
EGU 2008 Meeting Programme

Natural Hazards

Monday

NH1.2 Extreme Events Induced by Weather and Climate Change: Evaluation, Forecasting and Proactive Planning (co-listed in AS, CL & GM)

Convener: Loukas, A.
Co-Convener(s): Llasat, M., Ulbrich, U.
Lecture Room 25
Chairperson: LLASAT, M.C.

8:30–8:45; EGU2008-A-02666; NH1.2-1MO1O-001
Kaspar, M.; Müller, M.
Synoptic-scale predictors of summer heavy large-scale precipitation

8:45–9:00; EGU2008-A-02736; NH1.2-1MO1O-002
Garcies, L.; Homar, V.
Ensemble sensitivities of the real atmosphere: Application to Mediterranean intense cyclones

9:00–9:15; EGU2008-A-03619; NH1.2-1MO1O-003
Dankers, R.; Feyen, L.
Climate change impact on flood hazard in Europe: An assessment based on regional climate scenarios

9:15–9:30; EGU2008-A-00341; NH1.2-1MO1O-004
Benestad, R.E.
Complementary to dynamical downscaling: empirical-statistical downscaling

9:30–9:45; EGU2008-A-08041; NH1.2-1MO1O-005
Beaulant, A. L.; Nuissier, O.; Joly, B.; Ducrocq, V.; Joly, A.; Somot, S.; Sevault, F.
High precipitating events in Mediterranean regions : a climate downscaling approach

9:45–10:00; EGU2008-A-08871; NH1.2-1MO1O-006
Loukas, A.; Vasiliades, L.; Patsonas, G.
Evaluation of statistical downscaling procedures for the estimation of climate change impacts on droughts

10:00 COFFEE BREAK

Chairperson: ULBRICH, U.

10:30–10:45; EGU2008-A-07816; NH1.2-1MO2O-001
Funatsu, B. M.; Claud, C.; Chaboureaud, J.-P.
A 6-year climatology of upper-tropospheric troughs and associated precipitation in the Mediterranean region based on AMSU observations

10:45–11:00; EGU2008-A-10904; NH1.2-1MO2O-002
Colfescu, I.; Boroneant, C.; Esteban, P.; Martin-Vide, J.
Classification of atmospheric circulation patterns associated to heavy precipitation in Romania

11:00–11:15; EGU2008-A-09871; NH1.2-1MO2O-003
Maraun, D.; Osborn, T.J.; Gillett, N.P.
UK daily precipitation intensity: extremes, trends and decadal variability

11:15–11:30; EGU2008-A-10608; NH1.2-1MO2O-004
Schlüter, I.; Schädler, G.
Simulation of extreme precipitation and evaluation of its variability for the flood risk management using the COSMO model

11:30–11:45; EGU2008-A-10201; NH1.2-1MO2O-005
Gouveia, C.; DaCamara, C. C.; Trigo, R. M.
Droughts monitoring in Portugal using satellite data

11:45–12:00; EGU2008-A-07033; NH1.2-1MO2O-006
LLasat, M.C.; LLasat-Botija, M.; López, L.
An analysis of the evolution of hydrometeorological extremes in newspapers

12:00 LUNCH BREAK

Chairperson: LOUKAS, A.

13:30–13:45; EGU2008-A-09760; NH1.2-1MO3O-001
Hoffman, R.; Henderson, J.
Exigent forecasting of extreme weather

13:45–14:00; EGU2008-A-10302; NH1.2-1MO3O-002
Brücher, T.; Fink, A.H.; Ermert, V.; Krüger, A.; Pinto, J.G.
The European Storm Kyrill in January 2007

14:00–14:15; EGU2008-A-06965; NH1.2-1MO3O-003
Panagoulia, D.; Fotopoulos, F.
On fitting distribution functions in maximum monthly precipitation under global warming

