
EGU 2008 Meeting Programme

Stratigraphy, Sedimentology & Palaeontology

Monday

SSP1 Open session on stratigraphy, sedimentology and palaeontology - posters only (co-listed in CL, co-sponsored by IAS) – Posters

Convener: Jarvis, I.
Co-Convener(s): Gröcke, D., Taylor, K., Vecoli, M.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: JARVIS, I.

XY0730; EGU2008-A-08812; SSP1-1MO5P-0730
Paulissen, W.E.; Luthi, S.M.; Hodgson, D.M.
The geometry of lobe elements in basin-floor Fan 4, Permian Skoorsteenberg Formation, Tanqua-Karoo Basin, South Africa

XY0731; EGU2008-A-09979; SSP1-1MO5P-0731
Tyrrell, S.; Haughton, P.D.; Daly, J.S.; Leleu, S.; Souders, K.; Sylvester, P.
Sand provenance in Triassic basins along the NE Atlantic margin – implications for Pangaeon drainage evolution and reservoir sandstone distribution.

XY0732; EGU2008-A-10086; SSP1-1MO5P-0732
Ferri, P.; Vrsaljko, D.; Miknić, M.; Hajek-Tadesse, V.
Pannonian fluvial-lacustrine clastic sediments of marginal area of Žumberak Mt (NW Croatia, Central Paratethys)

XY0733; EGU2008-A-07243; SSP1-1MO5P-0733
Drinia, H.
Sedimentary facies analysis and palaeoecology of an early Tortonian turbidite-like sequence in Gavdos island, Greece.

XY0734; EGU2008-A-07373; SSP1-1MO5P-0734
O'Donnell, R.; Thierens, M.; Dorschel, B.; **Wheeler, A.**
IODP Expedition 307: A high resolution record of contourite deposition and palaeoclimatic forcing on the eastern Porcupine Seabight (Irish continental margin)

XY0735; EGU2008-A-08978; SSP1-1MO5P-0735
Balsinha, M.J.; Rodrigues, A.; Taborda, R.
The sediment cover between Nazaré Submarine Canyon and Ericeira, Portugal

XY0736; EGU2008-A-10649; SSP1-1MO5P-0736
Guerreiro, C.; Pombo, J.; Rodrigues, A.; Oliveira, A.; Duarte, J.; Taborda, R.
Submarine canyons imprint on the shelf sedimentary cover: the Oporto, Aveiro and Nazaré submarine canyons (NW Iberian margin)

XY0737; EGU2008-A-08402; SSP1-1MO5P-0737
Lobo, F.J.; Noormets, R.; Maldonado, A.; Llave, E.; Rey, J.
Submarine dunes superimposed on sand banks and other large-scale sedimentary bodies on the Gulf of Cadiz shelf near the Strait of Gibraltar

XY0738; EGU2008-A-10770; SSP1-1MO5P-0738
Maisonnave, C.; Christophoul, F.; Soula, J.C.
Downstream paleofluvial morphology changes in a compressive foothill: case from the Eocene molasses of the northern pyrenean foreland basin

XY0739; EGU2008-A-10846; SSP1-1MO5P-0739
Lutterschmid, E.; Placht, S.; Huber, J.; Roeder, J.; Huerkamp, K.; Leopold, M.; Voelkel, J.
Classification of subsurface sediments to assess the importance of slope deposits and saprolites within the critical zone (Bavarian Forest, Germany)

XY0740; EGU2008-A-11256; SSP1-1MO5P-0740
Ochmański, T.; Bieñkowska, M.
Microbial structures as indicators of energy of paleoenvironment - an example from flysch basin (Polish Outer Carpathians, Menilite Formation, Oligocene)

XY0741; EGU2008-A-11318; SSP1-1MO5P-0741
Ochmański, T.
Petrographical perspective on microbial structures' response to energy of environment – in the search for general model

XY0742; EGU2008-A-02610; SSP1-1MO5P-0742
Böttig, M.; Gier, S.; Jilg, W.
Diagenetic alteration in sandstones of the gas-, water-, and transition- zone of a gas reservoir, Molasse Zone, Austria

XY0743; EGU2008-A-07249; SSP1-1MO5P-0743
Roberts, D.; Davidsen, B.; Slagstad, T.
Detrital zircon age record of platform and basinal Neoproterozoic sandstones from Varanger Peninsula, North Norway: a preliminary study

XY0744; EGU2008-A-05549; SSP1-1MO5P-0744
Spence, G.; Jäger, H.; Bechstädt, T.
Neoproterozoic Ice Patch Earth: The paradox of low latitude sea level glaciation coeval with regions of open ocean

XY0745; EGU2008-A-04517; SSP1-1MO5P-0745
Korchagin, O.; Zlobin, V.; Dubinina, S.; Lyapunov, S.; Gorbunov, A.; Tsel'movich, V.
Geochemical anomalies around Lange Ranch eustatic event and impact event in the Batyrbay Stage of the Upper Cambrian (Malyi Karatau, South Kazakhstan)

XY0746; EGU2008-A-03517; SSP1-1MO5P-0746
Dubinina, S.V.
The Ordovician conodont scale of the Southern Urals - one of the few scales related to the Tropical Domain of the Open-Sea Realm (OSR)

XY0747; EGU2008-A-07283; SSP1-1MO5P-0747
Berthault, G.; **Izotov, V.;** Sitdikova, L.; Lalomov, A.
Features of hydrodynamic regime of Later Permian paleobasins of Russian platform in the zone of facial interrelation

XY0748; EGU2008-A-01569; SSP1-1MO5P-0748
Khoshnoodkia, M.; Mohseni, H.; Hajian, M.; Rafeie, B.
Identification maximum flooding surface at Dashtak formation and accordance with sea level change and eustasy in Aghar#1, West Aghar#1 and Naura#1 Subcostal Fars in Iran

XY0749; EGU2008-A-09829; SSP1-1MO5P-0749
Efimenko, N.; Matera, V.; Adatte, T.; Foellmi, K.
Cadmium anomalies in Jurassic carbonates in western and southern Europe: towards the causes and mechanisms

XY0750; EGU2008-A-03369; SSP1-1MO5P-0750

Di Lucia, M.; Parente, M.

Biochemostratigraphy of Upper Barremian-Lower Albian shallow-water carbonates of southern Apennines (Italy): high-resolution dating and correlation with deep-water reference sections

XY0751; EGU2008-A-09586; SSP1-1MO5P-0751

Bornemann, A.

Calcareous nannofossil and planktic foraminiferal biostratigraphy of the Paleocene-Eocene interval in the Bay of Biscay

XY0752; EGU2008-A-10378; SSP1-1MO5P-0752

Abu Shama, A

Biostratigraphy and distribution of calcareous nannofossils of the Miocene rocks from the onshore Mallaha-1X and Abu Roda-1 wells, northwestern Sinai, Egypt

XY0753; EGU2008-A-01798; SSP1-1MO5P-0753

Boev, B.

Afro-tropical and Afro-Indo-Malayan elements in the Neogene avifauna of Bulgaria and their paleozoogeographical implementations (cancelled)

XY0754; EGU2008-A-02725; SSP1-1MO5P-0754

Hart, M.; Smart, C.; Fisher, J.; Leng, M.

The distribution and preservation of Pleistocene pteropods in marine sediments near the island of Montserrat, Lesser Antilles Volcanic Arc

XY0755; EGU2008-A-07533; SSP1-1MO5P-0755

Gudmundsdottir, E.R.; Eiriksson, J.; Larsen, G.

Definition of tephra layers in volcanic marine environments using major element geochemistry, grain size, mineralogy, and grain morphology. A case study from the North Icelandic shelf.

XY0756; EGU2008-A-07618; SSP1-1MO5P-0756

Marciano, R.; Petrosino, P.; Santangelo, N.; Santo, A.

Occurrence of the Tephrostratigraphic Markers X5-X6 in the Campanian Quaternary Successions (southern Italy)

XY0757; EGU2008-A-08154; SSP1-1MO5P-0757

Keulen, N.; Bernstein, S.; Frei, D.; Knudsen, C.; Gunatillaka, A.; McLimans, R.

The application of CCSEM to heavy mineral beach sands: a provenance analysis around the coast of Sri Lanka

XY0758; EGU2008-A-02693; SSP1-1MO5P-0758

Lenaz, D.; Marciano, R.; Veres, D.; Dietrich, S.; Sirocko, F. Mineralogy of the Dehner maar tephra layers (Germany; Eifel Laminated Sediment Archive, ELSA)

XY0759; EGU2008-A-10699; SSP1-1MO5P-0759

Franceschi, M.; Teza, G.; Preto, N.; Pesci, A.; Galgaro, A.

Laser scanner-based discrimination between marls and limestones in a stratigraphic section

XY0760; EGU2008-A-01608; SSP1-1MO5P-0760

Naimi-Nezamabad, A.; Hoseini-Sarafi, N.A.S

The application GIS, RS and artificial Neural network of modeling of sediment prediction, a case study : Golestan Dam II basin, Iran

XY0761; EGU2008-A-08325; SSP1-1MO5P-0761

Groenenberg, R.; Athmer, W.; Donselaar, M.; Luthi, S.; Sokoutis, D.; Willingshofer, E.

A Numerical Modeling Study on the Influence of Relay Ramps on the Pathways of Sediment Delivery into Rift Basins

XY0762; EGU2008-A-08995; SSP1-1MO5P-0762

Athmer, W.; Groenenberg, R. M.; Luthi, S. M.; Donselaar, M. E.; Sokoutis, D.; Willingshofer, E.

Combining sandbox and numerical experiments to study the influence of relay ramps on sedimentation in rift basins

SSP5 Continental environmental perturbations during the Palaeozoic-Cenozoic: Geochemical and palynological proxies (co-listed in CL)

Convener: Gröcke, D.

Co-Convener(s): Heimhofer, U., McElwain, J., Vecoli, M., Spina, A.

Lecture Room 3

Chairperson: N.N.

8:30–8:45; EGU2008-A-09147; SSP5-1MO10-001

Spina, A.; Vecoli, M.

Palynostratigraphy and miospore biodiversity dynamics across the Silurian-Devonian boundary in North Africa (Ghadamis Basin, southern Tunisia)

8:45–9:00; EGU2008-A-05129; SSP5-1MO10-002

Cirilli, S.; Marzoli, A.; Tanner, L.; Bertrand, H.; Buratti, N.; Jourdan, F.; Bellieni, G.

Palynology constrains the synchrony of widespread volcanism and Triassic-Jurassic boundary biotic crisis

9:00–9:15; EGU2008-A-05778; SSP5-1MO10-003

Patterson, W.P.

Seasonality and life history in a Jurassic ecosystem: isotopic evidence from the Great Estuarine Group of Scotland (solicited)

9:15–9:30; EGU2008-A-03776; SSP5-1MO10-004

Robinson, S.A.; Scotchman, J.I.; Atkinson, T.C.

How wet was the English Wealden? Insights into Early Cretaceous continental climates and environments from spherosiderite geochemistry. (solicited)

9:30–9:45; EGU2008-A-08054; SSP5-1MO10-005

Barke, J.; Brinkhuis, H.; Sangiorgi, F.; van der Burgh, J.; van Konijnenburg-van Cittert, H.; Collinson, M.E.; Speelman, E.; Reichart, G.-J.; van Kempen, M.; Lotter, A.F.; The Azolla Research-team

Extensive Azolla bloom in the Eocene Arctic Ocean: Indications for major episodes of fresh surface waters and possible consequences for global biogeochemical cycling (solicited)

9:45–10:00; EGU2008-A-01585; SSP5-1MO10-006

Weijers, JWH.; Donders, TH; Munsterman, DK; Kloosterboer-van Hoeve, ML; Buckles, L; Pancost, RD; Schouten, S; Sinninghe Damsté, JS; Brinkhuis, H

Coupled land-sea Miocene climate changes from the Southern North Sea Basin, NW Europe; a palynological and organic geochemical approach (solicited)

10:00 END OF SESSION

SSP5 Continental environmental perturbations during the Palaeozoic-Cenozoic: Geochemical and palynological proxies (co-listed in CL) – Posters

Convener: Gröcke, D.

Co-Convener(s): Heimhofer, U., McElwain, J., Vecoli, M., Spina, A.

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Poster Area Halls X/Y

Chairperson: N.N.

XY0763; EGU2008-A-01618; SSP5-1MO5P-0763

Adhikari, B.R.; Wagreich, M.

Sedimentation in the Cenozoic Thakholā-Mustang Graben (central Nepal)

XY0764; EGU2008-A-02376; SSP5-1MO5P-0764

Fayazi, F.; **Rezaei, Kh.;** Shahdadi, S; Taheri, S; Rafei, Z

Sedimentation model of gravel-dominated alluvial piedmont fan, Karaj-Shahrriar plain, Iran

XY0765; EGU2008-A-10574; SSP5-1MO5P-0765
van Hoof, T.B. ; Abbink, O.A.; van Konijnenburg-Van Cittert, J.H.A

Quantitative palynology in the Westphalian of the Dutch on- and offshore; innovations in palynostratigraphy and reservoir characterization

XY0766; EGU2008-A-10884; SSP5-1MO5P-0766

Calda, N.; Valloni, R.

Tectonic and climatic control of late pleistocene-holocene alluvial sedimentation in the southern Po river basin (Italy)

XY0767; EGU2008-A-04446; SSP5-1MO5P-0767

Ramirez Fernandez, J.A.; Garcia Obregón, R.; Velasco Tapia, F.; Jenchen, U.; de Leon Gomez, H.

Relationship between early Mesozoic red beds and rhyolitic volcanism in the Huizachal Valley during the initial rifting stage of the Sierra Madre Oriental in NE Mexico

XY0768; EGU2008-A-02764; SSP5-1MO5P-0768

Blahova, A.; Drabkova, J.; Grygar, T.; Lojka, R.

Elementary climate cycle of the Upper Palaeozoic continental cyclothems in the east equatorial Pangaea. Mšec Lake, the largest European Lake during the Stephanian B

XY0769; EGU2008-A-02098; SSP5-1MO5P-0769

Bonis, N.R.; Kuerschner, W.M.; Krystyn, L.

