
EGU 2008 Meeting Programme

Energy, Resources & the Environment

Monday

ERE1 Preparing for a carbon-constrained future: cost-effectiveness & risk management of energy options (co-listed in CL)

Convener: Held, H.
Co-Convener(s): Bruckner, T., Saison, A.
Lecture Room 16
Chairperson: N.N.

15:30–16:00; EGU2008-A-12347; ERE1-1MO4O-001
Bruckner, T.; Edenhofer, O.
Robust Options for Decarbonisation: The Role of Renewable Energies (solicited)

16:00–16:15; EGU2008-A-12348; ERE1-1MO4O-002
Mann, J.
Wind Power Meteorology (solicited)

16:15–16:30; EGU2008-A-12251; ERE1-1MO4O-003
Kühn, M.; Schilling, F.
Leakage from geological reservoirs: Monitoring and Modelling (solicited)

16:30–16:45; EGU2008-A-06778; ERE1-1MO4O-004
Kleinen, T.; Petschel-Held, G.; Bruckner, T.
The 2 degree target and climate sensitivity uncertainty

16:45–17:00; EGU2008-A-11952; ERE1-1MO4O-005
Held, H.; Kriegler, E.; Lessmann, K.; Edenhofer, O.
Triple Hedging for Mitigation - Managing the Risk of Expensive Renewables, Large Climate Sensitivity and Underground-CO₂ Leakage

17:00 END OF SESSION

ERE2 Wind Power Meteorology

Convener: Mann, J.
Co-Convener(s): Sempreviva, A., Barthelmie, R., Pontes, T.
Lecture Room 16
Chairperson: MANN, J.

17:30–17:45; EGU2008-A-04842; ERE2-1MO5O-001
Lindenberg, J.; Mengelkamp, H.-T.; Yu, W.
Sensitivity study of simulated wind profiles to model resolution, land cover and climate forcing data

17:45–18:00; EGU2008-A-09566; ERE2-1MO5O-002
Winterfeldt, J.; Weisse, R.
Comparison of measured and simulated wind speed data in the North Atlantic

18:00–18:15; EGU2008-A-10538; ERE2-1MO5O-003
Pontes, M.T.; **Sempreviva, AM;** Giebel, G.; Barthelmie, R.; Sood, A.; Lang, B.
Wave and Offshore Wind Resource Characterization

18:15–18:30; EGU2008-A-03419; ERE2-1MO5O-004
Sood, A.; Heinemann, D.
Integrated Approach to Offshore Wind-Wave Resource Assessment

18:30–18:45; EGU2008-A-09886; ERE2-1MO5O-005
Mann, J. ; Mikkelsen, T.; Courtney, M. S.
Remote sensing in wind energy

18:45–19:00; EGU2008-A-10289; ERE2-1MO5O-006
Parmentier, R.; Aussibal, C.; Cariou, J.P.; Sauvage, L.
Windcube pulsed lidar compact wind profiler: overview on 1 year of comparison campaigns with calibrated sensors at different locations

19:00 END OF ORAL SESSIONS

Chairperson: MANN, J.

19:00–19:15; EGU2008-A-06971; ERE2-1MO6O-001
García-Bustamante, E.; González-Rouco, J.F.; Jiménez, P.A.; Navarro, J.; Montávez, J.P.
Wind and wind power predictability at monthly timescales based on their relation with the North Atlantic circulation

19:15–19:30; EGU2008-A-03160; ERE2-1MO6O-002
Mestre, O.; Usaola, J.; Lacour, C.; Saguan, M.; Halle-gatte, S.
Wind energy production forecasts by means of economic loss functions minimization

19:30–19:45; EGU2008-A-09385; ERE2-1MO6O-003
Bertsch, F.; Saleck, N.; von Bremen, L.; Ritzschke, M.; Heinemann, D.; Meffert, B.
Forecast Of Wind Power Development Using On-Line Measurements From Multiple Wind Farms

19:45–20:00; EGU2008-A-07445; ERE2-1MO6O-004
Weidinger, T.; Gyongyosi, A.Z.; Kiss, A.; Banfalvi, K.
Uncertainties of wind power forecasts for Western Transdanubium from mesoscale NCEP/ETA and WRF models

20:00 END OF SESSION

ERE2 Wind Power Meteorology – Posters

Convener: Mann, J.
Co-Convener(s): Sempreviva, A., Barthelmie, R., Pontes, T.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0301; EGU2008-A-07088; ERE2-1MO3P-0301
Jiménez, P. A.; González-Rouco, J. F.; Montávez, J. P.; García-Bustamante, E.; Navarro, J.
Identification of homogeneous surface wind regions and evaluation of numerical simulations performance in reproducing their wind variability