14:15–14:30; EGU2008-A-11489; NH1.2-1MO3O-004
Kravik, R.; Ólafsson, H.; Sorteberg, A.
Avalanches in Scandinavia in a future climate

14:30–14:45; EGU2008-A-10184; NH1.2-1MO3O-005
Dun, O.; Stal, M.
The linkages and dynamics between flooding and forced relocation: Fieldwork Experiences from Vietnam and Mozambique

14:45–15:00; EGU2008-A-10019; NH1.2-1MO3O-006
Warner, K.
The attribution problem and risk transfer: Emerging approaches to facilitate climate risk insurance solutions

15:00 END OF SESSION

NH1.2 Extreme Events Induced by Weather and Climate Change: Evaluation, Forecasting and Proactive Planning (co-listed in AS, CL & GM) – Posters

Convener: Loukas, A.
Co-Convener(s): Llasat, M., Ulbrich, U.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: LLASAT, M.C., ULBRICH, U., LOUKAS, A.

XY0399; EGU2008-A-00746; NH1.2-1MO5P-0399
Vautard, R.; Yiou, P.; Naveau, P.; Cassou, C.
Climate extremes and weather regimes

XY0400; EGU2008-A-01279; NH1.2-1MO5P-0400
Quénol, H.; Planchon, O.; Corgne, S.
Interest of the Hess-Brezowsky classification of circulation patterns in the analysis of rainy winters in Brittany (France)

XY0401; EGU2008-A-01622; NH1.2-1MO5P-0401
Livina, V.; Lenton, T.
 Modified degenerate fingerprinting for detecting incipient climate bifurcations

XY0402; EGU2008-A-01820; NH1.2-1MO5P-0402
Santos, J.A.; Andrade, C.; Corte-Real, J.
 North Atlantic transient eddies and winter precipitation extremes in Portugal

XY0403; EGU2008-A-02675; NH1.2-1MO5P-0403
Müller, M.; Kaspar, M.; Matschullat, J.
 Central-European extreme precipitation and discharge events

XY0404; EGU2008-A-02769; NH1.2-1MO5P-0404
Garcies, L.; Homar, V.
 An alternative approach to sensitivity analysis: Ensemble sensitivities of the real atmosphere

XY0405; EGU2008-A-02995; NH1.2-1MO5P-0405
Sillmann, J.; Croci-Maspoli, M.
 Atmospheric blockings as extreme events in a future climate

XY0406; EGU2008-A-03069; NH1.2-1MO5P-0406
Mestre, O.; Hallegatte, S.
 Data mining techniques applied to the forecast of hurricane landfalls on North Atlantic US coasts

XY0407; EGU2008-A-03456; NH1.2-1MO5P-0407
Donat, M.; Leckebusch, G.C.; Pinto, J.; Ulbrich, U.
 Analysis of the atmospheric circulation and cyclone tracks concerning the occurrence of wind storm events in Central Europe

XY0408; EGU2008-A-06221; NH1.2-1MO5P-0408
Georgescu, F.; Tascu, S.; Banciu, D.; Stefan, S.
 Atmospheric instability features associated to the dislocation of tropical air mass over Romania – a case study

XY0409; EGU2008-A-06903; NH1.2-1MO5P-0409
Petrucci, O.; Polemio, M.
 The role of on meteorological and climatic conditions on the occurrence of damaging hydro-geologic events (Southern Italy)

XY0410; EGU2008-A-09085; NH1.2-1MO5P-0410
Tascu, S.; Caian, M.; Georgescu, F.; Banciu, D.
 A severe weather event in Romania during winter – a case study

XY0411; EGU2008-A-09297; NH1.2-1MO5P-0411
Lux, R.; Kunz, M.
 Winter Storms with high loss potential in changing climate conditions: a regional view

XY0412; EGU2008-A-09529; NH1.2-1MO5P-0412
Kaltenböck, R.; Diendorfer, G.; Dotzek, N.
 Proximity sounding parameters obtained from ECMWF Analyses as predictor for local severe storm types in Europe.