Palynological criteria to define the base of the Jurassic

XY0770; EGU2008-A-10762; SSP5-1MO5P-0770

Vecoli, M.; Thusu, B.; Rasul, S.; Paris, F.; Ghavidel-syooki, M.

High resolution palynostratigraphy of late Neoproterozoic through Silurian stratal sequences of peri-Gondwana

XY0771; EGU2008-A-09524; SSP5-1MO5P-0771

Heimhofer, U.; Burla, S.; Hochuli, P. A.; Adatte, T.; Weissert, H.

Coastal sediments from Portugal: Low-latitude climate archives for the Aptian-Albian

XY0772; EGU2008-A-11201; SSP5-1MO5P-0772

Gröcke, D.; Gray, T

The terrestrial Albian/Cenomanian boundary carbon-isotope excursion, Moose River Basin, Canada

XY0773; EGU2008-A-07478; SSP5-1MO5P-0773

Hasegawa, H.; Jiang, X.; Tada, R.

Atmospheric circulation system during the Cretaceous “greenhouse” world: New insights from the desert deposits in Asian interior

XY0774; EGU2008-A-04815; SSP5-1MO5P-0774

Scott, A.C.; Galtier, J.; Gostling, N.J.; Donoghue, P.C.J; Bengtson, S.; Stampanoni, M.; Collinson, M.E.; Smith, S.

Charred veg with Swiss: Synchrotron-based X-ray Tomographic Microscopy of Mississippian charcoallified pteridosperm fertile organs and their significance.

XY0775; EGU2008-A-10951; SSP5-1MO5P-0775

Perri, F.; Barone, M.; Muto, F.

Minero-petrographical and geological study of siliciclastic deposits of the Mesozoic succession in the western Calabria (southern Italy): preliminary investigation

XY0776; EGU2008-A-03420; SSP5-1MO5P-0776

Bugler, M. J.; Grimes, S. T.; **Price, G. D.;** Smart, C. W.; Hooker, J. J.; Collinson, M. E.

A palaeoclimatic study of the Eocene/Oligocene transition on the Isle of Wight, Hampshire Basin, UK

SSP6 Phanerozoic climate: forcing factors and feedbacks between biosphere and geosphere (co-listed in BG & CL)

Convener: Herrle, J.

Co-Convener(s): Weissert, H., Price, G., Negri, A., Petrizzo, M., Gröcke, D.

Lecture Room 3

Chairperson: HERRLE, J.; WEISSERT, H.

Paleozoic and Mesozoic climate: forcing factors and feedbacks between biosphere and geosphere

10:30–10:45; EGU2008-A-11080; SSP6-1MO2O-002

Vecoli, M.; Riboulleau, A.

Early Silurian “Hot Shales” in the Ghadamis Basin, North Africa: palynological and geochemical characterization, and depositional model

10:45–11:00; EGU2008-A-07899; SSP6-1MO2O-003

Crne, A.E.; Gorican, S.; Weissert, H.; Bernasconi, S.M.

Biocalcification crisis and negative stable carbon isotope anomaly at the Triassic-Jurassic boundary: a record from the pelagic Budva Basin (Montenegro)

11:00–11:15; EGU2008-A-02083; SSP6-1MO2O-004

Ruhl (1), M.; Kuerschner (1), W.M.; Reichart (2), G.-J.; Krystyn (3), L.

High resolution carbon isotope data of Triassic-Jurassic key sections in the western Tethys realm

11:15–11:30; EGU2008-A-03389; SSP6-1MO2O-005

Suan, G.; Rogov, M.A.; Baudin, F.; Mattioli, E.; Pittet, B.; Mailliot, S.; Fourel, F.; Lécuyer, C.

Massive release of light carbon and rapid sea-level rise at the onset of the Early Toarcian Oceanic Anoxic Event (Jurassic)

11:30–11:45; EGU2008-A-02808; SSP6-1MO2O-006

Hart, M.; Hudson, W.; Smart, C.

Jurassic planktic foraminifera and their contribution to our understanding of the Jurassic oceanic system

11:45–12:00; EGU2008-A-06627; SSP6-1MO2O-007

Kemp, D.B.; Simmons, M.D.; Sharland, P.R.; Lodola, D.; Nunn, E.V.

Isotopic evidence for palaeoclimate–sea-level linkages in the Mesozoic

12:00 LUNCH BREAK

Chairperson: PRICE, G.; NEGRI, A.

Mesozoic climate: forcing factors and feedbacks between biosphere and geosphere

13:30–13:45; EGU2008-A-10279; SSP6-1MO3O-002

Price, G.D.; Nunn, E.V.

Early Cretaceous marine isotope records from Siberia

13:45–14:00; EGU2008-A-01039; SSP6-1MO3O-003

Gréselle, B.; Pittet, B.; Reboulet, S.

Glacio-eustasy during the Valanginian - Early Cretaceous: evidence from the peri-vocontian zone (SE France)

14:00–14:15; EGU2008-A-05548; SSP6-1MO3O-004

Herrle, J.O.

Paleoceanography of lower Upper Aptian black shale events in the Western Tethys

14:15–14:30; EGU2008-A-03186; SSP6-1MO3O-005

Parente, M.; Di Lucia, M.; Frijia, G.; Steuber, T.

To drown or not to drown: carbonate platforms during Cretaceous oceanic anoxic events

14:30–14:45; EGU2008-A-08484; SSP6-1MO3O-006
Westermann, S.; Fiet, N.; Fleitmann, D.; Caron, M.;
Matera, V.; Adatte, T.; Föllmi, K. B.
Absence of anoxic conditions during OAE 2 in the Helvetic
realm?

14:45–15:00; EGU2008-A-07567; SSP6-1MO3O-007
Voigt, S.; Schönfeld, J.
Late Cretaceous carbon cycle changes – insights from a new
Coniacian – Maastrichtian carbon isotope curve of the bo-
real chalk succession at Lägerdorf–Kronsmoor (N-Germany)

15:00 COFFEE BREAK

Chairperson: PETRIZZO, M.; GRÖCKE, D.

Mesozoic and Cenozoic climate: forcing factors and
feedbacks between biosphere and geosphere

15:30–15:45; EGU2008-A-03463; SSP6-1MO4O-002
Floegel, S.; Dullo, C.; Parkin, G.; Pollard, D.; Hay, W. W.;
Wagner, T.

Continental hydrology and its linkages to the marine realm
and organic rich sediments – from the Late Cretaceous
greenhouse to the Future

15:45–16:00; EGU2008-A-02050; SSP6-1MO4O-003
Adatte, T.; Keller, G.; Gardin, S.; Bartolini, A.; Bajpai, S.
Main Deccan volcanism phase ends at K-T mass extinction:
evidence from the Krishna-Godavari Basin, SE India

16:00–16:15; EGU2008-A-09539; SSP6-1MO4O-004
Speijer, R.P.; Bornemann, A.; Schulte, P.; Stassen, P.
Ice in the middle Cretaceous to early Paleogene greenhouse:
a continuing paradox

16:15–16:30; EGU2008-A-06859; SSP6-1MO4O-005
Petrizzo, M. R.
The impact of climate instability on marine ecosystems:
planktonic foraminiferal biological response to the latest Al-
bian Oceanic Anoxic Event 1d and to the Paleocene-Eocene
Thermal Maximum

16:30–16:45; EGU2008-A-07541; SSP6-1MO4O-006
De Bernardi, B.; Petrizzo, M.R.
Biometric study of calcareous plankton through late
Paleocene-early Eocene: a proxy to decipher climatic
signals?

16:45–17:00; EGU2008-A-08530; SSP6-1MO4O-007
Henderiks, J.
Late Miocene coccolithophore (r)evolution

17:00 END OF SESSION

SSP6 Phanerozoic climate: forcing factors and feedbacks between biosphere and geosphere (co-listed in BG & CL) – Posters

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M., Gröcke, D.
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NEGRI, A.; PETRIZZO, M.; GRÖCKE, D.

XY0777; EGU2008-A-05347; SSP6-1MO5P-0777
Al-Juboury, A.; Jones, B.; Hutton, A.; Al-Hadidy, A.
Depositional and burial history controls on the diagenetic
evolution of interbedded sandstones and shale: evidences
from the Ordovician Khabour Formation, western Iraq.

XY0778; EGU2008-A-07925; SSP6-1MO5P-0778
Chen, Z. Q.; Tong, J.; Kaiho, K.
Episodic anoxic events recorded in the Permian-Triassic
transition of the Meishan section, South China: Sedimentary
characterization and faunal responses

XY0779; EGU2008-A-01537; SSP6-1MO5P-0779
Yamanaka, A.; Yoshida, K.
Early Triassic noxious benthic environments in the South
Kitakami terrane, northeast Japan, and their biotic recovery

XY0780; EGU2008-A-07590; SSP6-1MO5P-0780
Ikeda, M.; Sakuma, H.; Tada, R.
High-resolution and continuous reconstruction of the
lower-middle Triassic pelagic sequence (Inuyama, Japan)
: Implication for the productivity recovery process from
end-Permian mass extinction

XY0781; EGU2008-A-02506; SSP6-1MO5P-0781
Ruhl, M.; Bonis, N.R.; Kuerschner, W.M.
Stomatal frequency analysis and carbon isotope stratigraphy
from the Germanic Basin: changing CO₂ levels during the
end Triassic

XY0782; EGU2008-A-03736; SSP6-1MO5P-0782
Littler, K.; Hesselbo, S. P.; Jenkyns, H. C.
A regional negative carbon-isotope excursion at the Pliens-
bachian – Toarcian boundary

XY0783; EGU2008-A-11074; SSP6-1MO5P-0783
Gavrilov, Yu.; Shchepetova, E.; Shcherbinina, E.
Volgian black-shale sediments of the Ivkino section, north-
ern Russian Platform: sedimentary structure, geochemical
and biotic record

XY0784; EGU2008-A-08838; SSP6-1MO5P-0784
Gressier, V.; Minoletti, F.; Emmanuel, L.; Renard, M.
The Valanginian/Hauterivian δ13C positive excursion
(Vocontian Bassin, southeastern France)

XY0785; EGU2008-A-03563; SSP6-1MO5P-0785
Méhay, S.; Keller, C.; Bernasconi, S. M.; Weissert, H.;
Erba, E.
The Early Aptian carbon isotope excursion: time scales,
associated environmental changes, causes

XY0786; EGU2008-A-03705; SSP6-1MO5P-0786
Keller, C. E.; Méhay, S.; Bernasconi, S. M.; Erba, E.;
Weissert, H.
Cretaceous carbon cycle and climate: Enigmatic beginning
of the Aptian C-cycle perturbation

XY0787; EGU2008-A-04544; SSP6-1MO5P-0787
Korchagin, O.; Andrukhovich, A.; Pokrovsky, B.; Star-
itsin, P.; Melnikova, O.
Two positive O₁₈ shifts in the Middle-Late Cenomanian of
the Crimea

XY0788; EGU2008-A-11047; SSP6-1MO5P-0788
Gavrilov, Yu.; **Shcherbinina, E.;** Golovanova, O.;
Pokrovsky, B.; Aleksandrova, G.
Architecture of the Late Cenomanian OAE2 record in the
Central Dagestan, Eastern Caucasus

XY0789; EGU2008-A-04098; SSP6-1MO5P-0789
Lignum, J.; **Jarvis, I.;** Pearce, M.; Wunstorff
Scientific Party, *
Palaeoenvironmental change during the Cenomanian (100 –
94 Ma): new insights from organic-walled dinoflagellate
cysts, isotopic and elemental geochemistry, Wunstorff,
northern Germany

XY0790; EGU2008-A-06433; SSP6-1MO5P-0790
Neuhuber, S.; Wagreich, M.
Late Campanian Sr, C, and O isotopes recorded from the
Globotruncanita calcarata Zone (Austrian Alps)

XY0791; EGU2008-A-04804; SSP6-1MO5P-0791
Keller, G.; Abramovich, S.; Berner, Z.; Pardo, A.; **Adate, T.**
Did volcanism and climate change cause the K-T mass extinction?

XY0792; EGU2008-A-09029; SSP6-1MO5P-0792
Bomou, B.; Adate, T.; Matera, V.; Föllmi, K.B.
Phosphorus and carbon burial and climatic changes in Cretaceous oceanic anoxic events

XY0793; EGU2008-A-05090; SSP6-1MO5P-0793
Hlal, O.; Morad, S.; López-Blanco, M.
Linking the distribution of carbonate cement to sequence stratigraphy of delta complex sandstones: evidence from the Roda sandstone Formation (Eocene), South-Pyrenean Foreland Basin, NE Spain

XY0794; EGU2008-A-09321; SSP6-1MO5P-0794
Gallaud, A.; Lallier-Vergès, E.; Barrier, L.; Augier, R.; Di-Giovanni, C.; Charreau, J.; Chen, Y.
Palaeoenvironmental and palaeoclimatic reconstructions of the Northern Tianshan piedmont during the Neogene : a sedimentological study of Junggar basin series (Northwestern China).

XY0795; EGU2008-A-09096; SSP6-1MO5P-0795
Bornemann, A.; Speijer, R.P.; Steurbaut, E.; Sprong, J.; Schulte, P.; Youssef, M.
Benthic foraminiferal $\delta^{13}\text{C}$ records from the Danian-Selandian transition in Egypt

XY0796; EGU2008-A-09359; SSP6-1MO5P-0796
Sprong, J.; **Speijer, R.P.**; Bornemann, A.; Schulte, P.; Steurbaut, E.; Youssef, M.
Upper Danian – lower Selandian stratigraphy and paleoenvironment along a paleobathymetric transect in the Nile Basin (Eastern Desert, Egypt).