XY0302; EGU2008-A-09073; ERE2-1MO3P-0302
von Bremen, L.; Hagedorn, R.
Probabilistic Wind Power Forecasts using ECMWF's Ensemble Prediction System

XY0303; EGU2008-A-11746; ERE2-1MO3P-0303
Canadillas, B.; **Neumann, T.;** Riedel, V.
Comparison of large eddy simulations against observation for a nearly neutral stratification atmosphere. Wind energy application

XY0304; EGU2008-A-04819; ERE2-1MO3P-0304
Jiang, J.; Bremen, L.; Wessel, A.; Heinemann, D.; Lange, B.
phase-shift correction of wind field forecast with met-mast
observations for wind power forecasting

XY0305; EGU2008-A-05648; ERE2-1MO3P-0305
Pryor, S.C.; Barthelmie, R.J.; Takle, G.S.
Historical trends in wind speeds from observational data,
reanalysis output and Regional Climate Model simulations
over the continental USA

XY0306; EGU2008-A-03657; ERE2-1MO3P-0306
Barth, S.; Duijves, K.A.; Eecen, P.J.; Hendriks, H.B.;
Klaver, J.P.M.; Oostrum, H.E.; Stam, W.J.; Werkhoven, E.J.
The Scaled Wind Farm Facility

XY0307; EGU2008-A-05326; ERE2-1MO3P-0307
Barthelmie, R.J.; UPWIND WP8 partners
Wake modelling and measurements in Upwind

XY0308; EGU2008-A-01841; ERE2-1MO3P-0308
Hasager, C.B.; Christiansen, M.B.; Nielsen, M.
Scandinavian Seas wind resource mapping using synthetic
aperture radar

XY0309; EGU2008-A-03466; ERE2-1MO3P-0309
Sood, A.; Oschieng, X. F.; Heinemann, D.; Suselj, K.;
Schmidt, M.
Identifying wind resources in Tropical East Africa - A case
study for Kenya

XY0310; EGU2008-A-03511; ERE2-1MO3P-0310
Sood, A.; Schmidt, M.; Heinemann, D.; Suselj, K.
Improving coastal wind resources assessment using high
resolution surface forcing in the German Bight

XY0311; EGU2008-A-11257; ERE2-1MO3P-0311
Giebel, G.; Barthelmie, R.; **Sempreviva, A.M.**; Pinson, P.;
Lange, B.; Sood, A.; Kariniotakis, G.; Perez, I.M.; Pontes, T.
POW*WOW - Workshops and Virtual Laboratories support-
ing wind research

XY0312; EGU2008-A-05411; ERE2-1MO3P-0312
Paetzold, A.; Mengelkamp, H.-T.
Comparison of wind field simulations with wind turbine
energy yield data

ERE10 Natural stone resources for historical monuments

Convener: Prikryl, R.
Co-Convener(s): Török, Á.
Lecture Room 17
Chairperson: N.N.

15:30–15:45; EGU2008-A-05673; ERE10-1MO4O-001
Hyslop, E.; Albornoz-Parra, L.
A methodology for assessing the future stone repair needs
for a city: an example from Glasgow, Scotland

15:45–16:00; EGU2008-A-02058; ERE10-1MO4O-002
Török, Á.
Eocene marl in the monuments of Hungary, fabric and
physical properties

16:00–16:15; EGU2008-A-06287; ERE10-1MO4O-003
Ástn, A.; Prikryl, R.
Quantitative microstructural analysis: fabric parameters as a
tool for the provenance determination of marbles

16:15–16:30; EGU2008-A-11624; ERE10-1MO4O-004
Kubicar, L.; Vretenar, V.; Bohac, V.; Stofanik, V.; Tiano, P.
Thermophysical properties of some natural stones measured
by transient techniques

16:30–16:45; EGU2008-A-06052; ERE10-1MO4O-005
Gajda, J.; Prikryl, R.; Vavro, M.; Martinec, P.
Restoration of historical stone sculptures carved from
chlorite-talc schists and soapstone in the Czech Republic

16:45–17:00; EGU2008-A-01988; ERE10-1MO4O-006
Yu, S.; Oguchi, C. T.
Is Sodium Sulfate Always the Most Effective Salt in De-
stroying Any Type of Rock?