XY0413; EGU2008-A-09557; NH1.2-1MO5P-0413
Pongracz, R.; Bartholy, J.; Szabo, P.; Gelybo, GY.
 Analysis of past and future trends of extreme precipitation indices for the Carpathian basin

XY0414; EGU2008-A-09572; NH1.2-1MO5P-0414
Dubrovsky, M.; Hayes, M.; Svoboda, M.; Trnka, M.; Wilhite, D.; Zalud, Z.
 Future global drought conditions in terms of the Palmer drought indices

XY0415; EGU2008-A-09597; NH1.2-1MO5P-0415
Seidel, J.; Imbery, F.; Dostal, P.; Sudhaus, D.; Buerger, K.
 Potential of historical meteorological and hydrological data for the reconstruction of flood events - the example of the 1882 flood in SW-Germany

XY0416; EGU2008-A-09846; NH1.2-1MO5P-0416
Planchon, O.; Dupont, N.
 Identification of spring weather patterns causing floods in the East of Brittany (France)

XY0417; EGU2008-A-09412; NH1.2-1MO5P-0417
Cole, S.J.; Moore, R.J.; Roberts, N.; Boswell, D.
 Using high-resolution numerical weather prediction models in flood forecasting: an extreme event case study

XY0418; EGU2008-A-10362; NH1.2-1MO5P-0418
Bliefernicht, J.; Bárdossy, A.; Ebert, C.
 Probabilistic forecast of daily areal precipitation by an analogue method using large-scale weather patterns as additional information

XY0419; EGU2008-A-11501; NH1.2-1MO5P-0419
Ólafsson, H.; Kravik, R.; Sorteberg, A.
 Avalanches in past and future climate in Iceland

XY0420; EGU2008-A-11617; NH1.2-1MO5P-0420
Bell, A.; Martin Leon, F
 Tropical characteristics of severe storms in Romania

XY0421; EGU2008-A-10029; NH1.2-1MO5P-0421
Matthies, A.; Schartner, Th.; Leckebusch, G.C.; Rohlfing, G.; Névir, P.; Ulbrich, U.
 Extreme weather events in southern Germany – Climatological risk and development of a nowcasting procedure

IS31 - NH2.5/AS4.02/HS3.5 Flash floods: observations and analysis of atmospheric and hydrological controls (co-organized by NH, AS & HS)

Convener: Borga, M.
 Co-Convener(s): Price, C., Szolgay, J., Mugnai, A.
 Lecture Room 33
 Chairperson: GAUME, E.

8:30–8:45; EGU2008-A-02420; IS31 -
 NH2.5/AS4.02/HS3.5-1MO10-001
Bernardara, P.; Gailhard, J.; Dupeyrat, A.; Paquet, E.; Garçon, R.; Hendrickx, F.
 Regional patterns of extreme behaviour of daily rainfall in France

8:45–9:00; EGU2008-A-07780; IS31 -
 NH2.5/AS4.02/HS3.5-1MO10-002
Bain, V.; THE HYDRATE TEAM
 European flash flood data

9:00–9:15; EGU2008-A-02456; IS31 -
 NH2.5/AS4.02/HS3.5-1MO10-003
Matsuda, M.; Yamakoshi, Y.; Tamura, T.; Terada, T
 The flash flood disaster in Japan in recent years, and its analysis.

9:15–9:30; EGU2008-A-08073; IS31 -
 NH2.5/AS4.02/HS3.5-1MO10-004
 Marchi, L.; Gaume, E.; **Bain, V.;** THE HYDRATE TEAM
 Methods of Post Flood Field Investigation: Lessons learned from trial on Selščica Sora River, Slovenia

9:30–9:45; EGU2008-A-06222; IS31 -
 NH2.5/AS4.02/HS3.5-1MO10-005
Bouilloud, L.; Kirstetter, P.-E.; Boudevillain, B.; Delrieu, G.
 Rainfall estimation in the context of post-event flash-flood analysis

9:45–10:00; EGU2008-A-06171; IS31 -
NH2.5/AS4.02/HS3.5-1MO1O-006
Bonnifait, L.; Delrieu, G.; Le Lay, M.
Hydrologic and hydraulic distributed modelling with radar
rainfall input - reconstruction of the 8-9 september 2002
catastrophic flood event in the Gard, France.