XY0797; EGU2008-A-09684; SSP6-1MO5P-0797
Scheibner, C.; **Speijer, R.P.**
The evolution of late Paleocene-early Eocene carbonate platforms of the Tethys

XY0798; EGU2008-A-09777; SSP6-1MO5P-0798
Dallanave, E.; Agnini, C.; Spofforth, D.; Muttoni, G.; Palike, H.; Rio, D.
The magneto-bio-chemostratigraphy of the Torrente Cicogna section (Italy): a record of Late Paleocene-Early Eocene climate

XY0799; EGU2008-A-10010; SSP6-1MO5P-0799
Bernaola, G.; Baceta, J.I.; Orue-Etxebarria, X.; Alegret, L.; Martín-Rubio, M.; Arostegui, J.; Dinarès-Turell, J.
The mid-Paleocene biotic event at the Zumaia section (western Pyrenees): evidence of an abrupt environmental disruption

XY0800; EGU2008-A-11372; SSP6-1MO5P-0800
Hoorn, M.C.; Dupont-Nivet, G.; Konert, M.; Krijgsman, W.; Langereis, C.G.; Abels, H.A.; Dai, S.; Fang, X.
New palynological evidence from the Eocene-Oligocene transition in the Xining Basin (Tibet, China): High altitude conifer taxa as possible indicators of early uplift and climatic cooling

XY0801; EGU2008-A-10226; SSP6-1MO5P-0801
Maiorano, P.; Marino, M.
The warm interglacial marine isotope stage 31: evidences from the calcareous nannofossil assemblages at ODP Site 1090 (Southern Ocean)

XY0802; EGU2008-A-10353; SSP6-1MO5P-0802
Ciaranfi, N.; Lirer, F.; Pelosi, N.; Lourens, L.; Maiorano, P.; Marino, M.; Sagnotti, L.; Sprovieri, M.; Stefanelli, S.; Brilli, M.
Astronomical calibration of Mediterranean Montalbano Jonico land section and implication for stable oxygen isotope, calcareous nannofossil and tephra records at the mid-Pleistocene revolution

XY0803; EGU2008-A-02337; SSP6-1MO5P-0803
Xiaodong, Liu; **Li, L.**
Orbital scale variability of the Asian monsoon modulated by the Tibetan Plateau uplift identified in a coupled ocean-atmosphere model

Tuesday

SSP2 Strengths and limitations of speleothem archives (co-listed in CL & IG)

Convener: Spötl, C.
Co-Convener(s): Fairchild, I., Fleitmann, D., Mangini, A.
Lecture Room 3
Chairperson: N.N.

13:30–14:00; EGU2008-A-00461; SSP2-1TU3O-001
Mattey, D.; Duffet, J.; Latin, J-P; Ballestrino, J.; Ainsworth, M; Durrell, R; Hodge, E; Atkinson, T; Fairchild, I; Frisia, S
Seasonal controls on speleothem growth and isotope climate records in St. Michaels Cave, Gibraltar. (solicited)

14:00–14:15; EGU2008-A-05521; SSP2-1TU3O-002
Beddows, P.A.; **Ford, D.C.**; Schwarcz, H.P.; Zhang, R.
Hydrochemical and isotopic variability of cave drip water along an elevation gradient and Holocene paleoenvironmental reconstruction, Vancouver Island, Canada.

14:15–14:30; EGU2008-A-10244; SSP2-1TU3O-003
Atkinson, T C; IsomapUK & Ascribe Team
Unison, harmony or cacophony? Similarities and differences among coeval isotope records from near-neighbour speleothems.

14:30–14:45; EGU2008-A-02402; SSP2-1TU3O-004
Fohlmeister, J.; Kromer, B.; Miorandi, R.; Spötl, C.; Skog, G.; Mangini, A.
C14 in speleothem drip water from Grotta di Ernesto, Italy

14:45–15:00; EGU2008-A-01888; SSP2-1TU3O-005
Kluge, T.; Marx, T.; Aeschbach-Hertig, W.
Paleotemperatures derived from fluid inclusion in stalagmites

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–16:00; EGU2008-A-00374; SSP2-1TU4O-001
Cheng, H.; Edwards, R. L.; Wang, Y. J.; Kong, X. G.; Wang, X. F.; Chen, S. T.; Jiang, X. Y.
The mystery of glacial terminations: evidence from Asian Monsoon records and their global correlations (solicited)

16:00–16:15; EGU2008-A-10238; SSP2-1TU4O-002
Jackson, A.S.; **McDermott, F.**; Mangini, A.
Late Holocene climate oscillations and ^{14}C fluctuations in speleothems: constraints on models for solar forcing.

16:15–16:30; EGU2008-A-05952; SSP2-1TU4O-003
Couchoud, I.; Hellstrom, J.; Drysdale, R.; Zanchetta, G.; Fallick, A.; Smith, T.
Comparing the timing of Termination II and the progression of the Last Interglacial using Northern and Southern hemisphere speleothem records

16:30–16:45; EGU2008-A-10551; SSP2-1TU4O-004
Kilian, R.; Schimpf, D.; Mangini, A.; Spötl, C.; Kronz, A.; Arz, H.
High resolution precipitation and wind record from the Southern Hemisphere Westerly Zone, based on speleothem proxies

16:45–17:00; EGU2008-A-05618; SSP2-1TU4O-005
Fleitmann, D.; Badertscher, S.; Göktürk, O.M.; Pickering, R.; Cheng, H.; Edwards, R.L.; Tüysüz, O.; Kramers, J.
A 50,000-year high-resolution stalagmite record from Northern Turkey

17:00 END OF SESSION

SSP2 Strengths and limitations of speleothem archives (co-listed in CL & IG) – Posters

Convener: Spötl, C.
Co-Convener(s): Fairchild, I., Fleitmann, D., Mangini, A.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0780; EGU2008-A-02071; SSP2-1TU5P-0780
Pagliara, A.; De Waele, J.; Forti, P.
Speleothem fabrics and carbonate inhibiting ions as proxies for climate reconstruction in SW Sardinia.

XY0781; EGU2008-A-06542; SSP2-1TU5P-0781
Fairchild, IJ; Wynn, PM; Baker, A
Speleothem archives in their biogeochemical context

XY0782; EGU2008-A-07482; SSP2-1TU5P-0782
Siklosy, Z.; Demeny, A.; Pilet, S.; Leel-Ossy, Sz.
Speleothems as a sensitive indicators of environmental pollution

XY0783; EGU2008-A-02921; SSP2-1TU5P-0783
Fischer, M. J.; Treble, P. C.
Calibration of isotope-climate transfer function for the interpretation of high-resolution speleothem records

XY0784; EGU2008-A-03793; SSP2-1TU5P-0784
Scheidegger, Y.; Kipfer, R.; Wieler, R.; Fleitmann, D.; Trösch, M.
A step to noble gas temperatures from fluid inclusions in stalagmites

XY0785; EGU2008-A-09823; SSP2-1TU5P-0785
Escala, M.; Rosell-Melé, A.; Fietz, S.; Baker, A.
Archaeal lipids in speleothems and the calibration of TEX86 in a new terrestrial archive

XY0786; EGU2008-A-05492; SSP2-1TU5P-0786
Blyth, A; Baker, A; Collins, M
Molecular analysis of organic matter in stalagmites: advantages and limitations

XY0787; EGU2008-A-10509; SSP2-1TU5P-0787
Daeron, M.; Guo, W.; Eiler, J.; Genty, D.; Wainer, K.; Affek, H.; Vonhof, H.; Blamart, D.
Quantitative speleo-thermometry? Using clumped-isotopes measurements to correct for kinetic isotope fractionations induced by CO₂ degassing

XY0788; EGU2008-A-05067; SSP2-1TU5P-0788
Spötl, C.; Treble, P.C.
Speleothems from Spannagel Cave, Austria: no link between trace elements and climate?

XY0789; EGU2008-A-08061; SSP2-1TU5P-0789
Luetscher, M.; Hoffmann, D.L.; Fleitmann, D.; Smart, P.L.
Reconstructing Holocene glacier fluctuations from alpine speleothems

XY0790; EGU2008-A-12246; SSP2-1TU5P-0790
Boch, R.; Spötl, C.; Frisia, S.
The origin of annual lamination in stalagmites from Katerloch Cave (Austria)

XY0791; EGU2008-A-08527; SSP2-1TU5P-0791
Riechelmann, D.F.C; Niggemann, S.; Richter, D.K.; Spötl, C.
Monitoring of Bunker Cave (Sauerland, Germany): preliminary results

XY0792; EGU2008-A-02553; SSP2-1TU5P-0792
Mason, J. E.; Rowe, P.; Andrews, J.; Kendall, A.; Thomas, L.; van Calsteren, P.; Marca-Bell, A.
A continuous oxygen and carbon isotopic record from 6-80ka in a speleothem from NE Turkey

XY0793; EGU2008-A-02395; SSP2-1TU5P-0793
Immenhauser, A.; Buhl, D.; Richter, D.; Vonhof, H.
Towards an improved understanding of the Magnesium isotope record in speleothem archives

XY0794; EGU2008-A-09676; SSP2-1TU5P-0794
Johnston, V.; McDermott, F.
An investigation of Cl-36 as a novel solar irradiance proxy in speleothems: preliminary results from European rainfall and shallow karst systems.

XY0795; EGU2008-A-04410; SSP2-1TU5P-0795
Soto, L.; **Onac, B. P.;** Polyak, V.; Asmerom, Y.; Bojar, A.-V.; Miller, T.
High-resolution record of the H4 event from a Puerto Rico speleothem

XY0796; EGU2008-A-05960; SSP2-1TU5P-0796
Couchoud, I.; Drysdale, R.; Hellstrom, J.; Zanchetta, G.; Woodhead, J.; Frisia, S.; Greig, A.
A multi-proxy study of an active subaqueous speleothem containing a 1 Ma palaeoclimate record

XY0797; EGU2008-A-08873; SSP2-1TU5P-0797
Scholz, D.; Frisia, S.; Borsato, A.; Spötl, C.; Fohlmeister, J.; Mühlinghaus, C.; Miorandi, R.; Mudelsee, M.; Kromer, B.; Mangini, A.
Holocene stalagmite indicates alternating influence of central European and Mediterranean climate in northern Italy

XY0798; EGU2008-A-10441; SSP2-1TU5P-0798
Tamas, T.; Bojar, A.-V.; Constantin, S.; Lauritzen, S.-E.
A 9,200-year d18O record of a stalagmite from NW Romania

XY0799; EGU2008-A-11058; SSP2-1TU5P-0799
van Breukelen, M.R.; **Vonhof, H.B.**
High-Resolution Cyclicity in a Late Holocene Peruvian Speleothem: Solar Forcing on Rainfall in Amazonia?

XY0800; EGU2008-A-02145; SSP2-1TU5P-0800
Tuccimei, P.; Soligo, M.; Ginés, J.; Ginés, A.; Fornós, J.; Kramers, J.; Villa, I.M.
Speleothem precipitation at the water table of Holocene meteoric-marine mixing zones in Mallorca (Western Mediterranean). Strengths and limitations as palaeoenvironmental and palaeoclimatic archives.

XY0801; EGU2008-A-11243; SSP2-1TU5P-0801
Banasiak, A.; Jimenez-Sanchez, M.; Stoll, H.; Dominguez, M.J.; Brunet, M.; Moreno, A.
Trace element variations and layer thickness analysis of recent laminated stalagmites from Asturias, Northern Spain

XY0802; EGU2008-A-11278; SSP2-1TU5P-0802
Jimenez, M. ; Dominguez, M.J.; Banasiak, A.; Stoll, H.; Vadillo, I.; Trigo, R.
Calibration of cave climate proxies in Northern Spain through rainwater and dripwater analysis

XY0803; EGU2008-A-08414; SSP2-1TU5P-0803
Riechelmann, D.F.C; Richter, D.K.
Upper Pleistocene cryogenic spherulites with unusual calcite structure and C/O-isotopic composition: Cupulas of the Malachitdom cave (Sauerland/ NRW Germany).

XY0804; EGU2008-A-00819; SSP2-1TU5P-0804
Persoiu, A
Paleoclimate and perennial ice accumulations in caves: promises and limitations

XY0805; EGU2008-A-04584; SSP2-1TU5P-0805
Hujer, W.; Seemann, R.; Gier, S.; Koller, F.; Berger, A.; Symeonidis, N.; Steinhäuser, G.
Dwarf elephant bearing karst and volcanoclastic deposits from Charkadio Cave, Tilos, Greece

SSP3 New isotope systems and proxies in sedimentary geochemistry (co-listed in CL & IG, co-sponsored by EAG)

Convener: Eisenhauer, A.
Co-Convener(s): Nägler, T., Immenhauser, A.
Lecture Room 3
Chairperson: EISENHAEUER, A.

10:30–11:00; EGU2008-A-02914; SSP3-1TU2O-001
Blum, J; Bergquist, B; Biswas, A; Gehrke, G; Johnson, K; Johnson, M; Kesler, S; Sherman, L; Smith, C
Mercury stable isotope biogeochemistry (solicited)

11:00–11:15; EGU2008-A-11102; SSP3-1TU2O-002
Sonke, J.E.; Point, D.; Laffont, L.; Day, R.; Foucher, D.; Hintelmann, H.; Donard, O.F.X; Becker, P.B.; Behra, P.; Maurice, L.
Mass independent mercury isotope fractionation in tropical, and Arctic food webs.

11:15–11:30; EGU2008-A-05179; SSP3-1TU2O-003
Archer, C.; Vance, D.; Bermin, J.; Perkins, J.; Statham, P.J.; Lohan, M.C.; Ellwood, M.J.; Mills, R.A.
The copper isotope geochemistry of rivers and the oceans

11:30–11:45; EGU2008-A-08290; SSP3-1TU2O-004
Reynolds, B.C.
Quantifying the Marine Si cycle from their isotope distribution

11:45–12:00; EGU2008-A-04800; SSP3-1TU2O-005
Cenki-tok, B; Chabaux, F.; Lemarchand, D.; Stille, P.; Pierret, MC.
Place of vegetation and water rock interactions in calcium isotope fractionation in river waters : evidence from the Strengbach catchment, France

12:00 END OF SESSION

SSP3 New isotope systems and proxies in sedimentary geochemistry (co-listed in CL & IG, co-sponsored by EAG) – Posters

Convener: Eisenhauer, A.
Co-Convener(s): Nägler, T., Immenhauser, A.
Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: NÄGLER, T.

