J.-E. Rosberg and **H. Lorenz**
 A new scientific drilling infrastructure in Sweden
- Z124 EGU2012-12985
M. Rothfuss, E. Anders, W. H. Müller, T. Rothenwänder, and D. Wunsch
 New tools and applications for the retrieval of cores under in situ pressure
- Z125 EGU2012-12209
A. Arnaout, R. Fruhwirth, M Winter, B. Esmael, and G. Thonhauser
 Model-Based Hookload Monitoring and Prediction at Drilling Rigs using Neural Networks and Forward-Selection Algorithm
- Z126 EGU2012-1789
S Tavakoli, S. Poslad, R Fruhwirth, and M. Winter
 Using Real-time Event Tracking Sensitivity Analysis to Overcome Sensor Measurement Uncertainties of Geo-Information Management in Drilling Disasters
- Z127 EGU2012-9363
 B. Jandl, M. Winter, R. Fruhwirth, F. Riedel, and **H. Zeiner**
 Rig Side Online Drilling Support System for Prediction and Prevention of Upcoming Crises
- Z128 EGU2012-8501
K. Behrends and R. Conze
 Science Data Management for a CO₂-Sequestration project

SSP4.1 – Walking on sunshine - Was human migration affected by past climate changes? – Orals

Convener: F.A. Viehberg | Co-Conveners: Klaus Reicherter, Schäbitz, J. M. Le Tensorer, F. Lehmkuhl, F. Wegmüller

Room: 41

Chairperson: Viehberg, Schäbitz, Le Tensorer

- 13:30–13:45 EGU2012-4541
J.F. Donges, R.V. Donner, M.H. Trauth, N. Marwan, H.J. Schellnhuber, and J. Kurths
 Nonlinear detection of paleoclimate-variability transitions possibly related to human evolution
- 13:45–14:00 EGU2012-2574
J.S. Compton
 Periodic isolation of the southern coastal plain of South Africa and the evolution of modern humans over late Quaternary glacial to interglacial cycles
- 14:00–14:15 EGU2012-11783
A.W. Kandel, M. Bolus, A.A. Bruch, M.N. Haidle, C. Hertler, and M. Märker
 Increasing behavioral flexibility? New archaeological and ecological approaches to understanding the Howieson's Poort in Southern Africa
- 14:15–14:30 EGU2012-6659
M.-A. Courty, J.-M. Le Tensorer, E. Boëda, S. Muhesen, E. Alsakhel, and F. Wegmüller
 Palaeolithic use of fossil combustible linked to singular environmental conditions : the long term el Kowm record (Syria).
- 14:30–14:45 EGU2012-5372
R. Orain, V. Lebreton, E. Russo Ermolli, A.-M. Sémah, S. Nomade, Q. Shao, J.-J. Bahain, and C. Peretto
 Human environment and climate during the Middle Pleistocene in southern Italy (Boiano basin, Molise)
- 14:45–15:00 EGU2012-388
N. Rudaya, L. Nazarova, D. Papin, and D. Nourgaliev
 Middle-Late Holocene environmental history of Kulunda (Southwestern Siberia): vegetation, climate, humans

SSP4.1 – Walking on sunshine - Was human migration affected by past climate changes? – Posters

Convener: F.A. Viehberg | Co-Conveners: Klaus Reicherter, Schäbitz, J. M. Le Tensorer, F. Lehmkuhl, F. Wegmüller

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Reicherter, Lehmkuhl, Wegmüller

- A388 EGU2012-9173
N. Hamon, P. Sepulchre, C. Contoux, J.-J. Jaeger, and G. Ramstein
 Middle Miocene Hominoids dispersion and radiation: impact of climate and vegetation changes in Europe

- A389 EGU2012-13
A.A. Bruch, C. Sievers, and L. Wadley
 Quantification of climate and vegetation from Southern African Middle Stone Age sites - an application using Late Pleistocene plant material from Sibudu, South Africa
- A390 EGU2012-7700
V. Foerster, M.H. Trauth, A. Junginger, A. Asrat, H.F. Lamb, T. Gebru, V. Wennrich, M. Weber, J. Rethemeyer, N. Nowaczyk, U. Frank, M.C. Brown, and F. Schaebitz
 Wet feet or walking on sunshine? Reconstruction of wet-dry variations in the source region of modern man: the Chew Bahir project, southern Ethiopia
- A391 EGU2012-14329
F. Wegmüller, F.A. Viehberg, and J.-M. Le Tensorer
 The Palaeolithic site of Hummal and its potential for paleoclimatic reconstruction
- A392 EGU2012-12419
F.A. Viehberg, E. Damc?, U.B. Ülgen, P. Roeser, S.O. Franz, N. Ça?atay, T. Litt, and M. Melles
 Palaeoenvironmental changes in the Marmara region (Turkey) during late Pleistocene and Holocene. Implication for Neo- and Palaeolithic communities.
- A393 EGU2012-8461
K. Panagiotopoulos, A. Aufgebauer, F. Schäbitz, and B. Wagner
 Lake Prespa palaeoenvironment since the MIS 5: a continuous record from a mid-altitude site on modern human's way to Europe.
- A394 EGU2012-7625
N. Höbig, M.E. Weber, M. Kehl, G.-C. Weniger, R. Juliá, M. Melles, R.-H. Fülöp, H. Vogel, and K. Reicherter
 60 ka lacustrine record from Lake Banyoles (NE-Spain): Environmental change with respect to human occupation
- A395 EGU2012-4029
D. Faust and D. Wolf
 Latest Pleistocene and Holocene river dynamics of the Guadalete River (SW-Andalusia)
- A396 EGU2012-10280
J. A. Gomes, A. Ramos-Pereira, and J. Trindade
 Late Holocene evolution of the River Bensafrim estuary, Lagos (Portugal) - Gearchaeological remarks concerning geomorphological changings
- A397 EGU2012-8823
A. Kadereit, C.-J. Kind, and G.A. Wagner
 The Weichselian (Würmian) Pleniglacial chronology of the Nussloch loess section/Germany revisited. Implications for the matching of pedosedimentary units with Greenland stadial and interstadial periods.
- A398 EGU2012-14430
F. Turner, J.F. Tolksdorf, F. Viehberg, A. Schwarz, U. von Bramann, F. Bittmann, K. Kaiser, A. Schwalb, U. Staesche, K. Breest, R. Pott, and S. Veil
 Environmental transformations and cultural changes: A multidisciplinary case study for the Late Glacial and Final Palaeolithic from Northern Germany
- A399 EGU2012-488
T. Swierczynski, S. Lauterbach, P. Dulski, and A. Brauer
 Neolithic Mondsee Culture - Living on lakes and living with floods
- A400 EGU2012-8867
B. Mächtle, K. Schittek, M. Forbriger, F. Schäbitz, and B. Eitel
 A see-saw of pre-Columbian boom regions in southern Peru, determined by large-scale circulation changes
- A401 EGU2012-1738
W.-S. Chen and H.-C. Yang
 Shoreline changes of Taiwan since the Last Glacial Maximum

SSP4.10 – Larger foraminifera: biostratigraphy, biogeography and field applications (sponsored by PalAss) – Orals

Convener: A. Briguglio | Co-Conveners: M. Di Carlo

Room: 41

Chairperson: Massimo di Carlo, Antonino Briguglio

- 15:30–15:45 EGU2012-2901
J. Hohenegger
 Species as the basic units in evolution and biodiversity: How to define and delimit larger foraminiferal species in respect to paleogeography and biostratigraphy.
- 15:45–16:00 EGU2012-569
A. Benedetti
 Spiral growth in Nephrolepidina. Prodrome of Golden Selection
- 16:00–16:15 EGU2012-1654
M K BouDagher-Fadel
 The phylogenetic and palaeographic evolution of the miogypsinid larger benthic foraminifera

- 16:15–16:30 EGU2012-5583
M. R. Langer, A. E. Weinmann, D. Rödder, and S. Lötters
 Strangers in Paradise: The biogeographic range expansion of the foraminifera Amphistegina in the Mediterranean Sea
- 16:30–16:45 EGU2012-1639
P.K. Saraswati
 A review of shell isotopic composition as a proxy of palaeobiology of larger foraminifera
- 16:45–17:00 EGU2012-2490
A. E. Weinmann, D. Rödder, S. Lötters, and M. R. Langer
 Off to new shores: Modeling the potential distribution and future range expansion of larger foraminifera

SSP4.10 – Larger foraminifera: biostratigraphy, biogeography and field applications (sponsored by PalAss) – Posters

Convener: A. Briguglio | Co-Conveners: M. Di Carlo

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Antonino Briguglio, Massimo di Carlo

- A402 EGU2012-560
G. Merkado, S. Abramovich, U. Abdu, A. Almogi-Labin, J. Pawlowski, and M. Holzmann
 Breaking biogeographic barriers: Molecular and morphological evidences for the Lessepsian invasion of soritid foraminifers to the Mediterranean Sea
- A403 EGU2012-12275
W. Fabienke, A. Briguglio, and J. Hohenegger
 Volume quantification of *Cycloclypeus carpenteri* by microCT investigation
- A404 EGU2012-566
D. Evans, W. Müller, and W. Renema
 Quantitative 'deep-time' palaeoclimate reconstruction using large benthic foraminifera
- A405 EGU2012-683
V. Novak, W. Renema, and Throughflow-project
 Burdigalian turbid water patch reef environment revealed by larger benthic foraminifera
- A406 EGU2012-9021
E. Zakrevskaya
 The preliminary results of larger foraminifera analysis from the Paleocene-Early Eocene of Southern Yemen, based on museums collections
- A407 EGU2012-8475
C. Karnitschar, A. Briguglio, and J. Hohenegger
 Microfacies analysis of foraminifera rich sedimentary rocks from the Desert Plateau, central Egypt.
- A408 EGU2012-3560
E. Wolfgring, A. Briguglio, and J. Hohenegger
 Recipe Book for Larger Benthic Foraminifera X-ray Investigation: a Process Approach
- A409 EGU2012-10772
E. Costa, M. Garcés, M. López-Blanco, J. Serra-Kiel, G. Bernaola, L. Cabrera, and E. Beamud
 The Bartonian-Priabonian marine record of the Eastern South Pyrenean Foreland Basin (NE Spain): A new calibration of the larger foraminifers and calcareous nannofossil biozonations.
- A410 EGU2012-1380
C. Baumgartner-Mora
 Biochronology and palaeoenvironment of Cenozoic Circum-Caribbean Larger Foraminifera
- A411 EGU2012-134
R. Hosseinzadeh
 Late Oligocene-Early Miocene larger benthic foraminifera from the mixed siliciclastic-carbonate and reefal strata of Kharabeh Sanji stratigraphic section, NW Iran
- A412 EGU2012-520
M. seddighi and C. A. Papazzoni
 Middle and Upper Eocene nummulite banks of Northern Italy: common traits and differences
- A413 EGU2012-1969
A. Briguglio, W. Fabienke, E. Wolfgring, C. Ferrández Cañadell, and J. Hohenegger
 New insights to ecology, ontogeny and teratology of Larger Benthic Foraminifera by biometrics based on microCT.
- A414 EGU2012-5611
G. Less, B. Kertész, and E. Özcan
 Late Paleogene reticulate Nummulites of the Western Tethys
- A415 EGU2012-5997
E. Özcan, C. Scheibner, and K. Boukhalfa
 Late Paleocene-Early Eocene Orthophragmines (Foraminiferida) from Galala (Egypt): Paleobiogeographic Implications