17:00 END OF SESSION

ERE11 Aggregates – the most widely used geological material

Convener: Prikryl, R.
Co-Convener(s): Török, Á., Miskovsky, K.
Lecture Room 8
Chairperson: N.N.

17:30–17:45; EGU2008-A-06660; ERE11-1MO5O-001
Akesson, U.A.; Lindqvist, JEL
Microstructural parameters controlling the mechanical
properties of granite aggregates

17:45–18:00; EGU2008-A-05150; ERE11-1MO5O-002
Xirouchakis, D.; Bouzinos, A.; Antonopoulos, K.; Boukou-
valas, V.
Physical and mechanical characteristics of crushed limestone
aggregates from Greece: Preliminary data evaluation

18:00–18:15; EGU2008-A-08236; ERE11-1MO5O-003
Göransson, M.; Lundqvist, S.
The effect of static and dynamic recrystallization, differences
in technical properties of the bedrock of the southwestern
part of Sweden.

18:15–18:30; EGU2008-A-08488; ERE11-1MO5O-004
Tensay, B.G.; Aschauer, F.; Acharya, M.S.; Wu, W.
Effect of oversized material on soil permeability

18:30–18:45; EGU2008-A-06017; ERE11-1MO5O-005
Oguchi, C. T.; Yamada, T.
Study in salt weathering on concrete: field observation and
experiment

18:45–19:00; EGU2008-A-11632; ERE11-1MO5O-006
Johansson, E.; Miskovsky, K.; Loorents, K.-J.; Löfgren, O.
A method for estimation of free mica particles in aggregate
fine fraction by image analysis of grain mounts

19:00 END OF SESSION

Tuesday

ERE4 Renewable resources in general

Convener: Bruckner, T.
Co-Convener(s): Wahl, N.
Lecture Room 16
Chairperson: BRUCKNER, T

17:30–18:00; EGU2008-A-00406; ERE4-1TU5O-001
WAHL, N.A.
Recent and Future Trends in Utilizing the Renewable Energy
Resource – Sea Based Energy Converters (solicited)

18:00–18:15; EGU2008-A-03344; ERE4-1TU5O-002
Biberacher, M.; Gadocha, S.
GIS based Model to optimize possible self sustaining regions
in the context of a renewable energy supply

18:15–18:30; EGU2008-A-10499; ERE4-1TU50-003
Warnecke, S.; Overesch, M.; Brauckmann, H.-J.; Broll, G.
The Effect of Biogas Production induced Land Use Changes
on Soil Organic Carbon Stocks – Case Study and Modelling
Approach with CANDY

18:30–18:45; EGU2008-A-12141; ERE4-1TU50-004
Jolie, E.; Kraml, M.
Geothermal Potential Assessment in the Virunga National
Park, Rwanda

18:45–19:00; EGU2008-A-06111; ERE4-1TU50-005
Lange, M. A.
Renewable Energy Sources and their Use on Cyprus

19:00 END OF SESSION

ERE4 Renewable resources in general – Posters

Convener: Bruckner, T.
Co-Convener(s): Wahl, N.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: BRUCKNER, T

XY0281; EGU2008-A-00602; ERE4-1TU4P-0281
Mandal, S
Land use and energy optimisation in the Himalayas: case
study of a watershed:

XY0282; EGU2008-A-03524; ERE4-1TU4P-0282
Sood, A.; Heinemann, D.; Suselj, K.
Potential of renewable energy resources at remote himalayan
communities

XY0283; EGU2008-A-06717; ERE4-1TU4P-0283
Goetzl, G.; Salcher, B.; Zekiri, F.; Berka, R.; Schubert, G.;
Hobiger, G.
Complex Geothermal Basin Analysis of the Southern Vienna
Basin

XY0284; EGU2008-A-07398; ERE4-1TU4P-0284
Reiher, W.; Bach, M.; Breuer, L.; Frede, H.-G.
'Energy Crops, Economy and Environment' – an integrated
assessment of the effects of land use change induced by
biogas plants

XY0285; EGU2008-A-11269; ERE4-1TU4P-0285
Belelli Marchesini, L.; Casa, R.; Papale, D.; Pieruccetti, F.;
Stefani, P.; Arriga, N.; Mazzenga, F.; Valentini, R.
Evaluation of the greenhouse-gas reduction efficacy of a
rapeseed (*Brassica napa* L.) biofuel crop and impact of
agronomic techniques.