XY0806; EGU2008-A-04821; SSP3-1TU5P-0806
Hastings, M.G.; Jarvis, J.C.; Steig, E.J.
Isotopes of nitrate in Greenland ice: a record of recent changes in the global nitrogen cycle

XY0807; EGU2008-A-05713; SSP3-1TU5P-0807
Jarvis, J.C.; Steig, E.J.; Hastings, M.G.
A comparison of isotopes in ice core nitrate from Greenland and Antarctica

XY0808; EGU2008-A-06839; SSP3-1TU5P-0808
Poitrasson, F.; Viers, J.; Martin, F.; Braun, J.J.
Iron isotope study of recent laterites from Cameroon

XY0809; EGU2008-A-06933; SSP3-1TU5P-0809
Simon, Q.; **Fagel, N.;** Jennings, A.; Mattielli, N.; Stevenson, R.; Hillaire-Marcel, C.
Holocene instabilities in GIN sea overflows based on mineralogical and Nd/Pb isotopic sedimentary records

XY0810; EGU2008-A-08133; SSP3-1TU5P-0810
von Allmen, K.; **Voegelin, A. R.;** Nägler, Th.F.; Samankassou, E.; Immenhauser, A.; Bahamonde, J. R.; Villa, I. M.
Mo and Ca isotope systems: Carboniferous cements and the quest for paleo seawater composition

XY0811; EGU2008-A-08368; SSP3-1TU5P-0811
Voegelin, A. R.; Nägler, Th.F.; Samankassou, E.
Global Molybdenum isotopic signature recorded by pelagic ooze from ODP-Legs 208 and 198

XY0812; EGU2008-A-08934; SSP3-1TU5P-0812
Tomonaga, Y.; Kipfer, R.
High resolution noble gas profile in a sediment core from the Stockholm archipelago

SSP25 Environmental sedimentology (co-sponsored by IAS)

Convener: Taylor, K.
Co-Convener(s): Perry, C., Rothwell, J.
Lecture Room 3
Chairperson: N.N.

8:30–8:45; EGU2008-A-02293; SSP25-1TU1O-001
Owens, P.N.; Williams, N.D.
The role of river regulation on floodplain sedimentation: the Nechako River, British Columbia, Canada (solicited)

8:45–9:00; EGU2008-A-07113; SSP25-1TU1O-002
Förstner, U.; Heise, S.
Historical contaminated sediments at the river basin scale (solicited)

9:00–9:15; EGU2008-A-01736; SSP25-1TU1O-003
Berkeley, A; **Perry, C.T.**
Rapid modification of intertidal substrates as a result of mangrove planting: a 'natural' experiment in tropical shoreline modification

9:15–9:30; EGU2008-A-05586; SSP25-1TU1O-004
Traini, C.; Menier, D.; Proust, J-N.
The Vilaine River estuary in the Bay of Biscay: Insight into geomorphologic controls on estuarine sedimentation controls on estuarine sedimentation

9:30–9:45; EGU2008-A-09574; SSP25-1TU1O-005
Smit, J.; Montanari, A.; Fortuin, A.R.; Zijp, M.; Kleipool, L.;
Meijer, L.; Meulenaars, K.
Offshore Tsunami deposits or tsunamites

9:45–10:00; EGU2008-A-11031; SSP25-1TU1O-006
Petticrew, E.L.; Rex, J. F.
Vectors and mechanisms for marine-derived nutrient storage
in upland river systems. (solicited)

10:00 END OF SESSION

SSP25 Environmental sedimentology (co-sponsored by IAS) – Posters

Convener: Taylor, K.
Co-Convener(s): Perry, C., Rothwell, J.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0813; EGU2008-A-01487; SSP25-1TU5P-0813
Rezaei, KH.; Guest, B.; Friedrich, A.; Fayazi, F.;
Nakhaei, M.; Fatemi aghda, S.M.
Sediment quality as a factor in the distribution of damage in
26 December 2003 Bam area earthquake, SE Iran

XY0814; EGU2008-A-01668; SSP25-1TU5P-0814
Taylor, K
An integrated geochemical and mineralogical assessment
of contaminated aquatic urban sediment: improving risk
assessment models

XY0815; EGU2008-A-01790; SSP25-1TU5P-0815
Perry, C.T.; Taylor, K.G.
Sediment records of anthropogenically-sourced terrigenous
sediment input in a tropical embayment: effects on reef
sediment stratigraphy and geochemistry

XY0816; EGU2008-A-04623; SSP25-1TU5P-0816
Horwood, J; **Rothwell, J.J.**; Hutchinson, S.M.
Overbank deposition of sediment-associated lead during
severe flooding in a suburban area of south Yorkshire, UK

XY0817; EGU2008-A-04626; SSP25-1TU5P-0817
Rothwell, J.J.; Batchelder, N.; Evans, M.G.
Spatial and temporal variation of lead contamination in
floodplain sediments in the southern Pennine uplands, UK

XY0818; EGU2008-A-05436; SSP25-1TU5P-0818
Austin-Giddings, WD; Tappin, DR; McGuire, WJ
The Origin of Marine Conglomerates of Agaete, Gran
Canaria

XY0819; EGU2008-A-06135; SSP25-1TU5P-0819
Reicherter, K.R.; Papanikolaou, I.; Rössler, S.; Papaniko-
laou, D.; Grützner, C.; Mathes-Schmidt, M.; Stamatidis, G.
New initiative on Paleotsunami Research in Northern Greece
(Thermaikos Gulf)

XY0820; EGU2008-A-06490; SSP25-1TU5P-0820
Choowong, M.; Murakoshi, N.; Hisada, K.; Charusiri, P.;
Charoentitirat, T.; Chutakositkanon, V.; Jankaew, K.; **Kan-
janapayont, P.**; Phantuwongraj, S.
2004 Indian Ocean tsunami inflow and outflow at Phuket,
southern Thailand

XY0821; EGU2008-A-06770; SSP25-1TU5P-0821
Bábek, O.; Hilscherová, K.; Nehyba, S.; Famera, M.
Tracing historical record of river contamination in deposits
of modern oxbow lake; River Morava (Danube Catchment),
Czech Republic

XY0822; EGU2008-A-09237; SSP25-1TU5P-0822
Perner, K.; Leipe, Th.; Mikkelsen, N.; Harff, J.; Ander-
sen, T. J.
Mining impact on arctic fjord sediments, central west
Greenland

XY0823; EGU2008-A-09458; SSP25-1TU5P-0823
Estournes, G.; Menier, D.; Guillocheau, F.
Facies, granulometry, morphoscopy and exoscopy of south
armorican continental shelf sediments (inner shelf - bay of
Biscay) (cancelled)

XY0824; EGU2008-A-09497; SSP25-1TU5P-0824
Succi, M.C.; Bergamin, L.; Romano, E.; Carboni, M.G.
Foraminiferal proxies for reconstructing the recent environ-
mental evolution of the western Orbetello lagoon (Central
Italy)

XY0825; EGU2008-A-10314; SSP25-1TU5P-0825
RODRIGUES, R.A.R.; CORDEIRO, R.C.; TURCQ, B.J.;
SEOANE, J.C.S; CONCEIÇÃO, M.C.G; SANTOS, D.D.;
SIFEDINE, A.; FERREIRA, GGPS
Paleofires in south brazilian Amazonia

XY0826; EGU2008-A-11034; SSP25-1TU5P-0826
May, S.M.; Vött, A.; Sakellariou, D.; Kapsimalis, V.;
Herd, R.; Brückner, H.
On- and offshore tsunami traces around Actio Headland
(NW Greece)

XY0827; EGU2008-A-12399; SSP25-1TU5P-0827
Blackford, J.J.; Kilfeather, A.; van der Meer, J.
Thin section analysis of probable tsunami sediments from
Washington, USA: a technique for identifying and analysing
tsunamigenic sediments?

XY0828; EGU2008-A-11872; SSP25-1TU5P-0828
Woszczyk, M.; Cieslinski, R.; Spychalski, W.
Geochemistry and genesis of recent sedimentation in a
coastal Lake Sarbsko (northern Poland)

Wednesday

SSP8 Ostracoda as proxies for Quaternary climate change (co-listed in BG & CL)

Convener: HORNE, D.
Co-Convener(s): Viehberg, F.
Lecture Room 3
Chairperson: HORNE, D.J.

17:30–17:45; EGU2008-A-02084; SSP8-1WE5O-001
Decrouy, L.; Vennemann, T.; Ariztegui, D.; Wildi, W.
Ostracods in Lake Geneva (Switzerland): a study of the
autoecologic, morphometric, and geochemical composition
of live species.

17:45–18:00; EGU2008-A-10873; SSP8-1WE5O-002
Viehberg, F.A.; Curry, B.B.; Mezquita, F.
Transfer function approaches in palaeoclimatic reconstruc-
tions using Quaternary ostracod records

18:00–18:15; EGU2008-A-05982; SSP8-1WE5O-003
Gouramanis, C.; **De Deckker, P.**; Wilkins, D.
High-resolution Holocene records from 3 crater lakes in
southeastern Australia based on trace elements and stable
isotopes of ostracods

18:15–18:30; EGU2008-A-12337; SSP8-1WE5O-004
Curry, B.B.
Qualitative moisture and temperature trend assessment using
same-core ostracode and pollen records, Illinois, United
States

18:30–18:45; EGU2008-A-12163; SSP8-1WE5O-005
Holmes, J.A.; Horne, D.J.; Whittaker, J.E.
Palaeoclimate and palaeohydrology of a mid-Pleistocene hominin site at Boxgrove, southern England, from palaeoecological and geochemical analyses of ostracods

18:45–19:00; EGU2008-A-01675; SSP8-1WE5O-006
Boomer, I
Ostracoda as proxies of late Quaternary to recent climate change in the Ponto-Caspian region

19:00 END OF SESSION

SSP8 Ostracoda as proxies for Quaternary climate change (co-listed in BG & CL) – Posters

Convener: HORNE, D.
Co-Convener(s): Viehberg, F.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0820; EGU2008-A-01983; SSP8-1WE4P-0820
Wetterich, S.; Viehberg, F.A.; Pienitz, R.; Schirrmeister, L.
Ecological training set of freshwater ostracods in Canadian and Siberian periglacial regions

XY0821; EGU2008-A-00354; SSP8-1WE4P-0821
Perez, L.; Scharf, B.; Lorenschat, J.; Samol, D.; Lorenz, M.; Bugja, R.; Steeb, P.; van Geldern, R.; Schwalb, A.
Modern Ostracodes from Aquatic Habitats of Yucatán Peninsula (Guatemala, Mexico and Belize) as Indicators of Climate and Environmental Change

XY0822; EGU2008-A-02281; SSP8-1WE4P-0822
Horne, D.J.
The Mutual Ostracod Temperature Range (MOTR) method: a new palaeoclimate application of nonmarine ostracods

XY0823; EGU2008-A-00045; SSP8-1WE4P-0823
Amirov, E.
Full depositional cycles and oxygen 18 isotopes in marine upper Baku regiosstage succession in the Western flank of the South Caspian depression

XY0824; EGU2008-A-00571; SSP8-1WE4P-0824
Wrozyna, C.; Frenzel, P.; Mackensen, A.; van Geldern, R.; Steeb, P.; Zhu, L.; Schwalb, A.
Stable isotope and ostracode species assemblage evidence for lake level changes of Nam Co, southern Tibet, during the past 600 years

XY0825; EGU2008-A-09380; SSP8-1WE4P-0825
Sayyad, I.; Anadón, P.; Martín-Rubio, M.; Robles, F.; Rodríguez-Lázaro, J.; Utrilla, R.; Vázquez, A.
Uptake of Mg and Sr in valves of *Cypridopsis vidua* determined from culture experiments

SSP10 EARTHTIME: Calibrating Earth's history via astronomic, magneto-biostratigraphic and geochronologic timescales – Posters

Convener: Schoene, B.
Co-Convener(s): Kuiper, K., Heizler, M.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0826; EGU2008-A-01349; SSP10-1WE5P-0826
Liddicoat, J.; Cai, B.; Shaohua, Z.; Qiu, Z.
Palaeomagnetic and palaeoanthropologic investigations in the Nihewan Basin, China

XY0827; EGU2008-A-03017; SSP10-1WE5P-0827
Hohenegger, J.; Wagreich, M.; Æoriæ, S.; Khatun, M.; Pervesler, P.; Rögl, F.; Rupp, C.; Selge, A.
Cyclostratigraphic dating in the Lower Badenian (Langhian, Middle Miocene) of the Vienna Basin (Austria)

XY0828; EGU2008-A-11130; SSP10-1WE5P-0828
Wijbrans, J. R.; Deino, A.; Hilgen, F.J.; Krijgsman, W.; Kuiper, K.F.; Renne, P.R.
Synchronizing the Rock Clocks of Earth history

XY0829; EGU2008-A-12297; SSP10-1WE5P-0829
He, H.; Pan, Y.; Zhu, R.
Age of the M0r

XY0830; EGU2008-A-08098; SSP10-1WE5P-0830
Insinga, D.; Tamburrino, S.; Vezzoli, L.; De Lange, G.J.; Lirer, F.; Sprovieri, M.; Tiepolo, M.
Major and trace-element characterization of single shards from tephra layers in the astronomically-tuned KC01B sedimentary core (Ionian Basin, eastern Mediterranean)

SSP14 Fossil Lagerstätten and exceptional biotas: key to understanding past ecosystems and biological interactions (co-listed in BG) (co-sponsored by PalAss)

Convener: VANNIER, J.
Co-Convener(s): LEFEBVRE, B., CHARBONNIER, S.
Lecture Room 3
Chairperson: ROZHNOV, S. V.

15:30–15:45; EGU2008-A-01357; SSP14-1WE4O-001
Dzik, J.
Taphonomy and anatomy of the Ediacarans

15:45–16:00; EGU2008-A-11727; SSP14-1WE4O-002
Haug, J. T.; Maas, A.; Waloszek, D.; Liu, Y.; Haug, C.; Castellani, C.; Müller, K. J.
'Orsten' – Cambrian Meiofauna as a modern Ecotype questioning Speculations of a Transition of Pre-Cambrian Ecotypes and Life Strategies far within the Cambrian

16:00–16:15; EGU2008-A-10080; SSP14-1WE4O-003
Van Roy, P.; Lefebvre, B.
Exceptional fossils from the Lower Ordovician of Morocco

16:15–16:30; EGU2008-A-03427; SSP14-1WE4O-004
Perrier, V.; Vannier, J.; Siveter, D. J.
The bolbozoids and early colonization of pelagic niches by crustaceans

16:30–16:45; EGU2008-A-02378; SSP14-1WE4O-005
Charbonnier, S.; Vannier, J.; Riou, B.
Jurassic sea spiders from the La Voulte-sur-Rhône Lagerstätte (SE France)

16:45–17:00; EGU2008-A-11780; SSP14-1WE4O-006
Pouech, J.; Mazin, J.-M.; Tafforeau, P.
The site of Cherves-de-Cognac (Berriasian, SW France): a case of "discrete" Konservat Lagerstätte leading to physiological conclusions.