- A416 EGU2012-7358
C.A. Papazzoni and N. Kytayev
Nummulite bioperforations and palaeoenvironments in the middle Eocene of the Berici Mts. (N Italy)
- A417 EGU2012-9460
M. Kaya Ça?lar
The stratigraphical levels and on the occurrence of Nummulites fossilata de Cizancourt in Turkey.
- A418 EGU2012-11030
V. Cosovic, E. Mrinjek, and K. Drobne
Larger benthic foraminifera of the Paleogene Promina Beds (Croatia)
- A419 EGU2012-12896
M. Di Carlo, J. Serra-Kiel, and J. Pignatti
Paleocene-Early Eocene larger foraminiferal biostratigraphy of Yemen and Oman

GD2.1/SSP5.5/TS4.8 – Basin Dynamics (co-organized) – Orals

Convener: M. Scheck-Wenderoth | Co-Conveners: F. Roure

Room: 30

Chairperson: Magdalena Scheck-Wenderoth, Francois Roure

- 15:30–15:45 EGU2012-3329
Y Elesin, I Artemieva, and **H Thybo**
Factors controlling depth of continental rift zones
- 15:45–16:00 EGU2012-10868
P. Holt, M.B. Allen, and J Van Hunen
Thermally-driven subsidence of large platformal basins: linking growth of the lithosphere subsidence patterns on the surface
- 16:00–16:15 EGU2012-12586
J. I. Faleide and the PETROBAR & BarMod Team
Barents Sea crustal architecture and basin development
- 16:15–16:30 EGU2012-4863
M. Scheck-Wenderoth, Y. Maystrenko, M. Cacace, B. O. Kaiser, V. Noack, and Y. Cherubini
Models of the thermal field in the North German Basin
- 16:30–16:45 EGU2012-8898
S. Nagel, S. Castellort, S. D. Willett, F. Mouthereau, A. T. Lin, D. Granjeon, and B. Kaus
Paleoenvironmental evolution in a steady state foredeep, Taiwan
- 16:45–17:00 EGU2012-9479
S. Rougier, C. Gautheron, J. Barbarand, Y. Missenard, H. Zeyen, R. Pinna, B. Bonin, J.-P. Liégeois, A. Ouabadi, and D. Frizon de Lamotte
Meso-Cenozoic morphological evolution of NW Africa, the case of the Tuareg swell.

GD2.1/SSP5.5/TS4.8 – Basin Dynamics (co-organized) – Posters

Convener: M. Scheck-Wenderoth | Co-Conveners: F. Roure

Hall XL | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Francois Roure, Magdalena Scheck-Wenderoth

- XL161 EGU2012-542
D. Osipova, R. Vafin, R. Surmashev, and O. Bondareva
Super viscous oil reservoir formations of Ufa unit of Republic of Tatarstan and their properties
- XL162 EGU2012-807
S. Usmanov, B. Sharipov, A. Akhmetov, and A. Delev
Geo-information approach to the study of Romashkino oil field geodynamics
- XL163 EGU2012-661
A. Malz, St. Donndorf, and J. Kley
Hidden inversion tectonics in the Thuringian Basin (central Germany) - Structural analysis of the Schlotheim graben as an example of an inversion structure
- XL164 EGU2012-1299
C. Brandes, L. Pollok, C. Schmidt, V. Wilde, and J. Winsemann
Subsidence and basin-fill architecture of a lignite-bearing salt rim syncline: insights into rim syncline evolution and salt diapirism
- XL165 EGU2012-2805
A. Souche, M. Dabrowski, T. B. Andersen, and S. Medvedev
Heat transfer and fluid flow modelling in supra-detachment basins: a case study of the Devonian basins of western Norway

- XL166 EGU2012-5103
P. Klitzke, J. I. Faleide, J. Sippel, and M. Scheck-Wenderoth
A lithosphere-scale 3D-structural model of the Barents Sea and Kara Sea region
- XL167 EGU2012-10037
A. Lahfid, B. Lacroix, G. Hoareau, F. Meresse, K. Michel, and M. Buatier
Thermal evolution of the syn-tectonic Ainsa-Jaca basin (South Pyrenean Zone). New constraints from a multiproxy approach.
- XL168 EGU2012-5467
L. Rodriguez, J. Cuevas, and J. M. Tubía
Inversion tectonics in the Anayet Permian basin (Axial Zone, Central Pyrenees)
- XL169 EGU2012-9073
R. Mastouri, R. Marchant, M. Jaboyedoff, S. Bouaziz, and F. Marillier
Structure and evolution of the Kerkennah high (eastern Tunisia) based on 3D seismic
- XL170 EGU2012-4462
A. Argnani and S. Rogledi
Inversion tectonics in the Neogene basins of Tuscany (Northern Apennines, Italy): Insights from the Pisa-Viareggio basin.
- XL171 EGU2012-2856
E. Rossello and S. Cossey
What is the evidence for subduction in the Caribbean Margin of Colombia?
- XL172 EGU2012-9614
F.M. Davila and **C. Lithgow-Bertelloni**
Basin dynamics in the Pampas Plain, Argentina
- XL173 EGU2012-12950
A. Garcia, N Orihuela, and A. Espeso
Gravity anomalies over Orinoco Oil Belt
- XL174 EGU2012-3115
W.A. Sonibare, **M. Scheck-Wenderoth**, J. Sippel, and D. Mikeš
BASIN ANALYSIS AND PETROLEUM SYSTEM CHARACTERISATION OF WESTERN BREDASDORP BASIN, SOUTHERN OFFSHORE OF SOUTH AFRICA: INSIGHTS FROM A 3D CRUST-SCALE BASIN MODEL - (Phase 1)
- XL175 EGU2012-10602
R.H.C. Bruijn, B.S.G. Almqvist, P.M. Benson, and A.M. Hirt
The role of stress on chemical compaction of illite shale: An experimental study
- XL176 EGU2012-5235
G. Han, F. Neubauer, Y. Liu, J. Genser, W. Li, and C. Liang
Formation mechanisms of the Songliao basin, China and its relationships to the exhumation of an Upper Jurassic to Lower Cretaceous metamorphic core complex
- XL177 EGU2012-402
I. Sidorova
Integrated geophysical GIS&RS model of the Amu Darya basin in Western Uzbekistan
- XL178 EGU2012-3598
I. Plotnikova, F. Nosova, N. Pronin, J. Nosova, and T. Budkevich
Geochemical Aspects of Formation of Large Oil Deposits in the Volga-Ural Sedimentary Basin
- XL179 EGU2012-3600
R. Muslimov and **I. Plotnikova**
About the Relation Between Geodynamics of the Sedimentary Basin and the Properties of Crude Oil

Wednesday, 25 April

IG5/CL5.8/SSP5.3 – Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized) – Orals

Convener: Dr. Bojar | Co-Conveners: M Werner, RTW Siegwolf, L. Dallai, A. Demény, D. R. Gröcke, S. H. Halas, Dr. Melinte-Dobrinescu, A. Perşoiu, M. Savard

Room: 39

Chairperson: Rolf Siegwolf, Mihaela Melinte-Dobrinescu

- 13:30–13:45 EGU2012-10432
D. Sarris, R. Siegwolf, and Ch. Körner
Stable C and O isotope signals of drought in Mediterranean pines on inter- and intra-annual scales
- 13:45–14:00 EGU2012-6472
M. M. Savard, C. Bégin, J. Marion, and A. Smirnoff
Natural and Anthropogenic C and N isotopic Trends in Trees growing near oil-sands developments
- 14:00–14:15 EGU2012-6257
A. McAnena, J.O. Herrle, A. Griesand, T. Wagner, H.M. Talbot, J. Rethemeyer, and P. Hofmann
Evidence for long term cooling and short punctuated climate events at the Aptian-Albian boundary in the sub-tropical Atlantic (Mazagan Plateau, DSDP Dite 545)
- 14:15–14:30 EGU2012-11602
M.C. Melinte-Dobrinescu and A.-V. Bojar
Cretaceous biotic changes and isotope events in the Southern and Eastern Carpathians (Romania)
- 14:30–14:45 EGU2012-8668
A. Demény, Gy. Czuppon, Z. Siklósy, G. Schöll-Barna, P. Sümegi, Sz. Leél-össy, K. Lin, C.-C. Shen, and B. Bajnóczi
Temperature and precipitation variations in the mid-Holocene based on combined evaluation of stable isotope compositions of speleothems and freshwater bivalve shells in Hungary
- 14:45–15:00 EGU2012-8210
J. L. Toney, J. A. Bendle, O. Seki, S. Krishnan, M. Pagani, G. Inglis, R. Pancost, P. K. Bijl, S. Bohaty, S. Schouten, J. Pross, H. Brinkhuis, U. Roehl, S. Jamieson and the IODP Expedition 318 Team
Insights into peatland expansion and methane cycling on the East Antarctic continent in the early Eocene

IG5/CL5.8/SSP5.3 – Stable isotopes as a tool in (paleo-)climate studies in different environments and by multi-proxi approaches (co-organized) – Posters

Convener: Dr. Bojar | Co-Conveners: M Werner, RTW Siegwolf, L. Dallai, A. Demény, D. R. Gröcke, S. H. Halas, Dr. Melinte-Dobrinescu, A. Perşoiu, M. Savard

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Martin Werner, Darren Grocke, Ana-Voica Bojar

- A388 EGU2012-8908
L. Kocsis, E. Gheerbrant, M. Mouflih, H. Cappelletta, J. Yans, A. Ulianov, and M. Amaghazaz
Tracing climatic conditions during the deposition of late Cretaceous-early Eocene phosphate beds in Morocco by geochemical compositions of biogenic apatite fossils
- A389 EGU2012-7057
P. Hofmann, R. Wiegand, L. Handley, T. Wagner, H. M. Talbot, and **A. Mcanena**
Fluctuating sea surface temperatures in the subtropical North Atlantic during Oceanic Anoxic Event 1a at DSDP Site 398 and ODP Site 641
- A390 EGU2012-4913
P.J.N. Weber*, C. Baumgartner-Mora*, and P.O. Baumgartner*
87Sr/86Sr-ratios, foraminiferal data and sedimentology of the Latest Miocene - Pliocene cyclic carbonates of La Désirade (Guadeloupe, France)
- A391 EGU2012-10889
C. Beltran, J. Backman, and M.A. Sicre
Late Miocene nannofossil response to global climate change: A new record from the Eastern Equatorial Pacific (IODP Site 1338).
- A392 EGU2012-8008
M. Koch*, O. Friedrich, and P.A. Wilson
Late Pliocene to early Pleistocene millennial-scale fluctuations in SST and stratification within the North Atlantic