XY0286; EGU2008-A-04769; ERE4-1TU4P-0286
Capron, M. E.
Producing methane and liquid carbon dioxide simultane-
ously in water supported structures

XY0287; EGU2008-A-04748; ERE4-1TU4P-0287
Varga, A.; Mohácsi, Á.; Szabó, A.; Hanyecz, V.; Bozóki, Z.;
Szabó, G.
Photoacoustic detection systems for biogas applications

XY0288; EGU2008-A-10788; ERE4-1TU4P-0288
Kolovos, A.
Advanced Tools for Renewable Energy Spatiotemporal
Modelling

XY0289; EGU2008-A-09719; ERE4-1TU4P-0289
Sheehan, C.; Harrington, J.
The sustainable reuse of dredge material in Ireland

XY0290; EGU2008-A-11749; ERE4-1TU4P-0290
Murphy, J.P.; Riordan, J.D.; Harrington, J.; **Sheehan, C.**
Construction and demolition waste and dredge material as
landfill liner in Ireland

XY0291; EGU2008-A-07175; ERE4-1TU4P-0291
J. Ganchimeg, G.; M. Takahashi, T.; G. Itsuo, I.; Sh.
Purevsuren, P.; K. Yoshikawa, Y
Using Sewage Sludge as a Soil Fertility

XY0292; EGU2008-A-06249; ERE4-1TU4P-0292
Bheemalingeswara, K.; Dubey, N.; Tadesse, N.; Mekelle
University Team
Sedimentological and structural control on groundwater re-
sources in and around Mekelle city, Tigray region, northern
Ethiopia

ERE10 Natural stone resources for historical monuments – Posters

Convener: Prikryl, R.
Co-Convener(s): Török, Á.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 08:30–10:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0293; EGU2008-A-02363; ERE10-1TU1P-0293
Nijland, T.G.; van Hees, R.P.J
Use and durability of Morley oolitic limestone (Dépt.
Meuse, France) in the Netherlands

XY0294; EGU2008-A-03300; ERE10-1TU1P-0294
Calia, A.; Locuratolo, G.; Matera, L.; Sileo, M.
Building materials of the Apulia region (Southern Italy): the
quarries of the “pietra gentile”

XY0295; EGU2008-A-06762; ERE10-1TU1P-0295
Marrocchino, E.; Gulinelli, M. T.; Bonatti, E.; Vaccaro, C.
The Riminaldi's Lithothèque (Ferrara): an example of stone
materials' archives in Italy.

XY0296; EGU2008-A-07458; ERE10-1TU1P-0296
Prikryl, R.; Zak, K.; Juklova, E.
Exotic rocks in Týrov castle (Bohemia, Czech Republic): an
insight in medieval construction technology

XY0297; EGU2008-A-10401; ERE10-1TU1P-0297
Polányi, S.; **Török, Á.**
Selection of replacement stones of Mathias Church, Bu-
dapest; non-destructive and destructive laboratory tests

XY0298; EGU2008-A-10639; ERE10-1TU1P-0298
Hajpál, M.
Behavior of Hungarian monumental stones in fire

XY0299; EGU2008-A-11622; ERE10-1TU1P-0299
Kubícar, L.; Vretenar, V.; Bohac, V.; Stofanik, V.; Tiano, P.
Analysis of thermal-moisture regime of the marble plates on
the cupola wall of Florence Cathedral

XY0300; EGU2008-A-11722; ERE10-1TU1P-0300
Gajda, J.; Martinec, P.; Vavro, M.; Scucka, J.; Muller, K.
Restoration and reconstruction of extremely weathered and
damaged sandstones on Renaissance reliefs

XY0301; EGU2008-A-11845; ERE10-1TU1P-0301
Pápay, Z.; Török, Á.
Physical changes of porous Hungarian limestones related to
silica-acid-ester consolidant treatments, the key properties
of monumental stones in assessing the performance of
consolidants

XY0302; EGU2008-A-11881; ERE10-1TU1P-0302
Bauer, J.; Schneider, C.; Ziesch, J.; **Siegesmund, S.**;
Török, Á.
Building stones used at the Buda castle (Budapest, Hungary), lithologies and weathering

ERE11 Aggregates – the most widely used geological material – Posters

Convener: Prikryl, R.
Co-Convener(s): Török, Á., Miskovsky, K.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0303; EGU2008-A-02464; ERE11-1TU2P-0303
Schicker, A.; Gier, S.
Optimising load capacity, robustness and air humidity resistance of loam bricks