10:00 COFFEE BREAK

Chairperson: BORGA, M.

10:30–10:45; EGU2008-A-04004; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-001
Marchi, L.; Sangati, M.; Cavalli, M.
Geomorphologic processes triggered by a flash flood in a small
basin: the event of Rio Cucco (eastern Italian Alps), 29
August 2003

10:45–11:00; EGU2008-A-06311; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-002
Norbiato, D.; Degli Esposti, S.; Gaume, E.; Anquetin, S.
Flash flood warning based on rainfall depth-duration thresh-
olds and soil moisture conditions: An assessment under
European conditions

11:00–11:15; EGU2008-A-09071; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-003
Versini, P-A.; **Gaume, E.;** Andrieu, H.
About the need for distributed flood forecast in flash flood
prone areas: illustration with a road submersion forecasting
tool.

11:15–11:30; EGU2008-A-08109; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-004
Boni, G.; Campo, L.; Caparrini, F.; Castelli, F.; Ferraris, L.;
Rossi, L.
Use of soil moisture monitoring at national scale with as-
similation of satellite products for the operational flash-flood
forecast of the Italian civil protection

11:30–11:45; EGU2008-A-09452; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-005
Delogu, F.; Boni, G.; Gabellani, S.; Rudari, R.
A continuous hydrological model for operational flood
forecast exploiting satellite observations.

11:45–12:00; EGU2008-A-07831; IS31 -
NH2.5/AS4.02/HS3.5-1MO2O-006
Aronica, G.T.; Brigandi, G.
Use of soil moisture maps in probabilistic framework for
flash flood forecasting

12:00 LUNCH BREAK

Chairperson: MUGNAI, A.

13:30–13:45; EGU2008-A-11551; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-001
Sempere-Torres, D.; **Pegram, G.;** LLort, X; Velasco-
Forero, C; Franco, M
Generation of radar precipitation ensembles to assess radar
QPE uncertainties in real time

13:45–14:00; EGU2008-A-06035; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-002
Price, C.; Kohn, M.; Lagouvardos, K.; Kotroni, V.
Characteristics of thunderstorms that produce flash floods

14:00–14:15; EGU2008-A-06375; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-003
Stancalie, G.; Oprea, C.; Barbuc, M.; Matreata, S.;
Antonescu, B.; Irimescu, A.; Catana, S.; Breza, T.; Du-
mitrescu, A.; Burcea, S.
Meteorological and hydrological characteristics of severe
flash flood in Romania

14:15–14:30; EGU2008-A-09797; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-004
Serpetzoglou, E.; Papadopoulos, A.; Anagnostou, E.N.
The response of a NWP model to the ingestion of observed
precipitation data on its different land surface schemes in
cases of flash-flood inducing storms

14:30–14:45; EGU2008-A-11629; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-005
Younis, J.; Anquetin, S.; Thielen, J.
The benefit of high-resolution operational weather forecasts
for flash-flood warning

14:45–15:00; EGU2008-A-07693; IS31 -
NH2.5/AS4.02/HS3.5-1MO3O-006
Papadopoulos, A.; Anagnostou, E.N.; Serpetzoglou, E.;
Antonescu, B.; Oprea, C.; Burcea, S.
Investigating the impact of lightning data assimilation on
flash flood forecasting

15:00 END OF SESSION

IS31 - NH2.5/AS4.02/HS3.5 Flash floods: observations and analysis of atmospheric and hydrological controls (co-organized by NH, AS & HS) – Posters

Convener: Borgia, M.