- A393 EGU2012-3467
G.S. Kong, S.P. Kim, and H.S. Choi
High-resolution paleoenvironmental records during the late Quaternary from the marginal seas of East Asia: the intrusion of open-ocean current
- A394 EGU2012-324
O. Rach, A. Brauer, H. Wilkes, and D. Sachse
Atmospheric circulation shifts during the Younger Dryas in Western Europe
- A395 EGU2012-2876
F. Guenther, R. Witt, B. Xu, T. Yao, R. Mäusbacher, and G. Gleixner
Hydrogen isotopes of biomarkers as palaeoclimate proxy of Lake Nam Co, Tibetan Plateau
- A396 EGU2012-9143
S. Gao, C. Voelker, and D. Wolf-Gladrow
Application of a box model to investigate marine ^{30}Si distribution
- A397 EGU2012-10545
J.C.W Whalen, P.A.E. Pogge von Strandmann, and D.N. Schmidt
The Mg isotope composition of foraminifers: a new proxy for palaeoseawater composition
- A398 EGU2012-12862
A.-V. Bojar, H.-P. Bojar, and W. Tufar
Mg/Ca and isotopic high resolution record of deep-sea hydrothermal barnacles
- A399 EGU2012-10810
A. Per?oiu and A.-V. Bojar
Palaeoclimate signal recorded by stable isotopes in cave ice: a modeling approach
- A400 EGU2012-530
H. C. Steen-Larsen, S. J. Johnsen, V. Masson-Delmotte, B. Stenni, C. Risi, and H. Sodemann
Atmospheric water vapor monitoring above the Greenland Ice Sheet
- A401 EGU2012-13727
R.T.W. Siegwolf, D. Sarris, M. Saurer, and O.V. Sidorova
When isotope signals in tree rings contradict our concepts and interpretations
- A402 EGU2012-13742
R.T.W. Siegwolf, N. Buchmann, D. Frank, F. Joos, A. Kahmen, K. Treydte, M. Leuenberger, and M. Saurer
iTREE: Long-term variability of tree growth in a changing environment - identifying physiological mechanisms using stable C and O isotopes in tree rings.
- A403 EGU2012-11019
I. Labuhn, V. Daux, D. Genty, M. Pierre, M. Stievenard, and E. Regnier
Reconstruction of Drought Periods in South-Western France Based on the Isotopic Composition of Tree Rings and Speleothems
- A404 EGU2012-8877
S. Szymczak, M.M. Joachimski, A. Bräuning, T. Hetzer, and J. Kuhlemann
A 500 year early summer temperature reconstruction for the western Mediterranean basin based on stable carbon isotopes from *Pinus nigra* ssp. *laricio*
- A405 EGU2012-2820
PM Wynn, NJ Loader, and **IJ Fairchild**
Interrogating trees as archives of sulphur deposition
- A406 EGU2012-14367
T. Boettger, M. Haupt, and M. Friedrich
Sensitivity of stable isotope ratios of tree-rings of Silver fir (*Abies alba* Mill.) in Franconia (Central Germany) to climate and environmental changes
- A407 EGU2012-14226
K. Krause, P. Cherubini, H. Bugmann, and P. Schleppei
Growth enhancement of Norway spruce trees under long-term low-dose N addition is due to morphological rather than to physiological changes
- A408 EGU2012-7071
J. Sohn, M. Kohler, A. Gessler, and J. Bauhus
Interactions of thinning and stem height on the drought response of radial stem growth and isotopic composition of Norway spruce (*Picea abies*)
- A409 EGU2012-7237
M. Harada, Y. Watanabe, T. Nakatsuka, S. Tazuru, Y. Horikawa, J. Sugiyama, T. Tsuda, and T. Tagami
Establishment of alpha-cellulose extraction method and its application using tropical tree sungkai (*Peronema canescens* Jack) for reliable paleoclimate reconstruction in tropical areas

Thursday, 26 April

ML23 – Jean Baptiste Lamarck by Emiliano Mutti (co-listed) – Orals

Convener: D. R. Gröcke

Room: 36

Chairperson: n.n.

19:00–20:00 EGU2012-14467

E. Mutti

High-resolution facies analysis and sequence stratigraphy of fluvio-deltaic depositional systems in tectonically-active basins (Jean Baptiste Lamarck Medal)

SSP3.2 – Turbidites: from outcrops to oil reservoirs and on to ideas (sponsored by IAS) – Orals

Convener: Dr Homewood | Co-Conveners: S. Anjos, P. Razin

Room: 41

Chairperson: n.n.

15:30–15:45 EGU2012-12749

F. Guillocheau

Turbiditic systems on passive margins: fifteen years of fruitful industry-academic exchanges.

15:45–16:00 EGU2012-9402

R. S. F. d'Avila, L. M. Arienti, F. F. Vesely, S. F. Santos, and H. E. Voelcker

Turbidite Systems in Brazil: From Outcrops to Deep Waters

16:00–16:15 EGU2012-4220

R. Eschard, R. Deschamps, B. Doligez, and O. Lerat

Connectivity estimation between turbiditic channels and overbank deposits from the modelling of an outcrop analogue (Pab Formation, Maastrichtian, Pakistan).

16:15–16:30 EGU2012-9214

R. Tinterri, P. Muzzi Magalhaes, E. Mutti, A. Tagliaferri, and R. Soares Cunha

Synsedimentary structural control of foredeep turbidites of the Marnoso-arenacea Formation (Langhian-Tortonian, Northern Apennines, Italy)

16:30–16:45 EGU2012-5182

J.-C. Navarre, P. Dattilo, and P. Crumeyrolle

Deepwater turbidite system analysis : From outcrops studies to basin scale depositional elements. Key learnings for reservoir occurrence and characterisation.

16:45–17:00 EGU2012-4689

C. H. Nelson

Selected highlights of a half-century of academic and industry studies of turbidite systems

SSP3.3 – Reconstructing redox conditions from sedimentary records – an interdisciplinary approach (sponsored by IAS) – Orals

Convener: C. März | Co-Conveners: P. Boening, A. Dickson

Room: 41

Chairperson: n.n.

13:30–13:45 EGU2012-12782

J.-P. Jenny, F. Arnaud, J.M. Dorioz, C. Giguët Covex, V. Frossard, P. Sabatier, L. Millet, J.L. Reyss, K. Tachikawa, O. Romeyer, C. Pignol, E. Mallet, and M.E. Perga

Toward a quantitative reconstruction of hypoxia from varve records in the large perialpine Lake Bourget over the last 150 years

13:45–14:00 EGU2012-7068

Z. Erdem, M.N. Çağatay, E. Damci, B.U. Ülgen, M. Holtappels, and A. Lichtschlag

Holocene History of the Mediterranean Inflow and Its Influence on Formation of the Channel Network Complex and Redox Conditions in the Istanbul Strait Outlet Area of the Black Sea

14:00–14:15 EGU2012-4639

D. Gallego-Torres, **O. Romero**, F. Martinez-Ruiz, K. Jung-Hyun, B. Donner, and M. Ortega-Huertas

Evolution of deep-water redox conditions in the NW African upwelling system during the last glacial and deglaciation: implications for the deep ocean circulation.

14:15–14:45 EGU2012-7169

T. W. Lyons

Improved paleoenvironmental interpretations at the intersection between paleontology and biogeochemistry

- 14:45–15:00 EGU2012-10222
A. Jimenez Berrocso, S. Bodin, and J. Wood
 Varying bottom water oxygenation during deposition of organic-rich, bioclastic carbonates on a southern Tethys ramp (lower-middle Eocene, Tunisia)

SSP4.4 – Late Cretaceous – Early Paleogene climate dynamics and time scales – Orals

Convener: S. J. Batenburg | Co-Conveners: M. Sprovieri, S. Voigt, A. S. Gale, T. Westerhold

Room: 41

Chairperson: n.n.

- 08:30–08:45 EGU2012-7870
I. Gilmour, D.W. Jolley, R.J. Daly, S.P. Kelley, and M.A. Gilmour
 A complete high resolution record of the Dan-C2 hyperthermal event in the lacustrine sediments of the Boltsh Impact crater
- 08:45–09:00 EGU2012-7434
M. Koch* and O. Friedrich
 Campanian-Maastrichtian intermediate- to deep-water changes in the high latitudes: benthic foraminiferal evidence
- 09:00–09:15 EGU2012-4150
 L. Penasa, **M. Franceschi**, and N. Preto
 Terrestrial laser scanning for high resolution cyclostratigraphy of chert in pelagic limestone series
- 09:15–09:30 EGU2012-2691
D. De Vleeschouwer, A. Montanari, and R. Coccioni
 An anchored astronomical time-scale for the Turonian reference sections in the Umbria-Marche Basin, Italy
- 09:30–09:45 EGU2012-1880
F. Hilgen, J. Ogg, M. Schmitz, R.P. Speijer, and N. Vandenberghe
 Age calibration of the Paleogene time scale in GTS2012
- 09:45–10:00 EGU2012-481
J. Laskar, A. Farrès, and M. Gastineau
 Stability of the long period terms in the La2011 astronomical solution.

IG1/GMPV2.3/HS2.22/SSP5.1/SSS13.5/TS1.8 – Stable isotopes in geosciences - open session, including blocks of special attention (co-organized) – Posters

Convener: P. De Groot | Co-Conveners: Dr. Bojar, E. Kerstel, J. Smit, D. R. Gröcke, Ph. Negrel, E. Petelet-Giraud

Hall A | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Ph. Negrel, A.-V. Bojar

- A234 EGU2012-13171
 F. Dong, D. Baer, **M. Gupta**, and T. Owano
 Novel Instrumentation for Measurements of Isotopic Carbon Dioxide
- A235 EGU2012-9084
F.-Y. Hu, C.-F. You, H.-C. Liu, H.-C. Chao, B.-S. Wang, C.-A. Huh, and C.-H. Chung
 Sr and Nd Isotopic Compositions as Tracers for Source-to-Sink Pathways of Sediments in the Taiwan Strait
- A236 EGU2012-3301
Y. Zhao, S.W. Lokier, and T. Steuber
 A new stable carbon isotope record for the Cenomanian of the Arabian Plate
- A237 EGU2012-10249
C.V. Ullmann, H.J. Campbell, and C. Korte
 Alteration histories of fossil biogenic calcite as indicated by $^{87}\text{Sr}/^{86}\text{Sr}$ ratios
- A238 EGU2012-9878
P.-H. Tsai, C.-F. You, K.-F. Huang, H.-C. Liu, and Y.-B. Sun
 Lithium Isotopic Fractionation during Loess Weathering
- A239 EGU2012-4715
T. Unterweissacher, G. Rantitsch, R. Ehrreich, G. Kienast, and K. Stocker
 Stable isotope evidence for fluid alteration of carbonates during Cretaceous compression and extension in the Graz Paleozoic (Eastern Alps)
- A240 EGU2012-11298
I. Gilmour, C.A. Pearce, D. Jolley, M.A. Sephton, M. Widdowson, and M.A. Gilmour
 Carbon isotope stratigraphy and palynology of an eastern Tethyan Cretaceous-Paleogene boundary section from Sumbar, Turkmenistan