XY0304; EGU2008-A-03944; ERE11-1TU2P-0304
Miko, S.; Dedić, Ž.; Hasan, O.; Lukšić, B.; Kovačević, E.
GIS modelling of stone aggregate extraction potential in Dalmatia, Croatia

XY0305; EGU2008-A-07387; ERE11-1TU2P-0305
Lukschová, Š.; Pertold, Z.; Pøikryl, R.; Hromádka, J.
Alkali-silica or alkali-carbonate reaction: petrographic analysis of concrete containing limestone aggregates

XY0306; EGU2008-A-07423; ERE11-1TU2P-0306
Lukschová, Š.; Pøikryl, R.; Pertold, Z.
The microscopic signs of ASR in experimental specimens compared with concrete samples

XY0307; EGU2008-A-07551; ERE11-1TU2P-0307
Grohova Krutilova, K.; Prikryl, R.; Dobry, M.
Digital image processing of the shape of crushed stone particles

XY0308; EGU2008-A-08184; ERE11-1TU2P-0308
Martinec, P.; Scucka, J.; Vavro, M.
Grain morphology of greywacke aggregates

XY0309; EGU2008-A-09417; ERE11-1TU2P-0309
Andriani, G.F.; Walsh, N.
The influence of depositional fabric and diagenetic processes on physico-mechanical properties in calcarenite rocks

XY0310; EGU2008-A-10095; ERE11-1TU2P-0310
Török, Á.
Limestone and a dolomitic limestone, differences in fabric and aggregate properties

XY0311; EGU2008-A-11633; ERE11-1TU2P-0311
Loorents, K.-J.; **Miskovsky, K.**
The influence of heating on the mechanical properties of coarse aggregates consisting of granitic composition

XY0312; EGU2008-A-11635; ERE11-1TU2P-0312
Loorents, K.-J.; Johansson, E.; Arvidsson, H.
Free mica grains in crushed rock aggregates

Thursday

IS72 - ERE8/GMPV28 Advances in CO2 storage in geological systems (co-organized by ERE & GMPV)

Convener: Kühn, M.
Co-Convener(s): Busch, A., Marini, L., Quattrocchi, F.
Lecture Room 14
Chairperson: KÜHN, M. AND MARINI, L.

8:30–8:45; EGU2008-A-03052; IS72 - ERE8/GMPV28-1TH1O-001
Oppermann, B.I.; Michaelis, W.; Schulz, H.M.; **Krüger, M.**
Effects of Elevated CO2 Concentrations on Microbial Populations at a Terrestrial CO2 Vent at Latera, Italy

8:45–9:00; EGU2008-A-11158; IS72 - ERE8/GMPV28-1TH1O-002
Hoth, N.; Muschalle, T.; Kassahun, A.; Ehinger, S.; Seifert, J.; Schlömann, M.
Autoclave experiments in the system sequestered CO2/ autochthonic biocenosis and formation waters/ rock material for the Upper Carboniferous sandstone gas reservoir Schneeren (NW-Germany)

9:00–9:15; EGU2008-A-08999; IS72 - ERE8/GMPV28-1TH1O-003
Kempka, T.; Schlüter, R.; Kunz, E.; Golz, N.; Fernández-Steeger, T.
UCG-CCS - An economic and sustainable approach for future energy generation?

9:15–9:30; EGU2008-A-10641; IS72 - ERE8/GMPV28-1TH1O-004
Annunziatellis, A.; **Beaubien, S. E.**; Ciotoli, G.; Coltella, M.; Lombardi, S.
Development of a rapid, low-cost technique for sensitive CO2 leakage mapping

9:30–9:45; EGU2008-A-06391; IS72 - ERE8/GMPV28-1TH1O-005
Chiodini, G.; Baldini, A.; Caliro, S.; **Cardellini, C.**; Costa, A.; Folch, A.; Frondini, F.; Granieri, D.; Morgantini, N.
Degassing of natural geological CO2 in central and southern Italy: accumulation at depth and release at surface.

9:45–10:00; EGU2008-A-09864; IS72 - ERE8/GMPV28-1TH1O-006
Wollenweber, J.; Alles, S.; Busch, A.; Stanjek, H.; Krooss, B.M.
Mineral Alteration and Changes in Transport Properties in Caprocks due to CO2 Treatment – an experimental Study

10:00 COFFEE BREAK

Chairperson: QUATTROCCHI, F. AND KÜHN, M.