17:00 END OF SESSION

SSP14 Fossil Lagerstätten and exceptional biotas: key to understanding past ecosystems and biological interactions (co-listed in BG) (co-sponsored by PalAss) – Posters

Convener: VANNIER, J.
Co-Convener(s): LEFEBVRE, B., CHARBONNIER, S.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: HAUG, J.T.

XY0831; EGU2008-A-02111; SSP14-1WE5P-0831
Rozhnov, S. V.
Establishment of trophic structure in communities of the Late Precambrian and Early Paleozoic Epicontinental Seas

XY0832; EGU2008-A-03078; SSP14-1WE5P-0832
Anisimova, S.; Gelety, N.; Dol'nik, T.
The stromatolite-building microbiotas from the Precambrian of the South-Western Transbaikalia

XY0833; EGU2008-A-07610; SSP14-1WE5P-0833
Togo, T.; Kano, A.; Wang, W.
Oceanic stratification recorded in the spatial variation in carbon isotope profiles from the Upper Neoproterozoic, Yangtze Block, South China.

XY0834; EGU2008-A-09187; SSP14-1WE5P-0834
Vannier, J.; Hu, S.-X.; Chen, A.-L.
Arthropod predators in the Early Cambrian pelagic food-chain

XY0835; EGU2008-A-09992; SSP14-1WE5P-0835
Nardin, E.; Lefebvre, B.; Fatka, O.
Causes and consequences of ecospace colonization on the diversification of Early Palaeozoic echinoderms

XY0836; EGU2008-A-09407; SSP14-1WE5P-0836
Lefebvre, B.; Hunter, A.W.; Nardin, E.; Van Roy, P.; Noailles, F.; Franzin, B.; Zamora, S.; Régnault, S.; Lazreq, N.; El Hariri, K.
New echinoderm Lagerstätten from the Upper Ordovician of eastern Anti-Atlas (Tafilalt, Morocco)

XY0837; EGU2008-A-10052; SSP14-1WE5P-0837
Valdiserri, D.; Tichy, G.
Triassic tetrapod footprints in central Europe: a first study

XY0838; EGU2008-A-02198; SSP14-1WE5P-0838
Bartirromo, A.; Barale, G.; Barone Lumaga, M.R.; Barattolo, F.; Bravi, S.
New Early Cretaceous fossil plants from a new fossil-lagerstätte within the lithographic limestones of Campania (South Italy).

XY0839; EGU2008-A-06390; SSP14-1WE5P-0839
Moratalla, J.J.
The story of the Cameros Basin dinosaurs (Lower Cretaceous, Spain) written in their tracks

XY0840; EGU2008-A-05575; SSP14-1WE5P-0840
Rijsdijk, K.F.; Dodo Research Programme TEAM
Natural graveyard of the Dodo (*Raphus Cucullatus*): Youngest (4 ka BP) prehuman Concentration-Lagerstätten on an oceanic Island (Mauritius).

SSP15 Carbonate production from reefs and platforms: biotic and abiotic controls (co-listed in BG; co-sponsored by IAS)

Convener: Perrin, C.
Co-Convener(s): Bosellini, F., Vasconcelos, C., McKenzie, J., Hoffmann, F.
Lecture Room 3
Chairperson: PERRIN, C.

8:30–9:00; EGU2008-A-02062; SSP15-1WE1O-001
Pomar, L.; Hallock, P.
Mesozoic and Cenozoic carbonate factories: reexamining responses to global-scale changes (solicited)

9:00–9:15; EGU2008-A-10036; SSP15-1WE1O-002
Kiessling, W.
Success and failure of Phanerozoic reef production: a new approach

9:15–9:30; EGU2008-A-08819; SSP15-1WE1O-003
Turpin, M.; Emmanuel, L.; Renard, M.
Origin of fine-grained carbonate particles for the quantification of export processes in periplatform sediments

9:30–9:45; EGU2008-A-02343; SSP15-1WE1O-004
Chen, Y.-z.; Gao, S.
A geometric model to simulate the evolution of an oyster reef on the southern Jiangsu coast

9:45–10:00; EGU2008-A-09028; SSP15-1WE1O-005
Nebelsick, J. H.; Bassi, D.
Temperature and nutrient controls of coralline algal and larger foraminiferal dominated Paleogene Tethyan carbonates

10:00 COFFEE BREAK

Chairperson: BOSELLINI, F.

10:30–11:00; EGU2008-A-01692; SSP15-1WE2O-001
Perry, C.T.
Holocene coral reefs in nearshore, terrigenous sediment-influenced environments - new insights into reef development in 'marginal' marine settings (solicited)

11:00–11:15; EGU2008-A-01654; SSP15-1WE2O-002
O'Leary, M.J.; Perry, C.T.; Turner, J.R.; Beavington-Penny, S.J.
Late Holocene evolution of the Rodrigues carbonate platform: a carbonate system in the late stages of its geomorphic evolution

11:15–11:30; EGU2008-A-05880; SSP15-1WE2O-003
Cabioch, G.; Montaggioni, L.; Thouveny, N.; Frank, N.; Sato, T.; Chazottes, V.; Dalmasso, H.; Payri, C.; Pichon, M.; Sémah, A.-M.
The barrier reef from the West of New Caledonia: succession of reef units and chronology

11:30–11:45; EGU2008-A-01679; SSP15-1WE2O-004
Schlueter, M.; Steuber, T.; Parente, M.; Mutterlose, J.
Latest Cretaceous Tethyan carbonate platforms in the central-eastern Mediterranean and Middle East: patterns of demise compared to the evolution of depositional environments

11:45–12:00; EGU2008-A-01518; SSP15-1WE2O-005
Neuweiler, F.; Wilmsen, M.
Recovery from mass extinction: Liassic carbonate buildups of the central High Atlas Rift Basin, Morocco

12:00 LUNCH BREAK

Chairperson: HOFFMANN, F.

13:30–13:45; EGU2008-A-04558; SSP15-1WE30-001

Guido, A.; Mastandrea, A.; Russo, F.

The Calcare di Base Formation and its microfacies: the record of a deposition under the same paleoecological conditions, precursor of the Messinian Salinity Crisis.

13:45–14:00; EGU2008-A-09431; SSP15-1WE30-002

Zamagni, J.; Košir, A.; Mutti, M.

Paleocene microbialite-coral mounds from the Kras region (SW Slovenia)

14:00–14:15; EGU2008-A-07744; SSP15-1WE30-003

Dorschel, B.; **Wheeler, A.J.;** Monteys, X

Cold-water coral carbonate mounds on the Irish margin: spatial analysis, drill targets and the CARBONATE project

14:15–14:30; EGU2008-A-02458; SSP15-1WE30-004

Dullo, C.; Flögel, S.; Rüggeberg, A.

Cold-water coral growth in relation to the hydrography of the Celtic and Nordic European Continental Margin

14:30–14:45; EGU2008-A-06760; SSP15-1WE30-005

van Weering, T.C.E.; de Haas, H.; Mienis, F.; de Stigter, H.C.; van der land, C.; Richter, Th.

Controls on cold water coral and carbonate mound development -

14:45–15:00; EGU2008-A-10705; SSP15-1WE30-006

Schöttner, S.; Wild, C.; Ramette, A.; Hoffmann, F.; Boetius, A.

Microbial diversity and activity in cold-water coral reef ecosystems

15:00 END OF SESSION

SSP15 Carbonate production from reefs and platforms: biotic and abiotic controls (co-listed in BG; co-sponsored by IAS) – Posters

Convener: Perrin, C.

Co-Convener(s): Bosellini, F., Vasconcelos, C., McKenzie, J., Hoffmann, F.

Display Time: Wednesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: PERRIN, C.

XY0841; EGU2008-A-09245; SSP15-1WE5P-0841

Casieri, S.; Frezza, V.; Mancini, S.; Carboni, M.G.

Epiphytic foraminifera on leaves and rhizomes of *Posidonia oceanica* from Ischia Island (Tyrrhenian Sea, Italy)

XY0842; EGU2008-A-03476; SSP15-1WE5P-0842

Camoin, G.; **Seard, C.;** Deschamps, P.; Durand, N.; Yokoyama, Y.; Matsuzaki, H.; Webster, J.; Braga, J.C.; Bard, E.; Hamelin, B.

Reef accretion during the post-glacial sea-level rise at Tahiti (French Polynesia): I.O.D.P. #310 expedition “ Tahiti sea level ”

XY0843; EGU2008-A-01667; SSP15-1WE5P-0843

O’Leary, M.J.; Hearty, P.J.; McCulloch, C.T.

U-series evidence for widespread reef development in Shark Bay during the last interglacial

XY0844; EGU2008-A-10348; SSP15-1WE5P-0844

Betzler, C.; Huebscher, C.; Luedmann, T.; Reijmer, J.J.G.; Droxler, A.; Lindhorst, S.; Roemer, M.; Jaramillo, D.; Fuerstenau, J.

A new view of the Neogene to Quaternary evolution of the Maldives carbonate platform (Indian Ocean)

XY0845; EGU2008-A-04037; SSP15-1WE5P-0845

Rosleff-Soerensen, B.; Reuning, L.; Back, S.; Kukla, P.

Drowned, buried, but still causing (velocity) problems: A Miocene barrier reef, Browse basin, NW Australia

XY0846; EGU2008-A-03284; SSP15-1WE5P-0846

Perrin, C.; Bosellini, F.R.

REEFCORAL: a database for assessing the spatio-temporal distribution of Z-coral carbonate producers

XY0847; EGU2008-A-03328; SSP15-1WE5P-0847

Bosellini, F. R.; Perrin, C.

Estimating sea-surface palaeotemperatures from shallow-water carbonates: the example of Mediterranean Oligocene-Miocene corals

XY0848; EGU2008-A-06317; SSP15-1WE5P-0848

Brandano, M.; Bosellini, F.; Mateu-Vicens, G.; Morsilli, M.; **Parente, M.;** Vannucci, G.

Rhodalgall lithofacies of the Porto Badisco Calcarene (upper Chattian, Salento, Apulia, southern Italy)

XY0849; EGU2008-A-01209; SSP15-1WE5P-0849

Briguglio, A.

New Oligocene coral reef in central Apennines (Majella mt., Italy)

XY0850; EGU2008-A-06463; SSP15-1WE5P-0850

Silvestri, G.; Bosellini, F. R.; Morsilli, M.

Turbid-water coral assemblages: a case study from the Oligocene Tertiary Piedmont Basin (N Italy)

XY0851; EGU2008-A-09713; SSP15-1WE5P-0851

Burelli, G.; Masetti, D.; Furlani, S.; **Biolchi, S.;** Bensi, S.; Cucchi, F.; Piano, C.

The drowning sequence of the paleogenic carbonate ramp outcropping in the Trieste Karst

XY0852; EGU2008-A-07017; SSP15-1WE5P-0852

Cosovic, V.; Moro, A.; Drobne, K.

The Evolution of Benthic Carbonate Assemblages from the Late Paleocene to Middle Eocene in the Adriatic Carbonate Platform (Croatia)

XY0853; EGU2008-A-09231; SSP15-1WE5P-0853

Zamagni, J.; Košir, A.; Mutti, M.

Paleocene to earliest Eocene coral assemblages: ecological decline or an alternative state of development?

XY0854; EGU2008-A-08256; SSP15-1WE5P-0854

Baceta, J.I.; Aguirre, J.; Braga, J.C.; Barattolo, F.; Serra-Kiel, J.; Vitale, V.; Bernaola, G.; Wright, V.P.

Shallow carbonate production following the Cretaceous-Paleogene crisis: architecture and composition of an upper Danian (Paleocene) reef rimmed shelf from the western Pyrenean basin, North Spain

XY0855; EGU2008-A-06192; SSP15-1WE5P-0855

Stein, M.; Adatte, T.; Föllmi, K.B.

Multi-proxies analysis of the evolution of the early Cretaceous northern Tethyan helvetic carbonate platform: the Barremian-Aptian boundary time interval

XY0856; EGU2008-A-11500; SSP15-1WE5P-0856

Rusciadelli, G.; Di Simone, S.; Ricci, C.

Carbonate slope stratigraphic architectures induced by the grafting of superposed platform systems. The Middle Jurassic to Early Cretaceous of the Abruzzi area (Central Apennines, Italy)

XY0857; EGU2008-A-11532; SSP15-1WE5P-0857

Ricci, C.; Rusciadelli, G.

Exported reef sediments: an underestimated parameter in reef carbonate production evaluation. The Upper Jurassic example of the central Apennines, Italy

XY0858; EGU2008-A-03318; SSP15-1WE5P-0858

Korchagin, O.A.

Late Norian reef foraminiferal communities of the South-East Pamirs

XY0859; EGU2008-A-11106; SSP15-1WE5P-0859

Spadafora, A.; Perri, E.; Vasconcelos, C.; McKenzie, J.A.

Microbial biomineralization processes forming Holocene Mg-carbonate stromatolites

XY0860; EGU2008-A-02104; SSP15-1WE5P-0860

Sanders, D.; Tessadri, R.; Rott, E.

Quaternary spring-associated limestones of the Eastern Alps: implications for marine carbonates.

XY0861; EGU2008-A-07986; SSP15-1WE5P-0861

Abu Ghazleh, S.; Kempe, S.

Stromatolite Reefs on Lake Lisan Terraces, Eastern Dead Sea, Jordan.

XY0862; EGU2008-A-11922; SSP15-1WE5P-0862

Merzeraud, G.