- A241 EGU2012-14372
F. Chabaux, Th. Schaffhausen, M.-C. Pierret, and B. Ambroise
 238U-234U activity ratio as tracer of waterpathway within the watershed substratum: evidence of U data from the Strengbach and Ringelbach research catchments (Vosges, France)
- A242 EGU2012-9587
P. Saccon, A. Leis, A. Marca, J. Kaiser, L. Campisi, M.E. Böttcher, J. Savarino, P. Escher, A. Eisenhauer, and J. Erbland
 Identification and characterisation of potential sources of nitrate pollution in the Marano Lagoon (Italy) applying a multi-isotope approach
- A243 EGU2012-10932
 J. Jaunat, **F. Huneau**, H. Celle-Jeanton, A. Dupuy, and P. Le Coustumer
 Rainwater chemistry and isotopic content in the French Basque Country
- A244 EGU2012-4954
P. Koeniger
 Impacts of sampling resolution on stable isotope characteristics of precipitation and stream flow in large river basins
- A245 EGU2012-10489
 L. Cary, J. Casanova, A. Mekni, N. Gaaloul, C. Guerrot, and **E. Petelet-Giraud**
 Effect of artificial recharge by treated wastewater on the quality of the Korba coastal aquifer (Cape Bon, Tunisia): insights from Boron isotopes.
- A246 EGU2012-2581
L. Gourcy, F. Castres de Paulet, A. Rorive, and J. Bastien
 Isotope tools to support conceptual model building of the Carboniferous limestone aquifer of Northern France and Belgium
- A247 EGU2012-5878
H. Häusler, S. Fran?iškovi?-Bilinski, D. Rank, P. Stadler, and H. Bilinski
 Results from stable isotope investigations of river waters in Western Croatia
- A248 EGU2012-8192
N. Mohammed, H. Celle-Jeanton, F. Huneau, P. Le Coustumer, V. Lavastre, and G. Bertrand
 Spatial hydrochemical and isotopic variations within the alluvial aquifer of the Allier River (Massif Central, France)
- A249 EGU2012-8942
Ph. Negrel and W. Kloppmann
 Insight into past hydrological conditions through signatures of stable isotopes in Holocene Loire River fluvial sediments (France)
- A250 EGU2012-8964
Ph. Negrel and E. Petelet-Giraud
 Lead isotopes in sediments of the Loire River (France): natural versus anthropogenic origin
- A251 EGU2012-9110
E. Petelet-Giraud, Ph. Négrel, and C. Guerrot
 Boron and strontium isotopes to assess water origin and anthropogenic inputs during flood events. The Hérault River, S. France.
- A252 EGU2012-9566
 C. Innocent, **E. Petelet-Giraud**, W. Kloppmann, C. Guerrot, F. Bichot, and M. Thion-Larminach
 Groundwater circulation, connection between aquifers and relation with surface water in a karstified and faulted watershed: Constraint by Sr isotopes in the upper Sèvre-Niortaise basin (western France)

BG6.3/CL5.14/SSP5.4 – Micropaleontology: a key to modern and ancient environments (co-organized) – Orals

Convener: K. Koho | Co-Conveners: F. Jorissen, A. Sluijs, C. Fontanier

Room: 23

Chairperson: n.n.

- 15:30–15:45 EGU2012-1663
M. Mojtahid, H. Howa, J. Garcia, F. Jorissen, E. Michel, M. Cremer, F. Eynaud, H. Gillet, and S. Terrien
 High resolution Holocene record in the southeastern Bay of Biscay: use of benthic and planktic foraminifera as paleoenvironmental proxies
- 15:45–16:00 EGU2012-7732
K. Müller-Navarra, A. Lochte, and G. Schmiedl
 Benthic foraminiferal response to trophic changes across the last glacial-Holocene transition in the abyssal eastern Mediterranean Sea
- 16:00–16:15 EGU2012-3326
O. Romero and X. Crosta
 Millennial-scale variability of diatom paleoproductivity during the last 50 ka: an equator-to-subtropics comparison along western Africa

- 16:15–16:30 EGU2012-2729
P.K. Bijl, A.J.P. Houben, F. Sangiorgi, A.P.J. Ebbing, J. Pross, A. Sluijs, and H. Brinkhuis
 Eocene-Miocene dinoflagellate cyst assemblages from the Wilkes Land margin, Antarctica (IODP Leg 318): tracing greenhouse and icehouse dynamics of the Southern Ocean
- 16:30–16:45 EGU2012-12055
C. Joachim and J. Mutterlose
 Assemblage level and intraspecific response of calcareous nannofossils during early Eocene hyperthermal events.
- 16:45–17:00 EGU2012-749
A. Bercovici, V. Vajda, T. R. Lyson, S. G. B. Chester, E. J. Sargis, D. A. Pearson, and W. G. Joyce
 Terrestrial ecosystem collapse associated to the K-Pg boundary and dinosaur extinction: palynological evidences

TS4.1/GM3.5/SSP3.4 – Tectonics, sedimentation and surface processes: from the erosional engine to basin deposition (sponsored by IAS) (co-listed) – Orals

Convener: A. Whittaker | Co-Conveners: S. Castelltort, L. Kirstein, J. Vergés

Room: 29

Chairperson: n.n.

- 08:30–08:45 EGU2012-3613
U. Ryb, A. Matmon, N. Porat, and O. Katz
 From mass-wasting to slope stabilization - putting constrains on the transition in slope erosion mode: A case study in the Judea Hills, Israel
- 08:45–09:00 EGU2012-1361
M. Vanmaercke, A. Kettner, M Van Den Eeckhaut, J Poesen, G Govers, A Mamaliga, G Verstraeten, M Radoane, and J Syvitski
 Predicting sediment yield for catchments under pristine conditions: the role of tectonic activity
- 09:00–09:15 EGU2012-8710
G. de Jager, A. Forzoni, and J.E.A. Storms
 Climate, sea level and tectonics signal propagation - an analysis using 2DStratSim: a source-to-sink numerical model
- 09:15–09:30 EGU2012-14406
G. Duclaux and T. Salles
 3D Stratigraphic and geomorphic modelling from source to sink
- 09:30–09:45 EGU2012-212
E. Garzanti, P. Vermeesch, S. Andò, M. Boni, M. Lustrino, and G. Vezzoli
 From Lesotho basaltic highlands to the Namib Sand Sea: long-distance transport and compositional variability in the wind-displaced Orange Delta
- 09:45–10:00 EGU2012-8951
V. Olivetti, M. L. Balestrieri, F. Rossetti, and F. M. Talarico
 Tectonic/climatic control on sediment provenance in the Cape Roberts Project core record (southern Victoria Land, Antarctica): A pulsing late Oligocene/early Miocene signal from south revealed by detrital thermochronology

COFFEE BREAK

Chairperson: n.n.

- 10:30–10:45 EGU2012-10360
B. Salcher, J. Lomax, B. Meurers, J. Smit, F. Preusser, and K. Decker
 Tectonics and Quaternary sequence development of basins along the active Vienna Basin strike-slip fault
- 10:45–11:00 EGU2012-4230
D. Huyghe, C. Bonnel, B. Nivière, G. Messenger, D. Dhont, B. Fasantieux, Y. Hervouët, and J-P Xavier
 Tectono-sedimentary evolution of the Neuquén basin (Argentina) between 39°S and 41°S during the Neogene
- 11:00–11:15 EGU2012-10345
E. Costa, M. Garcés, M. López-Blanco, E. Beamud, M. Gómez-Paccard, and J.C. Larrasoña
 Closing and continentalization of the South Pyrenean Foreland Basin (NE Spain) and its impact on basin fill trends and thrust-belt evolution
- 11:15–11:30 EGU2012-1657
P.D. Clift and L. Giosan
 Sediment Source-to-Sink Processes in the Indus River since the Last Glacial Maximum

11:30–11:45 EGU2012-5741

C. Petit and S. Migeon

Submarine erosion and active tectonics offshore Nice (Southern Alps, France): insights from numerical models

11:45–12:00 EGU2012-9700

C.-S. Liu, **Y.-T. Chang**, H.-H. Hsu, S.-C. Chen, and S.-H. Chung

Development of an Intra-Slope Basin Offshore Southwestern Taiwan

Friday, 27 April

SSP1.1 – Open session on stratigraphy, sedimentology and palaeontology - POSTERS ONLY (co-sponsored by IAS & PalAss) – Posters

Convener: D. R. Gröcke | Co-Conveners: M. Vecoli, Dr. Jacobs, I. Jarvis, K. Taylor, S. Robinson, U. Heimhofer, C. März

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: n.n.

- A313 EGU2012-283
A. Lukeneder, S. Lukeneder, and C. Gusenbauer
Computed tomography in palaeontology - case studies from Triassic to Cretaceous ammonites
- A314 EGU2012-290
T. Ferriday and M. Montenari
Chemostratigraphical Characterisation of the Lower Silurian Formigoso Formation: A Case Study from Aralla (Cantabrian Mountains, Province Leon, NW Spain)
- A315 EGU2012-331
S. Rogers and M Montenari
Tuberitinae MIKLUKHO-MACLAY, 1958: life cycle, ecology, diagenesis
- A316 EGU2012-1454
E. O. Abdulsamad and S. M. El Zanati
Stratigraphical and palaeontological characteristics of the Miocene deposits at Soluq area, NE Libya: First Results
- A317 EGU2012-1759
B. Alpar
The possibility and timing for a sea waterway via the Lake Iznik (Turkey)
- A318 EGU2012-1826
P. Opr?kal, L. Gale, T. Kolar-Jurkovšek, and B. Roži?
Rhaetian extensional tectonics in the Slovenian Basin (Southern Alps): Preliminary results of an outcrop study
- A319 EGU2012-2282
S.B. Lobach-Zhuchenko, E.V. Bibikova, and V.V. Balagansky
Metasediments of the Palaeoarchaeon Dniester-Bug Suite of the South-Western Ukrainian Shield: composition, age, and sources
- A320 EGU2012-2431
N. Goreva, A. Alekseev, T. Isakova, and A. Reimers
Gzhelian Stage in marine sequence of the Later Pennsylvanian of the Russia: definition of lower boundary
- A321 EGU2012-3294
S. W. Lokier and S. Herrmann
The stratigraphic record of Khawr Al Maqta, Abu Dhabi, United Arab Emirates
- A322 EGU2012-3302
J. Hu and S. W. Lokier
3D stratigraphic forward modelling of Shu'aiba Platform stratigraphy in the Bu Hasa Field, Abu Dhabi, United Arab Emirates.
- A323 EGU2012-3879
S.H. Lee, W.Y. Jung, J.M. Gardner, and D.J. Kang
Depositional processes of mass flows beyond the base-of-slope area and changes in slope failures in the SW Ulleung Basin (East Sea, Korea)
- A324 EGU2012-6106
W.E. Piller, M. Reuter, M. Brandano, and M. Harzhauser
Deontra (Maiella, Abruzzi, Italy) - a key section for correlating Mediterranean shallow water deposits with global Oligocene-Miocene stratigraphy
- A325 EGU2012-6254
D. Khomchenko and T Yanina
Biostratigraphy of the Middle and Upper Pleistocene of the Caspian Region
- A326 EGU2012-6293
A. Arantegui, J.P. Corella, J.L. Loizeau, F.S. Anselmetti, and S. Girardclos
Environmental and human impact on the sedimentary dynamic in the Rhone Delta subaquatic canyons (France-Switzerland)
- A327 EGU2012-6758
P.-J. Su and L. S. Teng
Holocene transgression of the Taipei Basin, northern Taiwan