Co-Convener(s): Price, C., Szolgay, J., Mugnai, A.

Display Time: Monday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: NORBIATO, D.

XY0422; EGU2008-A-09498; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0422
Tsanis, I.K.; Koutroulis, A.; Daliakopoulos, I.;
Michaelides, S.
Storm analysis and precipitation distribution of the flash
flood in Almyrida basin, Crete

XY0423; EGU2008-A-01855; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0423
McIntyre, N.; Al Qurashi, A.; Wheeler, H.
Comparison of rainfall-runoff modelling approaches for
flash flood modelling in Oman

XY0424; EGU2008-A-02020; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0424
Cao, Z.X.; Zhou, M.; Yue, Z.Y.
Threshold rainfall for flash flooding from full hydrodynamic
modeling

XY0425; EGU2008-A-02863; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0425
Rozalis, S.; Morin, E.; Price, C.; Yair, Y.
Flash flood modeling using radar rainfall data in Mediter-
ranean catchments in Israel

XY0426; EGU2008-A-02956; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0426
M. H. Hsu, MHH; C. J. Huang, CJH; A. S. Chen, ASC; Y.
H. Su, YHS
Development of Inundation Model for Real-time Scenario
Simulations

XY0427; EGU2008-A-04212; IS31 - NH2.5/AS4.02/HS3.5-
1MO5P-0427
Norbiato, D.; Blöschl, G.; Merz, R.; Carton, A
Controls on event runoff coefficients in the eastern Italian
Alps

XY0428; EGU2008-A-04707; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0428

Kohnová, S.; Parajka, J.; Szolgay, J.; Hlavcová, K.; Fasko, P.
Comparison of mapping approaches for estimation of design maximum daily precipitation totals for flood risk assessment in ungauged basins

XY0429; EGU2008-A-05132; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0429

Tarolli, P.; Zanon, F.; Macconi, P.
Hydrometeorological analysis of a major debris flow in the Central Italian Alps

XY0430; EGU2008-A-05415; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0430

Cheval, S.; Breza, T.; Dumitrescu, A.; Baci, M.
Characteristics of the rainfall Intensity-Duration-Frequency in Romania

XY0431; EGU2008-A-05979; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0431

Oprea, I.C.; Tascu, S.; Antonescu, A.
The Tecuci, Eastern Romania, flash flood of 5 September 2007

XY0432; EGU2008-A-06459; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0432

Versini, PAV.; Gaume, EG; Andrieu, EA
A simple method based on GIS to estimate the hydrological risk along a road network

XY0433; EGU2008-A-06119; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0433

Atencia, A.; Llasat, M.C.; Mediero, L.; Garrote, L.; Ceperuelo, M.; Barnolas, M.
A preliminary approach for coupling radar rainfall data into a distributed hydrological model

XY0434; EGU2008-A-07882; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0434

Brigandì, G.; Aronica, G.T.
Operational flash flood forecasting chain in Mediterranean catchment using hydrological and pluviometric precursors

XY0435; EGU2008-A-09030; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0435

Moulin, L.; Gaume, E.; Obled, Ch.
Intercomparison of the performances of lumped rainfall runoff models for flash flood forecasting.

XY0436; EGU2008-A-09109; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0436

Dessy, D.; Ficca, F.
Very high resolution non hydrostatic LAMs on a operational Linux Cluster.

XY0437; EGU2008-A-10098; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0437

Norbiato, D.; Borga, M.
Temporal and spatial resolution of rainfall estimates required for flash flood monitoring and modelling

XY0438; EGU2008-A-10482; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0438

Nikolopoulos, E.I.; Anagnostou, E.N.; Borga, M.; Vivoni, E.R.
Hydrologic analysis of flash floods in a mountainous basin.