Architecture of stromatolite buildups and interbedded facies in carbonate platform from Taoudenni Basin (Neoproterozoic - Mauritanian Adrar).

XY0863; EGU2008-A-02136; SSP15-1WE5P-0863

Reuning, L.; Back, S.; Kukla, P.; Grötsch, J.

Seismic geometries in cool-water carbonates, Browse Basin, NW Australia

XY0864; EGU2008-A-03616; SSP15-1WE5P-0864

Stadnitskaia, A.; de Haas, H.; van Weering, T.C.E.; Sinninghe Damsté, J.S.; the scientific party of the Pelagia 64PE268 cruise

Pore water and hydrocarbon gas chemistry of mud mounds from Pen Duick area, the El Arraiche mud volcano field, Gulf of Cadiz, NE Atlantic

XY0865; EGU2008-A-06935; SSP15-1WE5P-0865

Templer, S.P.; Maignien, L.; Bernasconi, S. M.; Vasconcelos, C.; McKenzie, J.A.

Authigenic carbonates from cold-water carbonate mounds in the Gulf of Cadiz: Microbial diversity and imprint on carbonate minerals.

XY0866; EGU2008-A-04124; SSP15-1WE5P-0866

Thierens, M.; Titschack, J.; Stuut, J.-B.; O'Donnell, R.; Dorschel, B.; Wheeler, A.J.

Unraveling depositional signals throughout a cold-water coral carbonate mound : implications for the environmental controls on Challenger Mound development (IODP Exp.307).

XY0867; EGU2008-A-04119; SSP15-1WE5P-0867

Wehrmann, L.M.; Knab, N.J.; Pirlet, H.; Wild, C.; Ferdelman, T.

Biogeochemistry of Norwegian cold-water coral reef sediments

XY0868; EGU2008-A-06712; SSP15-1WE5P-0868

Orejas, C.; Lo Iacono, C.; Gori, A.; Gili, J.M.; Puig, P.

Detection and characterization of deep-coral banks in the Cap de Creus Canyon (North western Mediterranean) using visual and acoustic methods

XY0869; EGU2008-A-08989; SSP15-1WE5P-0869

Rüggeberg, A.; Dullo, C.; IODP Exp. 307, S.P.

Cold-water coral mound initiation and early development – results of benthic foraminiferal assemblages and grain-size analysis

XY0870; EGU2008-A-08991; SSP15-1WE5P-0870

Hoffmann, F.; Cardenas, P.; Ramette, A.; Schöttner, S.; Rapp, H.T.; Boetius, A.

Diversity of sponges and sponge microbes on cold-water coral reefs: interactions between macro- and microbial diversity

XY0871; EGU2008-A-10666; SSP15-1WE5P-0871

Schöttner, S.; Ramette, A.; Hoffmann, F.; Wild, C.; Boetius, A.

Habitat differentiation by the cold-water coral *Lophelia pertusa* (Scleractinia) governs bacterial diversity

SSP17 Sediments, diagenesis and geochemistry of mixed carbonate evaporite systems (co-sponsored by IAS) – Posters

Convener: Lokier, S.

Co-Convener(s): Steuber, T.

Display Time: Wednesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: LOKIER, S.

XY0872; EGU2008-A-00523; SSP17-1WE5P-0872

Escobar, E.; Urrutia, J.

Petrological and geochemical characterization of the carbonate sequence overlying the impact breccias in the chicxulub crater

XY0873; EGU2008-A-12166; SSP17-1WE5P-0873

Raine, R.; Smith, P.

Do relative sea-level falls preserve an environmental snapshot of a once more extensive coastal sabkha on the Laurentian margin in Scotland?

XY0874; EGU2008-A-01531; SSP17-1WE5P-0874

Steuber, T.; Lokier, S.

Physical environmental data of the mixed carbonate-evaporite depositional system of the Abu Dhabi shoreline

XY0875; EGU2008-A-03618; SSP17-1WE5P-0875

Bravi, S.; Carannante, G.; Masucci, I.; Pomoni-Papaioannou, F.; Simone, L.

Evidence of evaporitic episodes in the Albian-Cenomanian Carbonate Sequences of the Campania Apennines (Southern Italy).

XY0876; EGU2008-A-01362; SSP17-1WE5P-0876

Lokier, S W.; Steuber, T.

The effects of recent sea level change on the carbonate ramp system of the Abu Dhabi coastline

XY0877; EGU2008-A-11918; SSP17-1WE5P-0877

Tavakoli, V.; Rahimpour-Bonab, H.; Esrafil Dizaji, B.

Diagenetic zonation in hydrocarbon reservoirs using well log data, a case study from South Pars, offshore Iran

XY0878; EGU2008-A-11929; SSP17-1WE5P-0878

Esrafil Dizaji, B.; Rahimpour-Bonab, H.; Tavakoli, V.

Vertical Reservoir Compartmentalization in a mixed carbonate- evaporate reservoir, an integrated analysis

Thursday

SSP10 EARTHTIME: Calibrating Earth's history via astronomic, magneto-biostratigraphic and geochronologic timescales

Convener: Schoene, B.

Co-Convener(s): Kuiper, K., Heizler, M.

Lecture Room 3

Chairperson: N.N.

17:30–17:45; EGU2008-A-03535; SSP10-1TH5O-001

Storey, M.; Stecher, O.

40Ar/39Ar age calibration against counted annual layers

17:45–18:00; EGU2008-A-10411; SSP10-1TH5O-002
Courty, M.-A.; Crosta, X.; Fedoroff, M.; Ge, T.; Guichard, F.; Grice, K.; Greenwood, P.; Mermoux, M.; Smith, D.C.; Thiemens, M.H.
Combining high resolution time-marker stratigraphy and dating methods for a refined age of the 4 kyr B.P. impact-ejecta across the two hemispheres

18:00–18:15; EGU2008-A-03115; SSP10-1TH5O-003
Westerhold, T.; Röhl, U.
The early Paleogene astronomic time scale – new insights into biological, climatic, and tectonic events

18:15–18:30; EGU2008-A-09095; SSP10-1TH5O-004
Swisher III, C. C.
Intercalibration of geochronometers: contributions from the P/E and K/P boundaries

18:30–18:45; EGU2008-A-08824; SSP10-1TH5O-005
Barford, D.; Mark, D.; Imlach, J.; Stuart, F.; Hamilton, D.
The ARGUS multi-collector mass spectrometer: 40Ar-39Ar mineral age standards

18:45–19:00; EGU2008-A-11478; SSP10-1TH5O-006
Heizler, M.; EARTHTIME Ar working group
Argon laboratory intercomparison efforts for the EARTH-TIME initiative

19:00 END OF SESSION

SSP16 Paratethys - Mediterranean - Indopacific climatic, biotic and sedimentologic evolution (co-listed in BG, co-sponsored by IAS)

Convener: Mandic, O.
Co-Convener(s): Harzhauser, M., Wagreich, M.
Lecture Room 3
Chairperson: N.N.

8:30–8:45; EGU2008-A-06260; SSP16-1TH1O-001
Sprovieri, M.; Ribera D'Alcalà, M.
Late Neogene Ba/Ca evolution in water masses of the Mediterranean basin

8:45–9:00; EGU2008-A-10906; SSP16-1TH1O-002
Piller, W.E.; Harzhauser, M.; Kroh, A.; Mandic, O.; Reuter, M.
The evolutionary pathway of the giant clams (Tridacninae) from their Paleogene roots to modern distribution

9:00–9:15; EGU2008-A-02223; SSP16-1TH1O-003
Özcan, E.; Less, Gy.
First record of western Tethyan and Indo-Pacific larger Foraminifera co-occurring in the Burdigalian of Turkey

9:15–9:30; EGU2008-A-02570; SSP16-1TH1O-004
Eronen, J.T.; Mirzaie, M.; Karme, A.; Micheels, A.; Fortelius, M.; Bernor, R.L.
The Rise and Fall of Pliocene Chronofauna

9:30–9:45; EGU2008-A-08747; SSP16-1TH1O-005
Rocholl, A.; Boehme, M.; Guenther, D.; Hofer, H.; Ulbig, A.
Prevailing stratospheric easterly wind direction in the Paratethys during the Lower Badenian: Ar-Ar- and Nd-isotopic evidence from rhyolitic ash layers in the Upper Freshwater Molasse, S-Germany

9:45–10:00; EGU2008-A-08497; SSP16-1TH1O-006
Mandic, O.; Harzhauser, M.; Roetzel, R.
Evidence for tidal currents and benthic mass-mortality events in the Sarmatian Paratethys Sea (middle Miocene; North Alpine Foredeep Basin)

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-07404; SSP16-1TH2O-001
Harzhauser, M.; Mandic, O.; Latal, C.
The water-chemistry of the Miocene Dinarid Lake System revealed by stable isotopes of mollusc aragonite

10:45–11:00; EGU2008-A-08765; SSP16-1TH2O-002
de Leeuw, A.; Mandic, O.; Kuiper, K.; Harzhauser, M.; Krijgsman, W.; Bulic, J.; Pavelic, D.; Vranjkovic, A.
Towards a chronostratigraphy for the Miocene Dinarid Lake System: New 40Ar/39Ar ages and expanded magnetostratigraphic dating

11:00–11:15; EGU2008-A-05351; SSP16-1TH2O-003
Prieto, J.
Small mammal Biostratigraphy of the late Middle Miocene (Sarmatian) in South Germany

11:15–11:30; EGU2008-A-07224; SSP16-1TH2O-004
Juhász, Gy.; Pogácsás, Gy.; Magyar, I.
Evidences in the Pannonian Basin: giant canyon incisions in the Late-Miocene (Pannonian s.l.), connected to SB Pa-4 (ca. 6.8 Ma), Hungary

11:30–11:45; EGU2008-A-01779; SSP16-1TH2O-005
Vrbanc, B.; Velic, J.; **Malvić, T.**
Sedimentation of Late Pannonian clastic deposits in main and marginal basins (Sava depression vs. Bjelovar subdepression)

11:45–12:00; EGU2008-A-05608; SSP16-1TH2O-006
Krstić, N.; Dumurdžanov, N.; Ognjanova, N.; Marković, Z.
Lacustrine Upper Miocene of Central Balkans

12:00 END OF SESSION

SSP16 Paratethys - Mediterranean - Indopacific climatic, biotic and sedimentologic evolution (co-listed in BG, co-sponsored by IAS) – Posters

Convener: Mandic, O.
Co-Convener(s): Harzhauser, M., Wagreich, M.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0731; EGU2008-A-08707; SSP16-1TH5P-0731
Drobne, K.; **Cosović, V.;** Vrabec, M.; Tari-Kovacic, V.
Paleocene- Eocene Carbonate Platforms from the Adriatic Sea to the Pannonian Basin (Western Central Tethys) and their Tectonic Position

XY0732; EGU2008-A-07434; SSP16-1TH5P-0732
Harzhauser, M.; Piller, W.E.; Kroh, A.; Berning, B.; Reuter, M.
Aquitania biogeography of Eastern Africa based on gastropod assemblages from Coastal Tanzania