- A328 EGU2012-8345
A. Özmaral, M.N. Çagatay, C. Imren, L. Gasperini, and P. Henry
 Holocene sedimentary processes in the Gemlik Gulf: a transtensional basin on the middle Strand of the North Anatolian Fault, Sea of Marmara
- A329 EGU2012-8872
E. Durán
 Modeling of stratigraphic columns using Markov Chains and Gibbs sampling algorithms, Campo Oritupano, Venezuela.
- A330 EGU2012-10292
J. Ploug
 Determining how to differentiate different glacier flows with respect to transported sediment of specific grain size.
- A331 EGU2012-12130
 C. P. Howell and **M. Montenari**
 2D Geochemical Characterisation of Late Carboniferous Concretions: Constraints for 3D Fossil Preservation
- A332 EGU2012-13818
I. Baig, P. Aagaard, M. Fawad, C. Sassier, J. I. Faleide, J. Jahren, R. H. Gabrielsen, L. H. Nielsen, L. Kristensen, and P. E.S. Bergmo
 Potential Triassic and Jurassic CO₂ Storage Reservoirs in the Skagerrak Area

SSP3.2 – Turbidites: from outcrops to oil reservoirs and on to ideas (sponsored by IAS) – Posters

Convener: Dr Homewood | Co-Conveners: S. Anjos, P. Razin

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: n.n.

- A333 EGU2012-8523
P.W. Homewood, S.C. Anjos, and P. Razin
 Turbidites: from outcrops to oil reservoirs and on to ideas
- A334 EGU2012-6408
S. Brocheray, C. Cremer, S. Zaragosi, H. Gillet, and V. Hanquiez
 Morphobathymetric analyses and recent sedimentary processes of the turbiditic system of the Capbreton submarine canyon (SARGASS cruise 2010)
- A335 EGU2012-4840
M.J.B. Cartigny, J.T. Eggenhuisen, E.W.M. Hansen, and G. Postma
 Concentration-dependent flow stratification in experimental high-density turbidity currents and their relevance to turbidite facies models
- A336 EGU2012-13396
D.M. Doronzo and J. Dufek
 On the interaction between fluid turbulence and particle loading: numerical simulation of turbidity currents and prediction of deep-sea arenites
- A337 EGU2012-8484
S.M. Luthi and X. Wang
 Evidence for lateral and longitudinal compensational stacking in sub-basins based on numerical models of turbidity currents on complex margin topographies
- A338 EGU2012-10507
R.R. Matte and E.E. Zambonato
 Facies, Stratigraphic and Depositional Model of the Sediments in the Abrolhos Archipelago (Bahia, BRAZIL)
- A339 EGU2012-11045
S. Etienne, T. Mulder, A. Pace, M. Bez, and G. Desaubliaux
 Architectural variability of confined turbidite sheet-sands: facies, geometry and infill of associated elementary channels. Examples from the Trois Evêchés Basin, Annot Sandstone Formation, SE France
- A340 EGU2012-4141
P Razin, F Guillocheau, and G. Calves
 Carbonate platform margins and associated turbiditic systems in response to high aggradation rates: the Palaeogene platform margin in Oman
- A341 EGU2012-6517
 C. Robin, D. Rouby, **F. Guillocheau**, T. Nalpas, P. Jermannaud, and S. Raillard
 Plio-Pleistocene Sequence Stratigraphic architecture of the Eastern Niger Delta: Climate Controls, Gravity Driven Deformation and Associated Sedimentary Systems

SSP3.3 – Reconstructing redox conditions from sedimentary records – an interdisciplinary approach (sponsored by IAS) – Posters

Convener: C. März | Co-Conveners: P. Boening, A. Dickson

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: n.n.

- A342 EGU2012-4921
S. Naeher, A. Gilli, and C.J. Schubert
High-resolution redox dynamics of iron and manganese as recorded in the sediments of Lake Zurich, Switzerland
- A343 EGU2012-7395
S.B. Wirth, A. Gilli, T.W. Dahl, H. Niemann, D. Ravasi, M.F. Lehmann, R. Peduzzi, S. Peduzzi, M. Tonolla, and F.S. Anselmetti
9800 years of meromixis and euxinia in Lake Cadagno (Swiss Alps): Sedimentary and biogeochemical evidence for the formation of a permanently stable chemocline
- A344 EGU2012-5151
M. Budakoglu, M. Karaman, S.B. Karabel, S.G. Geredeli, A. Bulbul, H. Kurt, S. Uzasci, A. Kan, A. K. Akay, F. R. Yilmaz, L. Gumus, M. Civas, C. Sevis, and M. Kumral
Recent sediment geochemistry of an alkaline lake: Lake Acigöl (Denizli), SW Anatolia Turkey
- A345 EGU2012-5347
S. Miladinova, A. K. Stips, and G. Lessin
Decadal trends in simulated oxygen dynamics and hypoxia in the Baltic Sea
- A346 EGU2012-8749
K. Moriya, M. Kuwae, M. Yamamoto, T. Kunihiro, H. Onishi, H. Hamaoka, M. Saito, T. Sagawa, J. Shibata, N. Fujii, N. Yoshie, K. Omori, and H. Takeoka
Distributions of mesophilic archaeotal membrane lipids and TEX86 thermometry in the modern enclosed shallow coastal anoxic basin
- A347 EGU2012-4904
P. Böning, T. Shaw, and H.-J. Brumsack
Nickel - chlorin relationship in Peru upwelling sediments: a water column source of Nickel for geoporphyryns?
- A348 EGU2012-6825
S.C. Brassell
Proxies for Redox Conditions during early Aptian Ocean Anoxic Event 1a
- A349 EGU2012-1565
Y. Huang, Z. Zhang, L. Zan, and W. Li
The role of redox conditions in controlling the marine organic abundance in Lower Yangtze Formation, South China
- A350 EGU2012-9697
H. Engin, A. Sar?, and **? Koç**
Redox Sensitive Trace Element Enrichments of Organic Matter Rich Rocks (Kürnüş-Göynük/Bolu, Turkey)
- A351 EGU2012-14397
R. Kara-Gülbay, S. Korkmaz, and G. Yaylal?-Abanuz
Organic Geochemistry of Oltu Gemstone Coal, Erzurum (NE Turkey)
- A352 EGU2012-526
N. Minibaev and I. Maiorov
Pyrite origin in argillites of Bobrikovskian horizon from incised-valley system zone
- A353 EGU2012-1032
J.D. Owens, D.L. Boyer, M.L. Droser, and T.W. Lyons
Low oxygen bottom waters in the Devonian ocean through a combined biological and geochemical approach
- A354 EGU2012-2283
J. Knies, S. Grasby, B. Beauchamp, and C. Schubert
Water mass denitrification during the latest Permian extinction in the Panthalassic Ocean
- A355 EGU2012-11609
W. Powell and K. Handle
Geochemical Proxies as an Effective Tool for Determining Depositional Environments for Burgess Shale-Type Fossil Localities

SSP4.3/CL1.4 – Cenozoic greenhouse climates and carbon cycle dynamics (co-organized) – Orals

Convener: J. L. Toney | Co-Conveners: P. Bijl

Room: 41

Chairperson: Jaime Toney

- 08:30–08:45 EGU2012-11093
M. Huber
Eocene Paleoclimate: Incredible or Uncredible? Model data syntheses raise questions.

- 08:45–09:00 EGU2012-4147
P. Köhler, R. S. W. van de Wal, B de Boer, L. J. Lourens, R. Bintanja, T. Bickert, and G. Lohmann
 A process-based understanding of the late Cenozoic carbon cycle
- 09:00–09:15 EGU2012-9053
 H.A. Abels, W.C. Clyde, P.D. Gingerich, **F.J. Hilgen**, H.C. Fricke, G.J. Bowen, and L.J. Lourens
 Terrestrial records of Eocene Thermal Maximum 2 (ETM2 / H1 / Elmo) and H2 in the Bighorn Basin (USA)
- 09:15–09:30 EGU2012-12774
S. Galeotti, R.M. DeConto, L. Lanci, M. Pagani, U. Rohl, T. Westerhold, and J.C. Zachos
 Early Eocene hyperthermals record orbitally controlled changes in high latitude climates
- 09:30–09:45 EGU2012-13861
S. Boulila, B. Galbrun, J. Laskar, and H. Pälike
 Correlation of very long-term variations in Cenozoic $\delta^{13}C$ record and eccentricity modulation cycles
- 09:45–10:00 EGU2012-10794
K. Littler, J. C. Zachos, A. Kersey, U. Röhl, and T. Westerhold
 A high-resolution benthic stable-isotope record for the South Atlantic: implications for orbital scale changes in Late Paleocene-Early Eocene climate and circulation

SSP4.3/CL1.4 – Cenozoic greenhouse climates and carbon cycle dynamics (co-organized) – Posters