XY0439; EGU2008-A-11123; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0439

Heidbuechl, I.; Kuells, C.
Controls of shallow aquifer characteristics on flash flood shape and incidence

XY0440; EGU2008-A-11166; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0440

Bell, A.; Martin Leon, F.; Schultz, D.
Tropical-like characteristics of flash-floods in South-Eastern Europe

XY0441; EGU2008-A-11817; IS31 - NH2.5/AS4.02/HS3.5-1MO5P-0441

Sirota, A.M.; **Lebedev, S.A.**
Storm surges in the Gulf of Finland and the Neva River observed on satellite altimetry data

NH4.2 Remote sensing and geophysical techniques for investigating unstable slopes (co-listed in GI)

Convener: Wasowski, J.
Co-Convener(s): Del Gaudio, V., Havenith, H.
Lecture Room 17
Chairperson: DEL GAUDIO, V.

8:30–8:45; EGU2008-A-03978; NH4.2-1MO10-001
Casagli, N.; Pancioli, V.; Campolmi, T.; Raetzo, H.
InSAR techniques for supporting landslide investigations: a regional and a local case studies from ESA-TerraFirma project

8:45–9:00; EGU2008-A-10662; NH4.2-1MO10-002
Crosta, G.B.; Allievi, J.; Frattini, P.; Giannico, C.; Lari, S.
Monitoring Deep-Seated Gravitational Slope Deformations in the Alps by PSInSAR?? techniques

9:00–9:15; EGU2008-A-09800; NH4.2-1MO10-003
Meisina, C.; Zucca, F.; Notti, D.; Colombo, A.; Cucchi, A.; Bianchi, M.; Colombo, D.; Giannico, C.
Potential and limitation of PSInSAR technique for landslide studies in the Piemonte Region (Northern Italy)

9:15–9:30; EGU2008-A-05757; NH4.2-1MO10-004
Wang, K.-L.; Lin, M.-L.; Lo, W.; Wang, T.-T.; Lai, Y.-T.; Wang, Y.-T.
The detection of a deep seated rock slide using remote sensing techniques

9:30–9:45; EGU2008-A-04795; NH4.2-1MO10-005
Niesner, EN; Weidinger, JTW
Results of a continuous geoelectrical monitoring in the forefront of the large landslide event of 2007/2008 in the Gschliefgraben (Gmunden/Upper Austria)

9:45–10:00; EGU2008-A-03018; NH4.2-1MO10-006
Grandjean, G.; Pradzynska, D.M.; Bogaard, T.A.; Malet, J.-P.; Bitri, A.
Characterization of the fissure system of landslide. Integration of seismic azimuth tomography, geotechnical tests and geomorphological mapping.

10:00 END OF SESSION

NH4.2 Remote sensing and geophysical techniques for investigating unstable slopes (co-listed in GI) – Posters

Convener: Wasowski, J.
Co-Convener(s): Del Gaudio, V., Havenith, H.
Display Time: Monday, 08:00–19:30
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Poster Area Halls X/Y
Chairperson: DEL GAUDIO, V.

XY0442; EGU2008-A-07222; NH4.2-1MO5P-0442
Wasowski, J.; Bovenga, F.; Casarano, D.; Lamanna, C.
Earth Observation for the investigating of landslides and unstable slopes

XY0443; EGU2008-A-03703; NH4.2-1MO5P-0443
Pancioli, V.; Casagli, N
Updating of a landslide inventory map through InSAR techniques: outcomes from ESA - TerraFirma project.

XY0444; EGU2008-A-09110; NH4.2-1MO5P-0444
Righini, G.; Del Ventisette, C.; Casagli, N.; Lombardi, L.
Case study on the updating of landslide inventory map with remote sensing data

XY0445; EGU2008-A-05812; NH4.2-1MO5P-0445
Bianchi, M.; Tamburini, A.; Alberto, W.; Giardino, M.; Bellini, A.; Broccolato, M.; Ratto, S.
Combined geomorphological and PSInSAR approach to characterize the Croix Courma Deep-seated Gravitational Slope Deformation (Pont St. Martin, Aosta – Italy).