10:30–10:45; EGU2008-A-11265; IS72 - ERE8/GMPV28-1TH2O-001
Boschi, C.; Dini, A.; Dallai, L.; Gianelli, G.; Ruggieri, G.
The role of cyclic hydro-fracturing and Si-rich fluids on efficiency of serpentinite carbonation: the example of Malenrata magnesite deposit (Tuscany, Italy)

10:45–11:00; EGU2008-A-08955; IS72 - ERE8/GMPV28-1TH2O-002

Cantucci, B.; Procesi, M.; Buttinelli, M.; Montegrossi, G.; Vaselli, O.; Quattrocchi, F.
Mineralogy and geochemical trapping of CO₂ in an Italian carbonatic deep saline aquifer: preliminary results

11:00–11:15; EGU2008-A-06868; IS72 - ERE8/GMPV28-1TH2O-003

Geloni, C.; Marcolini, M.; Battistelli, A.; Gherardi, F.; Biagi, S.
Modeling of water-rock reactions driven by the injection of supercritical CO₂ – H₂S mixtures in a natural gas layer

11:15–11:30; EGU2008-A-10423; IS72 - ERE8/GMPV28-1TH2O-004

Huet, B.; Prevost, J.; Scherer, G.
Reactive transport modeling of cement degradation in brines: effect of pH and CO₂ content

11:30–11:45; EGU2008-A-09323; IS72 - ERE8/GMPV28-1TH2O-005

Marcolini, M.; Geloni, C.; Battistelli, A.; Gherardi, F.; Biagi, S.
Near wellbore processes and water-rock reactions driven by the geologic sequestration of dry CO₂ in a natural gas layer.

11:45–12:00; EGU2008-A-12178; IS72 - ERE8/GMPV28-1TH2O-006

Kopp, A.; Class, H.; Helmig, R.
Dimensional Analysis on CO₂ Injection Processes in Saline Geologic Formations

12:00 END OF SESSION

IS72 - ERE8/GMPV28 Advances in CO₂ storage in geological systems (co-organized by ERE & GMPV) – Posters

Convener: Kühn, M.
Co-Convener(s): Busch, A., Marini, L., Quattrocchi, F.
Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: KÜHN, M. AND MARINI, L. AND QUATTROCCHI, F.

XY0269; EGU2008-A-09313; IS72 - ERE8/GMPV28-1TH3P-0269

Wandrey, M.; Lerm, S.; **Morozova, D.;** Würdemann, H.
Characterisation of the microbial community of the CO₂ reservoir in saline aquifer in Ketzin, Germany

XY0270; EGU2008-A-00505; IS72 - ERE8/GMPV28-1TH3P-0270

Li, D.Y.; Liu, Q.F.; Gensteblum, Y.; Krooss, B.M.; Busch, A.
Methane and carbon dioxide thermodynamic and kinetic sorption/desorption behaviour of Chinese coals

XY0271; EGU2008-A-00740; IS72 - ERE8/GMPV28-1TH3P-0271

Han, F.; Yang, J.; Liu, Z.; Busch, A.; Krooss, B.M.
Permeation of CO₂ and methane in coal matrix blocks (cancelled)

XY0272; EGU2008-A-05829; IS72 - ERE8/GMPV28-1TH3P-0272

Day, S.; Sakurovs, R.; Weir, S.
On the relationship between gases and their sorption capacity by coals (cancelled)

XY0273; EGU2008-A-03653; IS72 - ERE8/GMPV28-1TH3P-0273

Faber, E.; Poggenburg, J.; Teschner, M.; Spickenbom, K.; Rann, N.; May, F.; Möller, I.
CCS-related experiences of near surface soil gas monitoring experiments

XY0274; EGU2008-A-06201; IS72 - ERE8/GMPV28-1TH3P-0274

Jeandel, E.J.; Battani, A.B.; Sarda, P.S.
CO₂ storage monitoring using noble gas geochemistry

XY0275; EGU2008-A-11510; IS72 - ERE8/GMPV28-1TH3P-0275

Ghergut, I.; Sauter, M.; Licha, T.
Single-well and inter-well spiking design for characterizing potential CO₂ storage sites in deep geologic formations in Germany

XY0276; EGU2008-A-04934; IS72 - ERE8/GMPV28-1TH3P-0276

Kitamura, K.; Xue, Z.
Experimental study of residual CO₂ saturation in the sandstones with different pore structures

XY0277; EGU2008-A-08302; IS72 - ERE8/GMPV28-1TH3P-0277

Luquot, L.; Andreani, M.; Gouze, Ph.
Fluid-rock reactions along the CO₂ migration pathway in limestone reservoir: experimental results and modeling