Convener: J. L. Toney | Co-Conveners: P. Bijl

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: Jaime Toney

- A356 EGU2012-3191
O. Mohamed and H. Egger
 Palynological study around the Paleocene/Eocene (P/E) boundary in the Untersberg section (Salzburg, Austria)
- A357 EGU2012-3804
KF Kroeger and RH Funnell
 Warm Eocene climate enhanced petroleum generation from Cretaceous source rocks - a potential climate feedback mechanism?
- A358 EGU2012-5051
I. Moebius, O. Friedrich, and K.M. Edgar
 Changes of benthic foraminiferal assemblages across the Middle Eocene climatic optimum (MECO) in the North Atlantic (OPD Site 1051, Blake Plateau)
- A359 EGU2012-6061
G. Hoareau, N. Carry, D. Marquer, B. Vrielynck, D.J.J van Hinsbergen, F. Behar, and A.-V. Walter-Simonnet
 Did India-Asia plate velocity increase and Neo-Tethys closure contribute to the Early Eocene Climatic Optimum?
- A360 EGU2012-6657
J.C. Silva-Tamayo, M. Ducea, A. Cardona, C. Montes, D. Rincon, A. Machado, A. Flores, A. Sial, A. Pardo, H. Niño, V. Ramirez, C. Jaramillo, P. Zapata, L. Barrios, S. Rosero, G. Bayona, and V. Zapata
 Precise U-Pb dating of Cenozoic tropical reef carbonates: Linking the evolution of Cenozoic Caribbean reef carbonates to climatic and environmental changes.
- A361 EGU2012-7221
H. Khozyem, T. Adatte, G. Keller, J.E. Spangenberg, S. Bajpai, B. Samant, and S. Mathur
 Mammal Dispersion linked to The Paleocene Eocene Thermal Maximum (PETM): New Insights from India.
- A362 EGU2012-8768
V. Lauretano, L.J. Lourens, J.C. Zachos, M. Polling, K. Littler, and A. Sluijs
 Reconstruction of deep-sea temperatures across Early Eocene climate transition.
- A363 EGU2012-9213
N. Hamon, P. Sepulchre, Y. Donnadieu, and G. Ramstein
 Subtropical forest expansion in the middle Miocene Europe: pCO₂, Antarctic ice volume and oceanic changes
- A364 EGU2012-11381
G. Ramstein, P. Hopcroft, B. Ringeval, and N. Hamon
 Quantifying the methane atmospheric concentration during the warm and wet climate of the Middle Miocene Climatic Optimum (17-15 Ma)
- A365 EGU2012-13334
M. Ouberdous, A.-J. Henrot, M. Dury, T. Utescher, and L. Francois
 Variational methods application for retrieving past climates and paleo vegetation maps
- A366 EGU2012-13572
 V. Lefebvre, **Y. Donnadieu**, Y. Goddérès, and F. Fluteau
 Unravelling the causes of the Cenozoic climatic evolution

SSP4.4 – Late Cretaceous – Early Paleogene climate dynamics and time scales – Posters

Convener: S. J. Batenburg | Co-Conveners: M. Sprovieri, S. Voigt, A. S. Gale, T. Westerhold

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: n.n.

- A367 EGU2012-4748
J.W.H. Weijers, P. Steinmann, E.C. Hopmans, N. Basiliako, S.A. Finkelstein, K.R. Johnson, S. Schouten, and J.S. Sinninghe Damsté
Testing the potential of bacterial branched tetraether membrane lipids as temperature proxy in peat and immature coal deposits
- A368 EGU2012-4635
D.W. Jolley, R. Daly, I. Gilmour, M. Gilmour, and S.P. Kelley
The Boltysh crater record of rapid vegetation change during the Dan-C2 hyperthermal event.
- A369 EGU2012-8293
S. Neuhuber and M. Wägrich
Mineralogical and geochemical records of the Upper Campanian Globotruncanita calcarata Zone- implications for the Penninic Ocean.
- A370 EGU2012-6983
M. Wägrich, J. Hohenegger, and S. Neuhuber
Cyclostratigraphy and an astronomically calibrated duration of the Late Campanian Globotruncanita calcarata Zone
- A371 EGU2012-7408
C. Jung, S. Voigt, O. Friedrich, and M. Frank
Late Campanian to Maastrichtian palaeoceanographic changes in the tropical Pacific
- A372 EGU2012-7044
T. Adatte and G. Keller
New Evidence links Deccan Traps to the Cretaceous-Tertiary Boundary Mass Extinction
- A373 EGU2012-5935
S. Açıkolun, Ö. Yılmaz, F. Ocakoglu, H. B. Vonhof, A. Hakyemez, and J. Smit
Paleoceanographic trends in the Campanian-Maastrichtian Pelagic Succession, Mudurnu-Goynuk Basin, NW Turkey
- A374 EGU2012-498
S. J. Batenburg, A. S. Gale, F. J. Hilgen, S. K. Hüsing, J. Laskar, X. Orue-Etxebarria, M. Sprovieri, and S. Voigt
Astronomical tuning and carbon isotope stratigraphy of the Maastrichtian in Sopelana and Zumaia (Basque country, N-Spain)
- A375 EGU2012-6185
S. J. Batenburg, A. Montanari, M. Sprovieri, F. J. Hilgen, R. Coccioni, and A. S. Gale
Astronomical tuning of black cherts in the Cenomanian Scaglia Bianca as precursors of the Bonarelli level (OAE2) at Furlo, Italy
- A376 EGU2012-8551
M. Sprovieri, N. Sabatino, N. Pelosi, S. Batenburg, R. Coccioni, M. Iavarone, and S. Mazzola
Carbon cycles in Late Cretaceous time

SSP4.5 – The Jurassic–Cretaceous World: evolution, climate and environment (sponsored by PalAss) – Orals

Convener: D. R. Gröcke | Co-Conveners: J. Trabucho-Alexandre, M. B. Hart

Room: 41

Chairperson: D.R. Gröcke

- 10:30–10:45 EGU2012-2834
M. Hart, A. Leighton, T. Yancey, B. Miller, C. Smart, and R. Twitchett
The Cretaceous-Paleogene boundary in the Brazos River area (Texas): new sections and revised interpretations
- 10:45–11:00 EGU2012-5929
I. Jarvis, D.R. Gröcke, J. Lignum, J. Trabucho Alexandre, W.J. Kennedy, and A.S. Gale
Coupled carbon-isotope records from the Cenomanian of SE France: a six-million year record of mid-Cretaceous pCO₂ change?
- 11:00–11:15 EGU2012-10313
S. Huck, T. Steuber, S. Bernasconi, and H. Weissert
Clumped isotope geochemistry of mid-Cretaceous (Barremian-Aptian) rudist shells: paleoclimatic and paleoenvironmental implications

- 11:15–11:30 EGU2012-13423
J.D. Owens, B.C. Gill, H. Jenkyns, M.M.M Kuypers, S. Severmann, S. Bates, and T.W. Lyons
 Perturbations to the Global Sulfur Cycle during a mid-Cretaceous Oceanic Anoxic Event (OAE 2: Cenomanian/Turonian)
- 11:30–11:45 EGU2012-13022
J. Pálffy and N. Zajzon
 CAMPing by the sea: Evidence for synchrony of volcanism and the end-Triassic extinction and carbon isotope anomaly from a marine Triassic-Jurassic boundary section
- 11:45–12:00 EGU2012-11595
M. Ruhl, C.J. Bjerrum, D.E. Canfield, and R. Frei
 Triassic-Jurassic marine anoxia in response to massive carbon release from CAMP?

SSP4.5 – The Jurassic–Cretaceous World: evolution, climate and environment (sponsored by PalAss) – Posters

Convener: D. R. Gröcke | Co-Conveners: J. Trabucho-Alexandre, M. B. Hart

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: M.B. Hart

- A377 EGU2012-258
A. Lukeneder
 Cretaceous ammonite mass-occurrences - causes and explanations
- A378 EGU2012-343
R. Iagudin and N. Minibaev
 Reconstruction of sedimentary environments of J2-4 reservoir rocks of the Lovin oil field by facial analysis and 3D simulation
- A379 EGU2012-1136
A. Lukeneder, E. Halássová, D. Reháková, Š. Józsa, J. Soták, A. Kroh, L. Jovane, F. Florindo, M. Sprovieri, M. Giorgioni, and S. Lukeneder
 Lower Cretaceous Puez key-section in the Dolomites - towards the mid-Cretaceous super-greenhouse
- A380 EGU2012-1940
D.P. Savelyev, O.L. Savelyeva, T.N. Palechek, and B.G. Pokrovsky
 Carbon isotope curve and iridium anomaly in the Albian-Cenomanian paleoceanic deposits of the Eastern Kamchatka
- A381 EGU2012-3144
S. Wohlwend and H. Weissert
 In search of mid-Cretaceous ocean anoxic events in Oman, an equatorial southern margin of the Tethys and the window into the Indo-Pacific
- A382 EGU2012-4757
 E. Setoyama, **M.A. Kaminski**, and J. Tyszka
 Campanian agglutinated foraminifera from the Lomonosov Ridge, IODP Leg 302 (ACEX): implications for Arctic Late Cretaceous paleogeography
- A383 EGU2012-6184
J.M. Castro, M.L. Quijano, G.A. de Gea, and R.D. Pancost
 The early Aptian OAE record in the Cau section (Prebetic Zone, Spain): High-resolution C-isotope stratigraphy, biomarker distributions, and elemental geochemistry
- A384 EGU2012-9935
K. Olde, D. Uliřný, I. Jarvis, and M. Pearce
 Palynomorph responses to sea-level change: preliminary results for Upper Cretaceous assemblages from East Bohemia (Czech Republic)
- A385 EGU2012-11546
M. Moiroud, E. Pucéat, Y. Donnadiou, G. Bayon, K. Moriya, and J.-F. Deconinck
 Evolution of neodymium isotopic signature of seawater on the northwest Pacific margin: new insights on oceanic circulation changes during the Late Cretaceous
- A386 EGU2012-9887
T.-R. Yang, Y.-N. Cheng, and K.-M. Yang
 Do brooding and polygamy behaviors exist on Cretaceous oviraptoroid dinosaurs of China: a paleobiological perspective
- A387 EGU2012-133
A. Haeri
 Micropaleontology and biostratigraphy of Surmeh Formation on Mangasht mountain in N. E. Khuzestan (Khami Group) and correlation with type section in Surmeh Formation and Haft Cheshmeh Well # 1 (Izeh zone)

- A388 EGU2012-6217
J.M. Castro, G.A. de Gea, P.A. Ruiz-Ortiz, M.L. Quijano, R.D. Pancost, C. Jimenez de Cisneros, and E. Caballero
 Stratigraphy and geochemistry of an early Aptian carbonate platform: interactions between relative sea level and environmental changes (Prebetic Zone, Spain)
- A389 EGU2012-8694
B. Bomou, T. Adatte, H.P. Mort, B. Gertsch, and K.B. Föllmi
 What drove phosphorus burial during Oceanic Anoxic Event 2 ?
- A390 EGU2012-8278
H. Weissert, I. Millan Sanchez, S. Huck, S. Wohlwend, and M. Giorgioni
 Early Cretaceous carbon cycle, climate and oceanography - volcanic, orbital and tectonic forcings
- A391 EGU2012-12178
M. Lenniger, C.J. Bjerrum, G.K. Pedersen, and M. Al Azhar
 Understanding redox conditions in the mid-Cretaceous Baffin Bay - a combined model-data approach
- A392 EGU2012-13599
P. E. Olsen, D. V. Kent, and M. Et-Touhami
 Determining the concentration of individual eruptive events of the CAMP: Distinguishing interflow hiatuses from subterranean alteration and void infilling.