- XY0733;** EGU2008-A-07791; SSP16-1TH5P-0733
Paulissen, W.E.; Luthi, S.M.; Püttmann, J.R.
 High-resolution sequence stratigraphic analysis of a well in the central Paratethyan Vienna Basin covering the Middle to Late Miocene
- XY0734;** EGU2008-A-07305; SSP16-1TH5P-0734
Coric, S.; Babic, Lj.; Hernitz-Kucenjak, M.; Zupanic, J.
 Conflicting dating of the coastal Dinaric flysch, and implications: Eocene or Miocene? The case of north Dalmatia and Istria
- XY0735;** EGU2008-A-06797; SSP16-1TH5P-0735
Coric, S.; Rupp, C.; Hohenegger, J.
 Middle Miocene calcareous nannoplankton and planktonic foraminifers assemblages from the scientific borehole Baden-Sooss (Austria, Central Paratethys)
- XY0736;** EGU2008-A-07018; SSP16-1TH5P-0736
Wessels, W.; Marković, Z.; de Bruijn, H.; Daxner-Höck, G.; Mandić, O.; Šišić, E.
 Paleogeography of Late Oligocene to Miocene rodent assemblages from the western Dinaride-Anatolian Land
- XY0737;** EGU2008-A-05091; SSP16-1TH5P-0737
 Oszczypko-Clowes, M
 Calcareous nannoplankton of the terminal flysch deposits in the Polish Outer Carpathians
- XY0738;** EGU2008-A-05072; SSP16-1TH5P-0738
Oszczypko, N.; Oszczypko-Clowes, M
 Late Oligocene -Early Miocene paleogeographic and paleotectonic evolution of the Northern Carpathians
- XY0739;** EGU2008-A-06325; SSP16-1TH5P-0739
 Pavić, S.
 New findings of small Bovid in East Serbia
- XY0740;** EGU2008-A-05021; SSP16-1TH5P-0740
Barbu, V.; Tulucan, A.; Borosi, V.
 Micropaleontological evidence of Middle Miocene tuffs deposition in the north-eastern part of Pannonian basin, Abrămut sub-basin (Romania)
- XY0741;** EGU2008-A-07854; SSP16-1TH5P-0741
Mandić, O.; Pavelić, D.; Harzhauser, M.; Zupanić, J.; Reischenbacher, D.; Sachsenhofer, R.F.; Tadej, N.; Vranjković, A.
 Multi-proxy paleoenvironmental analysis of the Miocene, long-lived, hard-water Lake Sinj (Dinaride Lake System, SE Croatia)
- XY0742;** EGU2008-A-06497; SSP16-1TH5P-0742
Coric, S.; Pavelić, D.; Mandić, O.; Vrabac, S.; Rögl, F.; Vranjković, A.
 The initial marine flooding of the southern Pannonian Basin System: the North Croatian Basin transgression correlates with the Middle Miocene
- XY0743;** EGU2008-A-02160; SSP16-1TH5P-0743
Wagreich, M.; Pervšić, P.; Uchman, A.; Khatun, M.; Wimmer-Frey, I.
 Sedimentology and ichnology of the Lower Badenian (Middle Miocene) Baden-Sooss core at the type locality of the Badenian (Vienna Basin, Lower Austria)
- XY0744;** EGU2008-A-10232; SSP16-1TH5P-0744
 Ferić, P.; Vrsaljko, D.; Miknić, M.; Hajek-Tadesse, V.
 Pannonian fluvial-lacustrine clastic sediments of marginal area of Žumberak Mt (NW Croatia, Central Paratethys)
- XY0745;** EGU2008-A-02608; SSP16-1TH5P-0745
Krizmanić, K.; Brajković, D.
 Palynological analysis in the Upper Miocene core from the Pannonian Basin of Croatia
- XY0746;** EGU2008-A-07828; SSP16-1TH5P-0746
Posilović, H.; Bajraktarević, Z.
 Aspects of functional analysis and ornamentation of some Pliocene viviparids
- XY0747;** EGU2008-A-08171; SSP16-1TH5P-0747
Lobo, F.J.; Alonso, B.; Ercilla, G.; Fernández-Salas, L.M.; Hernández-Molina, F.J.; Maldonado, A.
 Styles of shelf growth in the northern Alboran Sea off Guadalfeo river, SW Mediterranean basin: eustatic control and disturbing factors
- XY0748;** EGU2008-A-03350; SSP16-1TH5P-0748
van den Hoek Ostende, L.
 Gridding down the fossil record: an experiment
- XY0749;** EGU2008-A-06143; SSP16-1TH5P-0749
Marković, Z.
 Pliocene rodent fauna from Riđake (Serbia)
- XY0750;** EGU2008-A-01628; SSP16-1TH5P-0750
Boev, B.
 Afro-tropical and Afro-Indo-Malayan elements in the Neogene avifauna of Bulgaria and their paleozoogeographical implementations
- XY0751;** EGU2008-A-00146; SSP16-1TH5P-0751
Maghfouri Moghaddam, I.
 Biostratigraphy of Taleh-zang Formation in type and kialu sections, southern Lorestan
-
- IS59 - SSP28/CL50/GMPV39/TS21 EuroFORUM 2008: Achievements and perspectives in ocean and continental drilling (co-organised by SSP, CL, GMPV & TS; co-listed in OS)**
- Convener: Camoin, G.
 Co-Convener(s): Harms, U., Anselmetti, F., Brinkhuis, H., Roehl, U.
 Lecture Room 3
 Chairperson: CAMOIN G., ANSELMETTI F.
- 13:30–13:45;** EGU2008-A-05860; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-001
Edwards, K.J.; Wheat, G.; Bach, W
 The Deep Subsurface Biosphere at North Pond: A Mid-Atlantic Ridge Microbial Observatory (solicited)
- 13:45–14:00;** EGU2008-A-03096; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-002
Ildefonse, B.
 Oceanic core complexes and crustal accretion at slow-spreading ridges. Indications from IODP expeditions 304-305 and previous ocean drilling results. (solicited)
- 14:00–14:15;** EGU2008-A-05605; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-003
De Natale, G.; Troise, C.; De Natale, P.; Sacchi, M.
 The Campi Flegrei Deep Drilling Project 'CFDDP': understanding the magma-aquifers interaction at large calderas (solicited)
- 14:15–14:30;** EGU2008-A-08536; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-004
Kopf, A.; Tobin, H.; Kinoshita, M.; NanTroSEIZE Project Management Team
 The Nankai Trough Seismogenic Zone Experiment (NanTroSEIZE): Stage 1 drilling results and future perspectives (solicited)
- 14:30–14:45;** EGU2008-A-06673; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-005
Kinoshita, M.; Tobin, H.; IODP Exp314 Science Party, X.
 First Results from NanTroSEIZE LWD, IODP Expedition 314: Lithostratigraphy and physical properties of the megasplay thrust sheets and forearc basin deposits

14:45–15:00; EGU2008-A-01560; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH30-006
Hodell, D.; Anselmetti, F.; Ariztegui, D.; Brenner, M.;
 Curtis, J.; Escobar, J.; Gilli, A.; Grzesik, D.; Kutterolf, S.;
 Mueller, A.
 The Peten Itza Scientific Drilling Project: A 200-ka record
 of climate change in lowland Central America (solicited)

15:00 COFFEE BREAK

Chairperson: HARMS U., ROEHL U., BRINKHUIS H.

15:30–15:45; EGU2008-A-01561; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH40-001
Hodell, D.; Channell, J.; Curtis, J.; Romero, O.; Roehl, U.
 Onset of Heinrich events in the eastern North Atlantic at
 the end of the Middle Pleistocene Transition (650 ka)?
 (solicited)

15:45–16:00; EGU2008-A-03732; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH40-002
Wennrich, V.; Melles, M.; Brigham-Grette, J.; Minyuk, P.;
 Koeberl, C.; Elgygytyn Scientific Party
 Deep drilling in Lake El'gygytyn, NE Russia: coring per-
 spectives for the first continuous 3.6 Mio year paleoclimate
 record in the terrestrial Arctic

16:00–16:15; EGU2008-A-06576; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH40-003
Escutia, C.; Brinkhuis, H.; Cooper, A.K.; Eitrem, S.L.;
 Tanahashi, M.; Ishihara, T.; De Santis, L.; O'Brien, P.;
 Domack, E.; Dunbar, R.
 Cenozoic East Antarctic Ice Sheet Evolution from Wilkes
 Land Continental Margin Sediments-IODP Expedition 323
 (solicited)

16:15–16:30; EGU2008-A-08977; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH40-004
 Zolitschka, B.; **Anselmetti, F.S.;** Ariztegui, D.; Corbella, H.;
 Haberzettl, T.; Lücke, A.; Mayr, C.; Ohlendorf, C.; Schab-
 itz, F.; Wille, M.
 Hydrological variations and their climate forcing at 52°S for
 the past 56 ka from the site of ICDP lake drilling project
 "PASADO" (Laguna Potrok Aike, Argentina) (solicited)

16:30–16:45; EGU2008-A-04577; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH40-005
 Urrutia-Fucugauchi, J.; **Morgan, J.;** Gulick, S.; Christeson, G;
 Barton, P.; Rebolledo-Vieyra, M.; Grieve, R
 Future integrated ICDP-IODP drilling at Chicxulub: scien-
 tific targets

16:45 END OF SESSION

IS59 - SSP28/CL50/GMPV39/TS21 EuroFORUM 2008:
Achievements and perspectives in ocean and continental
drilling (co-organised by SSP, CL, GMPV & TS; co-listed
in OS) – Posters

Convener: Camoin, G.
 Co-Convener(s): Harms, U., Anselmetti, F., Brinkhuis, H.,
 Roehl, U.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: N.N.

XY0752; EGU2008-A-10276; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0752
Ghergut, I.; Behrens, H.; Sauter, M.; Licha, T.
 Five-year experience with deep-crustal fluid spikings: was it
 worth?

XY0753; EGU2008-A-06074; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0753
Yamada, Y.; Moore, J.C.; McNeill, L.; IODP Expedition 314
 Shipboard Scientific Party
 Structural Styles at Nankai Accretionary Prism from LWD
 Borehole Images at NantroSEIZE Exp. 314

XY0754; EGU2008-A-10937; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0754
Jurado, M.J.; Martin, K.M.; Saito, S.; Tudge, J.; Exp314
 ScientificParty, IODP
 NanTroSEIZE LWD IODP Expedition 314: interpretation
 of logging units based on LWD borehole images and LWD
 measurements.

XY0755; EGU2008-A-07389; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0755
Strasser, M.; Fergusson, C.L.; Milliken, K.L.; Nichol-
 son, U.; Sakaguchi, A.; Expedition 316 Scientists, IODP
 First results from coring the Nankai Trough during IODP
 NanTroSEIZE Stage 1 Expedition 316: A lithostratigraphic
 perspective

XY0756; EGU2008-A-01105; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0756
Wagner, B.; Lake Ohrid Team
 Ancient Lake Ohrid: Towards an understanding of its
 evolutionary and environmental history

XY0757; EGU2008-A-08450; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0757
Gebhardt, A. C.; Niessen, F.; Anselmetti, F.; Ariztegui, D.;
 De Batist, M.; Ohlendorf, C.; Zolitschka, B.
 Geometry and sedimentary fill of maar lake Laguna Potrok
 Aike, Southern Patagonia

XY0758; EGU2008-A-08632; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0758
Heumann, G.; Litt, Th.; Krastel, S.; Sturm, M.; Örcen, S.
 Palynological investigations based on lacustrine sediments
 from Lake Van, Turkey (new ICDP site)

XY0759; EGU2008-A-08893; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0759
Schulte, P.; Deutsch, A.; Salge, T.; Krumm, S.
 The Cretaceous-Paleogene (K-Pg) transition in ODP Leg
 207, Western Atlantic: From the Chicxulub impact to the
 first Paleocene hyperthermal events

XY0760; EGU2008-A-07922; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0760
Gebhardt, A. C.; Niessen, F.
 Seismic investigation of impact crater Lake El'gygytyn,
 NE Siberia

XY0761; EGU2008-A-01581; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0761
Ferrière, L.; Koeberl, C.; Reimold, W. U.
 Drilling at impact structures: The case of the Bosumtwi
 impact structure, Ghana.

XY0762; EGU2008-A-01782; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0762
Bartosova, K.; Koeberl, C.; Schmitt, R.-T.; Brandstaetter, F.
 Investigations of suevite from the Eyreville drillcore,
 ICDP-USGS Chesapeake Bay impact structure deep drilling
 project, Virginia, USA.

XY0763; EGU2008-A-04947; IS59 -
 SSP28/CL50/GMPV39/TS21-1TH5P-0763
Juhlin, C.; Lorenz, H
 The Swedish Deep Drilling Program (SDDP): An overview

- XY0764;** EGU2008-A-05574; IS59 -
SSP28/CL50/GMPV39/TS21-1TH5P-0764
Arnold, J.; Pape, H.; **Pechinig, R.**; Clauser, C.; Anferova, S.; Blümich, B.
Porosity and permeability prediction for marine and continental drilling samples by mobile NMR core scanning devices
- XY0765;** EGU2008-A-06481; IS59 -
SSP28/CL50/GMPV39/TS21-1TH5P-0765
Popov, Yu.; Burkhardt, H.; Wilhelm, H.; Romushkevich, R.; Mayr, S.; Heidinger, Ph.
Geothermal investigations in superdeep and deep scientific wells: methods and results
- XY0766;** EGU2008-A-02132; IS59 -
SSP28/CL50/GMPV39/TS21-1TH5P-0766
Diepenbroek, M.; Huber, R.; Schindler, U.; **Wallrabe-Adams, H.-J.**; Collier, J.; Grobe, H.
Scientific earth drilling information service, SEDIS
- XY0767;** EGU2008-A-03830; IS59 -
SSP28/CL50/GMPV39/TS21-1TH5P-0767
Freudenthal, T.; Wefer, G.
Shallow Drilling in the Deep Sea: the Sea Floor Drill Rig MeBo
- XY0768;** EGU2008-A-01473; IS59 -
SSP28/CL50/GMPV39/TS21-1TH5P-0768
Gorbatsevich, F.
Properties and state of rocks in the section of the Kola (SG-3), Ural (SG-4), German (KTB) and Finnish (OKU) research boreholes: similarity and distinctions

Friday

SSP12 Sclerochronology: A powerful tool for environmental reconstruction (co-listed in BG)

Convener: Hippler, D.
Co-Convener(s): Gillikin, D., Schöne, B.
Lecture Room 3
Chairperson: N.N.

8:30–8:45; EGU2008-A-08821; SSP12-1FR1O-001
Wanamaker, A.D.; Richardson, C.A.; Scourse, J.D.; Butler, P.G.
A shell-based reconstruction of environmental change on the North Icelandic shelf

8:45–9:00; EGU2008-A-09537; SSP12-1FR1O-002
Meier, N.; Schöne, B. R.; Strom, A.; Fiebig, J.
Sclerochronological and isotope ($\delta^{18}\text{O}$) analyses of *Panopea abrupta* (bivalve mollusk) shells from Protection Island (Washington, USA)

9:00–9:15; EGU2008-A-02561; SSP12-1FR1O-003
Versteegh, E.; Troelstra, S.; Vonhof, H.
Stable oxygen Isotopes in freshwater Mussels (Unionidae) as a Proxy for late Holocene floods and droughts of Rhine and Meuse

9:15–9:30; EGU2008-A-05280; SSP12-1FR1O-004
Trueman, C.
Metabolic rates and stable carbon isotopes in biominerals

9:30–9:45; EGU2008-A-04282; SSP12-1FR1O-005
Hetzinger, S.; Halfar, J.; Kronz, A.; Steneck, R.; Adey, W.; Lebednik, P.A.; Schoene, B.R.
High-resolution Mg/Ca ratios in crustose coralline red algae from the subarctic North Pacific – a record of past climate variability

9:45–10:00; EGU2008-A-09633; SSP12-1FR1O-006
Juillet-Leclerc, A.; Reynaud, S.
Respective influence of temperature and light on sclerochronology of coral skeleton

10:00 END OF SESSION

SSP12 Sclerochronology: A powerful tool for environmental reconstruction (co-listed in BG) – Posters

Convener: Hippler, D.
Co-Convener(s): Gillikin, D., Schöne, B.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0734; EGU2008-A-02609; SSP12-1FR4P-0734
Versteegh, E.; Troelstra, S.; Vonhof, H.
Oxygen isotopic Composition of bivalve skeletal Aragonite and river Water in a dutch Rhine Branch

XY0735; EGU2008-A-07630; SSP12-1FR4P-0735
Johnson, A.L.A.; Bird, A.; Schöne, B.R.; Hickson, J.A.; Heaton, T.H.E.; Balson, P.S.
Inference of Pliocene marine temperature and other variables through bivalve sclerochronology

XY0736; EGU2008-A-06203; SSP12-1FR4P-0736
Lazareth, C. E.; Lietard, C.; Pierre, C.; Ortlieb, L.
Inter-individual and inter-site reproducibility of $\delta^{18}\text{O}$ profiles across *Protothaca thaca* (Bivalvia, Veneridae) shells from Peru and Chile

XY0737; EGU2008-A-08570; SSP12-1FR4P-0737
Goewert, A.; Surge, D.
Bivalve isotope records of seasonality from warm climate intervals during the Neogene, US Atlantic Coastal Plain

XY0738; EGU2008-A-10540; SSP12-1FR4P-0738
Surge, D.; Walker, K. J.; Wang, T.
Pitfalls in reconstructing seasonality from oxygen isotope records in *Mercenaria* shells: a case study from coastal archaeological deposits, SW Florida, USA

XY0739; EGU2008-A-00693; SSP12-1FR4P-0739
Poulain, C.; Paulet, Y.M.; Chauvaud, L.; Bassoulet, C.; Pichavant, K.; Dehairs, F.; Lorrain, A.
High frequency variability of *Ruditapes philippinarum* fluids and shell in the Auray River

XY0740; EGU2008-A-03247; SSP12-1FR4P-0740
Lartaud, F.; Emmanuel, L.; de Rafelis, M.; Ropert, M.; Renard, M.
Seasonal to "daily" growth bands in modern and fossil oyster shells detected by cathodoluminescence analyses. A time model for isotopic sclerochronology and paleoenvironmental reconstructions.