XY0278; EGU2008-A-10042; IS72 - ERE8/GMPV28-1TH3P-0278

Andreani, M.; **Luquot, L.;** Gouze, Ph.; Godard, M.; Gibert, B.
Experimental carbonation of peridotite by percolation of CO₂-rich fluids at 160°C and 120 bars

XY0279; EGU2008-A-02380; IS72 - ERE8/GMPV28-1TH3P-0279

Bachaud, P.; Berne, Ph.; Leclerc, J.P.; Renard, F.
Determination of the petrophysical characteristics of caprock samples for carbon dioxide storage in deep saline aquifers

XY0280; EGU2008-A-06050; IS72 - ERE8/GMPV28-1TH3P-0280

Kühn, M.; Meyer, R.; Back, M.; Clauser, C.; Stanjek, H.; Peiffer, S.
Storage capacity of CO₂ by mineral trapping in the hydrogeothermal reservoir structure at Stralsund, Germany

XY0281; EGU2008-A-08024; IS72 - ERE8/GMPV28-1TH3P-0281

Accornero, M.; **Marini, L.;**
Improvement of the Pitzer thermodynamic database of the EQ3/6 software package for the geochemical modeling of geological CO₂ disposal

XY0282; EGU2008-A-10439; IS72 - ERE8/GMPV28-1TH3P-0282

Naderi Beni, A.; Kühn, M.; Meyer, R.; Clauser, C.
Geological sequestration of CO₂ in North Rhine Westphalia (Germany)

XY0283; EGU2008-A-09717; IS72 - ERE8/GMPV28-1TH3P-0283

Quattrocchi, F.; Buttinelli, M.; Procesi, M.; Cantucci, B.; Moia, F.
Development of an Italian catalogue of potential CO₂ storage sites: an approach from deep wells data

Friday

ERE6 Organic matter composition and source rock potential assessment

Convener: Saison, A.
Lecture Room 2
Chairperson: N.N.

8:30–8:45; EGU2008-A-04696; ERE6-1FR10-001

Pedentchouk, N.; Freeman, K.H.; Harris, N.B.
Distinct variations among source rocks from Early Cretaceous West African rift basins based on hydrogen and carbon isotope values of n-alkanes

8:45–9:00; EGU2008-A-01601; ERE6-1FR10-002

Maslen, EM; Grice, KG; Gale, JDG; Horsfield, BH
Croctane a marker for photic-zone euxinia in Devonian source rocks (Duvernay Formation, Western Canada Sedimentary Basin) and crude oils

9:00 END OF SESSION

ERE6 Organic matter composition and source rock potential assessment – Posters

Convener: Saison, A.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0247; EGU2008-A-07779; ERE6-1FR3P-0247

Coianiz, L.; Ariztegui, D.; Piovano, E.; Guilizzoni, P.; Lami, A.
Lacustrine Organic Matter (LOM) in a saline to hypersaline system: Tracking the relationship between modern depositional environments and organic matter formation and distribution

XY0248; EGU2008-A-12227; ERE6-1FR3P-0248

Saison, A
Mackenzie Delta (Canada): Influence of depositional history on organic facies variations and petroleum formation predictions

ERE7 Petroleum: Composition, biodegradation and Modelling

Convener: Saison, A.
Lecture Room 2
Chairperson: N.N.

9:00–9:15; EGU2008-A-12229; ERE7-1FR10-003

Luan, X; Jin, Y; Obzhirov, A; Yue, B
Free gas in gas hydrate stability zone-data from Okhotsk Sea

9:15–9:30; EGU2008-A-04753; ERE7-1FR10-004

Varga, A.; Mohácsi, Á.; Puskás, S.; Bozóki, Z.; Szabó, G.
Photoacoustic system for on-line process monitoring of hydrogen sulfide (H₂S) and water vapor concentration in natural gas streams

9:30–9:45; EGU2008-A-01509; ERE7-1FR10-005

Schulz, H.-M.; van Berk, W.
The Atzbach-Schwanenstadt gas field (Upper Austrian Molasse Basin): Retracing bacterial methane gas generation and filling history by mass balancing of organic carbon conversion applying hydrogeochemical modelling

9:45–10:00; EGU2008-A-05942; ERE7-1FR10-006

Ronkin, Y.; Maslov, V.; Izotov, V.; Sitdikova, L.; Akchurin, T.; Anan'ev, V.
The trace elements, “nontraditional” and radiogenic isotopes in crude oils and bituminoid of the Romashkinsky oil fields (Tatarstan, Russia)