SSP4.6 – Phanerozoic marginal and terrestrial palaeoenvironments as archives of biotic and climatic change: records and proxy developments – Orals

Convener: S. Robinson | Co-Conveners: U. Heimhofer, A. Lukeneder, J. Whiteside, J. McElwain, R. Pancost

Room: 41

Chairperson: Stuart Robinson

- 13:30–13:45 EGU2012-4936
N. Wang, Y. Zong, and C. Brodie
 An examination of organic molecular compounds of a lake sediment sequence to help explain organic carbon records of climate and environmental changes
- 13:45–14:00 EGU2012-11076
Y. Lu, Y. Hautevelle, and R. Michels
 Improvements of palaeochemotaxonomy as a palaeofloristic proxy using artificial maturation of extant conifers
- 14:00–14:15 EGU2012-4599
M. Heldt, J. Mutterlose, U. Berner, and J. Erbacher
 First high-resolution d13C-records across black shales of the Early Aptian Oceanic Anoxic Event 1a within the mid-latitudes of northwest Europe (Germany, Lower Saxony Basin)
- 14:15–14:30 EGU2012-12351
 C.J. Wesseln, **L. Mander**, J.C. McElwain, and S.W. Punyasena
 The preservation of pollen and spores across the Triassic-Jurassic transition in East Greenland
- 14:30–14:45 EGU2012-13755
P. E. Olsen, M. F. Schaller, D. V. Kent, and M. Et-Touhami
 Was it the CO₂ or the sulfur that did it? The mechanism of mass extinction of continental vertebrates at the end-Triassic extinction.
- 14:45–15:00 EGU2012-13647
J.H. Whiteside and D. Grogan
 Orbital Forcing of a Low-Latitude Lacustrine Ecosystem During the Middle Devonian: Implications for the Onset of the Middle Paleozoic Icehouse World

SSP4.6 – Phanerozoic marginal and terrestrial palaeoenvironments as archives of biotic and climatic change: records and proxy developments – Posters

Convener: S. Robinson | Co-Conveners: U. Heimhofer, A. Lukeneder, J. Whiteside, J. McElwain, R. Pancost

Hall A | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: Stuart Robinson

- A393 EGU2012-13424
D.A.T. Harper, E. Hammarlund, J.W. Hansen, A.T. Nielsen, J.A. Rasmussen, M.P. Smith, M. Stein, and J. Vinther
 Biofacies and faunal dynamics through the Sirius Passet Lagerstätte (lower Cambrian),
- A394 EGU2012-1882
J. Vasiškova, E. Lukševičs, ? Stinkulis, and I. Zupišs
 Upper Devonian vertebrate taphonomy and sedimentology from the Klunas fossil site, Tervete Formation, Latvia

- A395 EGU2012-73
O. Kossovaya
Climatic - biotic continuum - a few examples from the Pennsylvanian - Early Permian
- A396 EGU2012-284
A. Lukeneder and S. Lukeneder
The Orthoceltites beds - a case study on a Triassic mass-occurrence (Carnian, Taurus, Turkey)
- A397 EGU2012-13185
L. Mander, W.M. Kürschner, and J.C. McElwain
Palynostratigraphy and vegetation history of the Triassic-Jurassic transition in East Greenland
- A398 EGU2012-13359
M. Ruhl, C.V. Ullmann, W. Mette, and C. Korte
Carbon-cycle disturbances and environmental change preceding the end-Triassic mass extinction
- A399 EGU2012-13928
J.H. Whiteside and M. Et-Touhami
Excursions in Stable Carbon Isotopes at the End-Triassic Mass Extinction: Eastern North America and Morocco
- A400 EGU2012-11358
Y. Hautevelle, **Y. Lu**, and R. Michels
Tracing of palaeoenvironmental changes during Jurassic in the Paris Basin: contributions of organic geochemistry
- A401 EGU2012-7647
S.A. Robinson, A. Walker, and T.C. Atkinson
What was the oxygen-isotopic composition of Jurassic precipitation?
- A402 EGU2012-5736
R. Navarrete, J.P. Rodríguez, C.L. Liesa, and A.R. Soria
Preservation of dinosaur tracks beds in a synrift back-barrier system. Barremian Camarillas Formation, Galve sub-basin (northeast Spain)
- A403 EGU2012-4228
U. Heimhofer, S. Burla, F. Oberli, C. Paulukat, J. L. Dinis, and H. Weissert
Sr isotope composition of low-Mg oyster shell calcite for stratigraphic assignment of Early Cretaceous near-shore deposits (Lusitanian Basin, Portugal)
- A404 EGU2012-7263
C. Fay, S. Robinson, J. McElwain, S. Hesselbo, G. Pedersen, R. Barclay, K. Amor, and P. Bown
C-isotope stratigraphy of plant-rich, non-marine sediments: towards an integrated record of mid-Cretaceous carbon cycling
- A405 EGU2012-7162
G. Hofer, M. Wagreich, E. Draganits, S. Neuhuber, M.L. Grundtner, and M. Bottig
Geochemistry of Upper Cretaceous non-marine - marine cycles (Gosau Group, Austria)
- A406 EGU2012-7360
Y. Weber, **S. Voigt**, J. Pross, T. Voigt, and J. Kley
Continental climate dynamics prior to uplift of the Northern Tien Shan - the Oligocene-Miocene succession of the Ili Basin, southeastern Kazakhstan
- A407 EGU2012-4280
T. Matys Grygar, K. Mach, **T. Novakova**, and J. Laurin
Chemostratigraphy of lacustrine siliciclastics: how to process 200 m of monotonous mudstones (Most Basin, Czech Republic, Early Miocene)
- A408 EGU2012-6401
N.S. Davies, J.C. Gosse, and N. Rybczynski
Cross-stratified Wood: Enigmatic Woody Debris Deposits in Warm-Polar Fluvial Sediments (Pliocene Beaufort Formation, Nunavut)
- A409 EGU2012-8721
T. Laepple and G. Lohmann
Core-top calibrations cannot detect seasonality of marine temperature proxies

IG1/GMPV2.3/HS2.22/SSP5.1/SSS13.5/TS1.8 – Stable isotopes in geosciences - open session, including blocks of special attention (co-organized) – Orals

Convener: P. De Groot | Co-Conveners: Dr. Bojar, E. Kerstel, J. Smit, D. R. Gröcke, Ph. Negrel, E. Petelet-Giraud

Room: 42

Chairperson: A-V. Bogar, P. de Groot

- 08:30–08:45 EGU2012-9015
L. Lobo, P. Degryse, and F. Vanhaecke
Exploring antimony isotope ratio variations for provenancing purposes

- 08:45–09:00 EGU2012-12785
A. Stracke, E.T. Tipper, and M. Bizimis
High-temperature, inter-mineral Mg stable isotope fractionation in mantle xenoliths
- 09:00–09:15 EGU2012-11556
S. Açıkalın, J. Smit, Ö. Yılmaz, S. Goderis, H.B. Vonhof, F. Ocaklı, P. Claeys, E. Fornaciari, S. Özkan Altın, and J. Vellekoop
Isotopic and geochemical characterization of the K-Pg boundary sections from Central Sakarya Region, Turkey; a discussion on possible double impact
- 09:15–09:30 EGU2012-523
A. J. Prado-Pérez, M. C. Patón, J. Rodríguez Arévalo, and M. F. Diaz Teijeiro
Tips and tricks to perform reliable stable isotope analysis with a Picarro CRDS
- 09:30–09:45 EGU2012-13328
N. Saad and **J. Hoffnagle**
Online Compound-Specific $\delta^{13}\text{C}$ and $\delta^2\text{D}$ Determinations Using Laser Spectroscopy
- 09:45–10:00 EGU2012-2411
M. Battistel, A. Garone, M. Barbieri, and B. Parisse
Traditional ($\delta^2\text{D}$, $\delta^{18}\text{O}$) and non-traditional (Sr-87/Sr-86) isotopes approach to vertical lake profile study

COFFEE BREAK

Chairperson: Ph. Negrel, E. Petelet-Giraud

- 10:30–10:45 EGU2012-1234
S. Dogramaci, G. Skrzypek, W. Dodson, and P. Grierson
Identifying recharge pattern using stable isotopes of rainfall in semi arid subtropical northwest Australia
- 10:45–11:00 EGU2012-1154
J. Batlle-Aguilar, G.A. Harington, M. Leblanc, and P.G. Cook
Geologic controls on groundwater discharge in large tropical rivers: an environmental tracers approach
- 11:00–11:15 EGU2012-8943
O. Kracht
Isotopic composition (oxygen and hydrogen) of groundwater in Norway - a review of current knowledge and future perspectives
- 11:15–11:30 EGU2012-9507
T.W. Vennemann
Isotopic (H, O, and C-DIC) tracing of Rhone river water and mixing within Lake Geneva determined using the MIR submersibles
- 11:30–11:45 EGU2012-2062
R. Millot, C. Guerrot, E. Petelet-Giraud, A. Brenot, and Ph. Négrel
Hydrogeochemistry of the surface waters of the Ebro River Basin (Spain): a multi-isotopic characterization (H-O-Li-B-Sr isotopes)
- 11:45–12:00 EGU2012-5298
C. Briand, V. Plagnes, M. Sebilho, P. Ribstein, T. Chesnot, and M. Schneider
Characterization of the nitrate source in a karstic spring (southwest of France): use of isotopic biogeochemistry

BG6.3/CL5.14/SSP5.4 – Micropaleontology: a key to modern and ancient environments (co-organized) – Orals

Convener: K. Koho | Co-Conveners: F. Jorissen, A. Sluijs, C. Fontanier

Room: 23

Chairperson: n.n.