XY0741; EGU2008-A-00717; SSP12-1FR4P-0741
Tynan, S.; Opdyke, B.; Welch, S.; Beavis, S.
Stable isotope and trace element geochemistry of *Ostrea angasi* and *Mytilus galloprovincialis*

XY0742; EGU2008-A-04673; SSP12-1FR4P-0742
Gillikin, D.P.; Lorrain, A.; Paulet, Y.-M.; Andre, L.; Dehairs, F.
Barium/calcium profiles of calcite and aragonite marine bivalve shells as an environmental proxy

XY0743; EGU2008-A-06631; SSP12-1FR4P-0743
Servaes, F.; Bauwens, M.; Dubois, Ph.; Dehairs, F.
Proxy incorporation by *Mytilus edulis*: a field survey and in situ calibration

XY0744; EGU2008-A-08576; SSP12-1FR4P-0744
Freitas, P.; Clarke, L.; Kennedy, H.; Richardson, C.
An examination of potential controls on shell Mn/Ca ratios in the calcite of the bivalve *Mytilus edulis*

XY0745; EGU2008-A-09653; SSP12-1FR4P-0745
Hippler, D.; Witbaard, R.; Buhl, D.; Immenhauser, A.
Ca isotope fractionation in modern and fossil bivalve shell carbonate

XY0746; EGU2008-A-01945; SSP12-1FR4P-0746
Perry, C.T.; Roche, R.; Palmer, S.E.; Smithers, S.G.; Johnson, K.
Using coral-based records to assess the effects of terrestrially-derived sediments on reef development at the community and skeletal microarchitectural level.

XY0747; EGU2008-A-04700; SSP12-1FR4P-0747
(b.darvishzad), b-d; **(b.balmaki), b.b**
late cretaceous echinoids from northern flanks of alborz mountain ,iran

SSP23 Interactions between high frequency climate changes and deltaic margin architecture (co-sponsored by IAS)

Convener: Berne, S.
Co-Convener(s): Schneider, R., Trincardi, f.
Lecture Room 3
Chairperson: N.N.

10:30–10:45; EGU2008-A-02624; SSP23-1FR2O-001
Bassetti, M.A.; Berné, S.; Jouet, G.; Taviani, M.; Dennielou, B.; Flores, J.A.; Gaillot, A.; Gelfort, R.; Lafuerza, S.; Sultan, N.
High-resolution stratigraphy and sedimentary facies of late Quaternary forced-regressive shorefaces from the Gulf of Lions (Western Mediterranean Sea)

10:45–11:00; EGU2008-A-04803; SSP23-1FR2O-002
Lericolais, G.; Minereau, A.; Guichard, F.; Morigi, C.; Panin, N.; Soulet, G.
A PreBoreal Danube paleo-Delta at -100 m evidenced on the Romanian Black Sea shelf

11:00–11:15; EGU2008-A-04971; SSP23-1FR2O-003
Berné, S.; THE SESAME TEAM
Stratigraphic signature of sea-level changes during the last 500 ka. The Gulf of Lions revisited by the Promess 1 drilling operation

11:15–11:30; EGU2008-A-06100; SSP23-1FR2O-004
Ridente, D.; Trincardi, F.; Piva, A.; Asioli, A.; Steckler, M.S.
Sea level change and supply switching during the past four climate cycles: evidence from integrated shallow-shelf stratigraphy and $\delta^{18}\text{O}$ records (Adriatic Margin)

11:30–11:45; EGU2008-A-08128; SSP23-1FR2O-005
Piva, A.; Asioli, A.; Trincardi, F.; Schneider, R.; Vigliotti, L.
Late-Holocene climate variability in the Adriatic Sea (Central Mediterranean)

11:45 END OF SESSION

SSP23 Interactions between high frequency climate changes and deltaic margin architecture (co-sponsored by IAS) – Posters

Convener: Berne, S.
Co-Convener(s): Schneider, R., Trincardi, f.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0748; EGU2008-A-01395; SSP23-1FR4P-0748
Park, S.C.; Yoo, D.G.; Han, H.S.
High-resolution stratigraphy of late Quaternary lowstand deposits in the Korea Strait shelf

XY0749; EGU2008-A-03841; SSP23-1FR4P-0749
REVILLON, S.; Bayon, G.; Berné, S.; Dennielou, B.; Hémond, C.; Jouet, G.
Trace element and Sr-Nd isotope evidence of Saharan dust input in Quaternary sediments from the Gulf of Lions (NW Mediterranean)

XY0750; EGU2008-A-07947; SSP23-1FR4P-0750
Jouet, G.; Berné, S.; Sierro, F.J.; Bassetti, M.-A.; Dennielou, B.; THE SESAME TEAM
Stratigraphic signature of millennial-scale climate and sea level changes (Rhône deltaic margin, NW Mediterranean)

XY0751; EGU2008-A-08279; SSP23-1FR4P-0751
Piva, A.; Andersen, N.; Asioli, A.; Schneider, R.; Dennielou, B.; Massamba N'siala, I.; Mercuri, A.M.; Tateo, F.; Trincardi, F.; RHUL TEAM
High-resolution record of Dansgaard-Oeschger variability in the Adriatic Sea (Central Mediterranean)

XY0752; EGU2008-A-08393; SSP23-1FR4P-0752
trincardi, F.; Verdicchio, G.; Asioli, A.; Campiani, E.; Dalla Valle, G.; Foglini, F.; Gamberi, F.; Piva, A.
Cascading currents and distribution of deep-sea bedforms in the South Adriatic

XY0753; EGU2008-A-11769; SSP23-1FR4P-0753
Maad, N.; Le roy, P.; Sahabi, M.; Gutscher, M.A.; Rabineau, M.; babonneau, N.; Dakki, M.; Réhault, J.P.
Seismic stratigraphy of the Upper Pleistocene deposits of the North-Western Moroccan Atlantic shelf ; Last Deglacial deposits of the Sebou delta

SSP26 Focused fluid migration at continental margins: initiation, evolution and modelling (co-listed in OS & TS)

Convener: GAY, A.
Co-Convener(s): Berndt, C., Planke, S.
Lecture Room 3
Chairperson: N.N.

13:30–13:45; EGU2008-A-05747; SSP26-1FR3O-001
Henry, P.; Zitter, T.A.C.; Le Pichon, X.; Geli, L.; Tryon, M. D.; Mercier de Lepinay, B.; Cagatay, M. N.; Sengor, A.M.C.; Gorur, N.; Bourlange, S.; The Marnaut Scientific Party
Cold seeps in the North Anatolian Fault zone, Sea of Marmara: hints for a deep connection

13:45–14:00; EGU2008-A-07457; SSP26-1FR3O-002
Marsset, T.; Marsset, B.; Vagner, P.; Simplet, L.; Voisset, M.; Drapeau, D.
Fluid escape re-occurrence in the Niger Delta: a possible link with sea level variations

14:00–14:15; EGU2008-A-05165; SSP26-1FR3O-003

Kopf, A.

On the nature and episodicity of fluid expulsion in mud volcanoes (solicited)

14:15–14:30; EGU2008-A-10254; SSP26-1FR3O-004

Huebscher, C.; Betzler, C.; Luedmann, T.; Reijmer, J.; Lindhorst, S.; Roemer, M.

Giant pockmarks in the inner sea of the Maldives carbonate platform (Indian Ocean)

14:30–14:45; EGU2008-A-04732; SSP26-1FR3O-005

Mourgues, R.

Numerical and sandbox modelling of various failure patterns caused by pore fluid overpressures – consequences for fluid migration (solicited)

14:45–15:00; EGU2008-A-09136; SSP26-1FR3O-006

Yarushina, V.M.; Podladchikov, Y.Y.

Chimney-like porosity waves as a mechanism for fluid expulsion

15:00 END OF SESSION

SSP26 Focused fluid migration at continental margins: initiation, evolution and modelling (co-listed in OS & TS) – Posters

Convener: GAY, A.

Co-Convener(s): Berndt, C., Planke, S.

Display Time: Friday, 08:00–19:30

Authors in Attendance: Friday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0754; EGU2008-A-02119; SSP26-1FR4P-0754

Naudts, L.; Granin, N.; Khlystov, O.; Chensky, A.G.; Poort, J.; De Batist, M.

What is controlling shallow active methane seeps in Lake Baikal? Posolsky Bank case-study

XY0755; EGU2008-A-02677; SSP26-1FR4P-0755

Plaza, A.; Bünz, S.; Mienert, J.

Fluid distribution within the Nyegga area, northern flank of the Storegga slide, inferred from P-wave velocity anomalies

XY0756; EGU2008-A-06007; SSP26-1FR4P-0756

Hjelstuen, B.O.; Haflidason, H.

Norwegian margin fluid escape structures - sedimentary environments and evolution

XY0757; EGU2008-A-05444; SSP26-1FR4P-0757

Missenard, Y.; Bertrand, A.; Benedicto, A.; Cushing, M. E.; Vergé, P.

Paleofluid circulation through fractured multilayer porous platform carbonates. Example from the Maltese Islands: draining fractures versus hydraulic fracturing.

XY0758; EGU2008-A-08247; SSP26-1FR4P-0758

Bünz, S.; Petersen, C.J.; Hustoft, S.; Mienert, J.

Gas hydrates and fluid focussing in sediments of the Vestnesa Ridge on the W-Svalbard margin

XY0759; EGU2008-A-08229; SSP26-1FR4P-0759

Bourry, C.; Charlou, J.L.; Donval, J.P.; Henry, P.; Geli, L.; Chazallon, B.; MARNAUT Scientific Team, The UV-Raman spectroscopic study of new gas hydrates collected from the Marmara sea.

XY0760; EGU2008-A-10073; SSP26-1FR4P-0760

Heeschen, K.; Haeckel, M.; Berndt, C.; Teagle, D.; Palmer, M.; Green, D.; Cooper, M.; Vanneste, H.; Liebetrau, V.

Origin of fluids and salts at the Mercator mud volcano, Gulf of Cadiz

XY0761; EGU2008-A-11252; SSP26-1FR4P-0761

Perez-Garcia, C.; Berndt, C.; Masson, D.; Planke, S.; Kläschen, D.; Depreiter, D.; Mienert, J.

Mud extrusion dynamics constrained from 3D seismics in the Mercator Mud Volcano. El Arraiche mud volcano field, Gulf of Cadiz.

XY0762; EGU2008-A-06658; SSP26-1FR4P-0762

Scholz, F.; Hensen, C.; Haeckel, M.; Liebetrau, V.; Reitz, A.; Romer, R.

Origin and geochemical history of fluids in Gulf of Cadiz mud volcanoes: A multi-isotopic approach

XY0763; EGU2008-A-09982; SSP26-1FR4P-0763

Mazzini, AM; Gisler, GG; Krotkiewski, MK; **Nermoen, AN;** Svensen, HS; Planke, SP; Akhmanov, GGA

Multidisciplinary approach for mud volcano eruptions

XY0764; EGU2008-A-08160; SSP26-1FR4P-0764

Petersen, C. J.; **Buenz, S.;** Hustoft, S.; Mienert, J.

High-Resolution 3D Seismic Investigation of Fluid Flow Structures in hydrated Sediments of the Vestnesa Ridge, W-Svalbard Margin

XY0765; EGU2008-A-04280; SSP26-1FR4P-0765

Pinet, N.; Duchesne, M.; Bolduc, A.; Lavoie, D.; Campbell, C.

Linear pockmark trains linked to bedrock features in the St. Lawrence Estuary (eastern Canada)

XY0766; EGU2008-A-03149; SSP26-1FR4P-0766

Gay, A.; Berndt, C.; Planke, S.

The Gjallar Giant Vent (GGV): A huge cold seep on the Norwegian Margin driven by the reactivation of ancient hydrothermal hot vents

XY0767; EGU2008-A-04219; SSP26-1FR4P-0767

Conti, S.; Fontana, D.; **Mecozzi, S.;** Panieri, G.

Miocene seep-carbonates as indicators of fluid migration in the northern Apennines

XY0768; EGU2008-A-09564; SSP26-1FR4P-0768

KARABOILY, K.; POTDEVIN, P.; CHANIER, C.; DUBOIS, D

Tubular carbonate concretions: fluid expulsion structures in the Hikurangi accretionary prism (New Zealand)

XY0769; EGU2008-A-07219; SSP26-1FR4P-0769

Gisler, G.; Svensen, H.; Mazzini, A.; Polteau, S.; Galland, O.; Planke, S.

Simulations of the Explosive Venting of Supercritical Fluids through Porous Media

XY0770; EGU2008-A-08199; SSP26-1FR4P-0770

Nermoen, AN; Galland, OG; Fristad, KF; Podladchikov, YP; Malthe-Sorensen, AMS

Experimental modelling of piercement structure formation in sedimentary basins

XY0771; EGU2008-A-12477; SSP26-1FR4P-0771

León, R.; Somoza, L.; Dabrio, C.J.; Ercilla, G.; Medialdea, T.; Díaz-del-Río, V.; Gimenez-Moreno, C.J.; González, F.J.

GIS modeling of gas hydrate stability along the continental margin of Gulf of Cadiz: influence of focused fluid migration and Mediterranean undercurrents