10:00 END OF SESSION

ERE7 Petroleum: Composition, biodegradation and Modelling – Posters

Convener: Saison, A.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0249; EGU2008-A-07886; ERE7-1FR3P-0249

Ibrahim, O.; **Mohamed Ibrahim, M.;** Mohamed Abdalla, Y.
Biodegradation and oil quality in siliciclastic Cretaceous reservoirs

XY0250; EGU2008-A-01507; ERE7-1FR3P-0250

Kassold, S.; **Schulz, H.-M.;** Wilkes, H.; Haberer, R.; van Berk, W.; Naumann, R.; Plessen, B.; Hartmann, J.
Biodegradation-controlled organic-inorganic interactions in a Jurassic oil reservoir: Heidrun field, Haltenbanken area (Norway)

XY0251; EGU2008-A-00856; ERE7-1FR3P-0251

Rodriguez, R.; Urrutia, J
Estimation of porosity maps using seismic multiattributes and neural networks: A case study

XY0252; EGU2008-A-04611; ERE7-1FR3P-0252

Izotov, V.; Sitdikova, L.; Bruzhes, L.; Aukhatov, Y.
The clay component of the Jurassic oil reservoirs of the Middle Ob group of fields (Western Siberia)

XY0253; EGU2008-A-04616; ERE7-1FR3P-0253

Izotov, P.; Sitdikova, L.
Bacterial forms of pyrite in clayey oil reservoirs in the northern regions of the West Siberian Province

XY0254; EGU2008-A-09484; ERE7-1FR3P-0254

A. Lahfid, A.L.; O. Beyssac, O.B.; E. Deville, E.D.; B. Goffé, B.G.; C. Chopin, C.C.
A quantitative calibration of Raman Spectroscopy of Carbonaceous Materials geothermometer (RSCM) in the range 180–330° C.

XY0255; EGU2008-A-00353; ERE7-1FR3P-0255

Aldahik, A.; Wilkes, H.; Schulz, H.M.; Horsfield, B.; Dominik, W.; Nederlof, P.; Dransfield, M.
Crude oil families and mixing in the Euphrates Graben, Syria

XY0256; EGU2008-A-01508; ERE7-1FR3P-0256

Horsfield, B.; **Schulz, H.-M.;** Team, GASH
GASH: A shale gas initiative for Europe

ERE9 Climate change impact on economical and industrial activities

Convener: Parey, S.
Co-Convener(s): Morse, A., Rothstein, B.
Lecture Room 2
Chairperson: N.N.

10:30–11:00; EGU2008-A-11696; ERE9-1FR20-001

Kuhlbrodt, T.
Which economic impacts does a weakening of the Atlantic thermohaline (solicited)

11:00–11:15; EGU2008-A-02848; ERE9-1FR2O-002
Hallegatte, S.

Adaptation to climate change: issues and obstacles

11:15–11:30; EGU2008-A-04678; ERE9-1FR2O-003
Goodess, CM; Agnew, M; The CIRCE RL11 team

Cross-sectoral impacts and adaptation assessments - the
CIRCE Mediterranean case studies

11:30–11:45; EGU2008-A-10049; ERE9-1FR2O-004

Leboucher, V.; Deltel, C.; Laurent-Ottavi, C.

Estimation of mean and extreme wind speeds over France at
the end of the 21st century for industrial needs

11:45–12:00; EGU2008-A-09783; ERE9-1FR2O-005

Vescovi, L.; Cyr, J.F.; Turcotte, R.; Fortin, L.G.; Chau-
mont, D.; Ludwig, R.; Braun, M.; May, I.

Climate Change Study on the Châteauguay River Watershed:
Lessons Learned from a Multi Model Experiment

ERE9 Climate change impact on economical and industrial activities – Posters

Convener: Parey, S.

Co-Convener(s): Morse, A., Rothstein, B.

Display Time: Friday, 08:00–19:30

Authors in Attendance: Friday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0257; EGU2008-A-06686; ERE9-1FR3P-0257

Ginzburg, A; Makosko, A; Olkhov, V; Soldatenko, S

Weather and climate derivatives as risk mitigation tool in the
warming world

XY0258; EGU2008-A-12252; ERE9-1FR3P-0258

Köstner, B.

Land, climate and resources (LandCaRe) 2020 - foresight
and potentials in rural areas under regional climate change

12:00 END OF SESSION