- 08:30–08:45 EGU2012-4722
N. Dijkstra, J. Junttila, K. Husum, J. Carroll, D. Klitgaard-Kristensen, and M. Hald
Benthic foraminifera as indicators of pollution in high latitude marine environments
- 08:45–09:00 EGU2012-3861
H. Kitazato, N. Ohkawara, A. Iwasaki, H. Nomaki, I. Akoumianaki, and H. Tokuyama
Live (Rose-bengal stained) foraminifera from deep-sea anoxic salt brine in the Eastern Mediterranean: toward understanding limit of life for single-celled eukaryotes (foraminifera)
- 09:00–09:15 EGU2012-13508
R.J. Telford and M. Kucera
Consequences of the mismatch between the depth at which planktonic foraminifera live and the calibration depth of SST transfer functions

- 09:15–09:30 EGU2012-11943
H. Takagi, K. Moriya, T. Ishimura, A. Suzuki, H. Kawahata, H. Hirano, and IODP Exp. 330 Scientists
 Individual ontogenetic stable isotope records of Recent planktonic foraminifers: Testing for algal photosymbiosis
- 09:30–09:45 EGU2012-5731
J.C. Wit, L.J. de Nooijer, R. Hennekam, G.J. de Lange, and G.J. Reichart
 Foraminiferal Na/Ca as a tool to reconstruct salinity
- 09:45–10:00 EGU2012-11727
T. Hesse, D. Wolf-Gladrow, J. Bijma, G. Lohmann, and R. Zeebe
 Impact of vital effects and carbonate chemistry on $\delta^{13}\text{C}$ in benthic foraminifera: model sensitivity experiments

BG6.3/CL5.14/SSP5.4 – Micropaleontology: a key to modern and ancient environments (co-organized) – Posters

Convener: K. Koho | Co-Conveners: F. Jorissen, A. Sluijs, C. Fontanier

Poster Area BG | Display Time 08:00–17:00

Author in Attendance: 15:30–17:00

Chairperson: Koho/Jorissen

- BG68 EGU2012-4283
C. Lopes
 Statistical considerations on the application of Micropaleontology in order to reconstruct past environments: a diatom case study.
- BG69 EGU2012-7899
M. Theodor, Y. Milker, A. Müller, and G. Schmiel
 Paleoecology of benthic foraminifers from Paleogene shelf environments: Example from the “Latdorf” transgression in northeastern Germany
- BG70 EGU2012-4068
M.A. Kaminski, S. Kender, A. Ciurej, and R. Balc
 Pliocene-Pleistocene Benthic Foraminiferal assemblages in the Southern Bering Sea, (IODP Expedition 323).
- BG71 EGU2012-1066
A. Cortina, F.J. Sierro, G. Filippelli, and J.A. Flores
 The orbital control of the sea level and past climatic changes in the Gulf of Lions (off south of France) from 133 kyr to 400 kyr
- BG72 EGU2012-13830
J. M. Bouchal
 High resolution taxonomic study of the late Eocene (~34 Ma) Florissant palynoflora, Colorado, USA
- BG73 EGU2012-9385
A. Bornemann, R. Walther, S. D'haenens, C. Joachim, R.P. Speijer, J. Mutterlose, and R.D. Norris
 Microfossil response to the PETM at DSDP Site 401 (eastern North Atlantic)
- BG74 EGU2012-2373
M. Saeidi Ortakand and S. Hasegawa
 Biostratigraphy and paleoceanography of the Japan Sea in Joetsu Basin since 120 cal. kyr BP
- BG75 EGU2012-5800
D. Theobalt and O. Mandic
 Badenian planktonic foraminifera as climate proxies at the southern margin of the Central Paratethys (Ugljevik, Bosnia and Herzegovina)
- BG76 EGU2012-5401
K. Zamelczyk, T.L. Rasmussen, K. Husum, and M. Hald
 Climate changes and calcium carbonate dissolution of planktic foraminifera assemblages over the last 30,000 years in the Fram Strait
- BG77 EGU2012-11662
S. Iepure, T. Namiotko, A. Montanari, E. Brugiapaglia, M. Mainiero, S. Mariani, and M. Fiebig
 A comparison of modern and fossil ostracods from Frassassi Cave system (northeastern Apennines, Italy) to infer past environmental conditions
- BG78 EGU2012-7848
I. Hessler, M. Young, M. Mohtadi, A. Lückge, and H. Behling
 The distribution of organic-walled dinoflagellate cysts in marine surface samples of the eastern Indian Ocean in relation to environmental conditions
- BG79 EGU2012-6113
V.M.P. Bouchet, S. Hess, J.K. Dolven, and E. Alve
 The use of fossil benthic foraminifera to define reference conditions for present-day marine waters
- BG80 EGU2012-4744
N. Dijkstra, J. Juntila, K. Husum, J. Carroll, and M. Hald
 Assessing environmental impact from gas and oil exploration in the SW Barents Sea using benthic foraminiferal assemblages

- BG81 EGU2012-10288
E. Bertoni, L. Bertello, L. Capotondi, C. Bergami, F. Giglio, M. Ravaioli, C. Rossi, and A. Ferretti
Benthic foraminifera as indicators of hydrologic and environmental conditions in the Ross Sea (Antarctica)
- BG82 EGU2012-11885
J. Vidovi?, V. ?osovi?, M. Jura?i?, and ?. Benac
Total assemblages of benthic foraminifera from a mixed siliciclastic/carbonate inner shelf; preliminary results from the bays of Soline and Nin (Adriatic Sea, Croatia)
- BG83 EGU2012-2203
F. Fiorini and S. W. Lokier
Recent benthic foraminiferal assemblages and sedimentary facies distribution from marginal marine environment of Abu Dhabi region (Arabian Gulf)
- BG84 EGU2012-11503
E. Salgueiro, T. Rodrigues, F. de la Granda, N. Villaceros-Robineau, F. Alonso, D. Zuñiga, P. A. Martin, C.G. Castro, A. Voelker, and F. Abrantes
Temperature calibration along the NW Iberian margin: multi-proxy approach
- BG85 EGU2012-564
D. Evans and W. Müller
Foraminifera Mg/Ca palaeothermometry in a high CO₂ world - appropriate correction for secular change in seawater chemistry
- BG86 EGU2012-5045
T. Kuhnt, O Friedrich, G. Schmiedl, Y. Milker, A. Mackensen, and R. Schiebel
Relationship between the pore density in benthic foraminifera and bottom-water oxygen content
- BG87 EGU2012-8203
K.A Koho, E Pina-Ochoa, E. Geslin, and N. Risgaard-Petersen
Vertical migration, nitrate uptake and denitrification: survival mechanisms of foraminifers (*Globobulimina turgida*) under low oxygen conditions
- BG88 EGU2012-7745
A. Movellan, R. Schiebel, M.V. Zubkov, A. Smyth, H.. Howa, and **F. Jorissen**
Quantification of individual foraminifer protein content using nano-spectrophotometry
- BG89 EGU2012-5527
C.-W. Chien, C.-Y. Huang, H.-C. Lee, S.-D. Luo, S.-Y. Jiang, and C.-H. Liu
Polymorphic authigenic carbonates and foraminifera taphonomical characteristics of a paleoseep, Southwestern Taiwan

TS4.1/GM3.5/SSP3.4 – Tectonics, sedimentation and surface processes: from the erosional engine to basin deposition (sponsored by IAS) (co-listed) – Posters

Convener: A. Whittaker | Co-Conveners: S. Castellort, L. Kirstein, J. Vergés

Hall A | Display Time 08:00–17:00

Author in Attendance: 10:30–12:00

Chairperson: n.n.

- A426 EGU2012-4641
A. Beckers, B. Bovy, and A. Demoulin
Factors of knickpoint migration on the moderately uplifted Ardennes Plateau, Western Europe
- A427 EGU2012-4732
A. Demoulin, A. Beckers, G. Rixhon, R. Braucher, D. Bourlès, and L. Siame
A refined model of Quaternary valley downcutting emphasizing the interplay between tectonically triggered regressive erosion and climatic cyclicity
- A428 EGU2012-11198
E. Karymbalis, M. Ferentinou, K. Gaki-Papanastassiou, D. Papanastassiou, and H. Maroukian
Late Quaternary stream incision rates due to tectonic uplift in North Peloponnese, Greece
- A429 EGU2012-11826
F. Giaconia, G. Booth-Rea, J.M. Martínez-Martínez, V. Pérez-Peña, and J.M. Azañón
Geomorphic analysis of the Sierra Cabrera, an active pop-up in the constriction domain of conjugate strike-slip faults: the Palomares and Polopos fault zones (eastern Betics, SE Spain)
- A430 EGU2012-12654
J.M. Azañón, V. Pérez-Peña, **F. Giaconia**, G. Booth, M.J. Rodríguez-Peces, and C. Ureña
Uplift and active folding in the western sector of Sierra Nevada (Betic Cordillera, SE Spain).
- A431 EGU2012-11883
F. Giaconia, G. Booth-Rea, J.M. Martínez-Martínez, J.M. Azañón, and I. Villegas
Fault segment linkage and growth of the Polopos transpressive fault zone and its influence on Pleistocene drainage captures (southeastern Betics).

- A432 EGU2012-11819
D. Gioia, M. Moretti, S. Gallicchio, and M. Schiattarella
 Morphometric analysis of drainage network in the northern sector of the southern Italian foredeep: implications for fluvial denudation processes and Late Quaternary geomorphological evolution
- A433 EGU2012-4814
A. Whittaker, S. Erhardt, A. Norori-McCormac, and F. Knight
 Quantifying the controls on grain size export from tectonically perturbed catchments: Case studies from Sicily, Calabria and Abruzzo, Italy
- A434 EGU2012-7786
F. Mirabella, M. Menichelli, F. Pazzaglia, S. Pucci, L. Melelli, L. Saccucci, and M.R. Barchi
 Tectonic control on extensional basins infill and on rivers incision. Examples from the Northern Apennines of Italy
- A435 EGU2012-6966
 T. Salles, **G. Duclaux**, J. Mansour, P. Rey, and L. Moresi
 Testing basin-scale evolution concepts on a supercomputer at realistic tectonic and sedimentary rates
- A436 EGU2012-2733
M. Collignon, B. Kaus, M. Frehner, S. Castelltort, G. Simpson, and J.P. Burg
 Modeling interactions between tectonics and surface processes in the Zagros Mountains, Iran
- A437 EGU2012-9466
G. Zeilinger, P. Ballato, M. R. Ghassemi, G. Heidarzadeh, H. R. Javadi, and M. Baghernejad
 Structural evolution and internal deformation of the Turkish-Iranian Plateau in northwestern Iran
- A438 EGU2012-3394
A. Bande, E.R. Sobel, A. Mikolaichuk, and R. Teslyuk
 Deciphering intracontinental basin evolution: the Fergana depression example.
- A439 EGU2012-4464
S.-Y. Huang, Y.-G. Chen, T.-K. Liu, C.-H. Lo, G. Yin, and Z. Cao
 Distributed unroofing history in the central and eastern Lhasa Terrane: revealed by multiple thermochronometers on detrital samples
- A440 EGU2012-13553
P. Štápaníková, M. Danišík, and N. J. Evans
 Thermochronological record of long term faulting, burial and exhumation history in the Sudetes (Bohemian Massif, Central Europe): a multi-system thermochronological approach
- A441 EGU2012-11351
F.U. Bauer, S. Roller, R.W. Grobe, U.A. Glasmacher, M. Hinderer, U. Ring, and V.S. Mambo
 Constraining the thermal and erosional evolution of the Rwenzori Mtns, Albertine Rift, by detrital thermochronology
- A442 EGU2012-394
N. B. Palacios García and M. Martini
 Provenance changes for sandstones from the Sierra de los Cuarzos (central Mexico): the possible record of a terrane accretion
- A443 EGU2012-8022
M. Genti, J. Malavieille, G. Molli, S. Dominguez, A. Taboada, and A. Vitale-Brovarone
 Development of tectono-sedimentary mélanges in accretionary wedges: Insights from analog modeling
- A444 EGU2012-13452
L. Mocochain, G. Clauzon, J. Robinet, C. Blanpied, J.P. Suc, C. Gorini, A. Al Abdalla, and F. Azki
 Messinian Erosional Surface in the Levantin margins: geodynamic implications.
- A445 EGU2012-4291
 C. Bonnel, **D. Huyghe**, B. Nivière, G. Messenger, D. Dhont, B. Fasentieux, Y. Hervouët, and J-P. Xavier
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