XY0446; EGU2008-A-09399; NH4.2-1MO5P-0446
Dehls, J. F.; Lauknes, T. R.; Larsen, Y.; Henderson, I. H.
Landslide mapping in northern Norway using SBAS InSAR

XY0447; EGU2008-A-07518; NH4.2-1MO5P-0447
Pathe, C.; Wagner, W.; Hollaus, M.; **Doubkova, M.;** Naemi, V.; Bartsch, A.; Székely, B.
The EO-NatHaz project – remotely sensed soil moisture for assessment of natural hazards in the Austrian Alps

XY0448; EGU2008-A-09897; NH4.2-1MO5P-0448
Capra, A.; Corsini, A.; Bertacchini, E.; Borgatti, L.; Castagnetti, C.; Cervi, F.; Dubbini, M.; Ronchetti, F.; Bonanno, C.; Piantelli, E.
Monitoring active earth-slides failure dynamics by means of an integrated

XY0449; EGU2008-A-11732; NH4.2-1MO5P-0449
Pena-Rincon, G.I.; van Westen, C.; Malet, J.P.; Hantz, D.
Modeling shallow landslides. A case study from the Moulin catchment, Draix, South French Alps

XY0450; EGU2008-A-05929; NH4.2-1MO5P-0450
Grandjean, G.; Mathieu, F.; Travelletti, J.; Malet, J.-P.; Garel, E.
Hydrogeophysical monitoring of water flows in a shallow landslide: the Laval infiltration test experiment. (solicited)

XY0451; EGU2008-A-06543; NH4.2-1MO5P-0451
Travelletti, J.; Sailhac, P.; Malet, J.-P.; Allègre, V.; Bogaard, T.A.; Hocine-Debieche, T.; Grandjean, G.; Garambois, S.; Ponton, J.
Geophysical and hydrological monitoring of water flows on an active mudslide in nearly saturated conditions: the Super-Sauze hydrogeophysical experiment

XY0452; EGU2008-A-06630; NH4.2-1MO5P-0452
Perrone, A.; Piscitelli, S.; Lapenna, V.; Loperte, A.; Di Maio, C.; Vassallo, R.
Geotechnical techniques and electrical resistivity tomography for the stability analysis of a slope in lucanian Apennine (southern Italy).

XY0453; EGU2008-A-12184; NH4.2-1MO5P-0453
Dabbicco, G.; Florio, N.G.; Gallo, D.; Wasowski, J.
Results of the surface-based geophysical exploration of the Colletorto landslide, Italy

XY0454; EGU2008-A-02415; NH4.2-1MO5P-0454
Chwatal, W.; Roch, K.H.; Kuschnig, G.; Hausmann, H.
Geophysical exploration of the Wildalpen rockslide in the area of Siebensee, Hochschwab region, Styria

XY0455; EGU2008-A-11719; NH4.2-1MO5P-0455
Acar, MA.; Ozlüdemir, MTO; Haberler-Weber, MHW; Ayan, TA
3D determination of landslide block movements

XY0456; EGU2008-A-03223; NH4.2-1MO5P-0456
Scheikl, M.;
Challenges within Monitoring and Risk-Oriented Analysis of Precipitation- and Hydraulic- Coupled Slope-Collapses

IS32 - NH4.6/GM4.5 Landslides, ground-failures and mass movements induced by earthquakes and volcanic activity (co-organized by NH & GM)

Convener: Del Gaudio, V.
Co-Convener(s): Wasowski, J., Keefer, D., Jibson, R.
Lecture Room 17
Chairperson: WASOWSKI, J.

13:30–13:45; EGU2008-A-08312; IS32 - NH4.6/GM4.5-1MO3O-001
Wartman, J.; Cox, B.; Meneses, J.; Moreno, V.; Olcese, M.; Rodriguez-Marek, A.; Sancio, R.
Landslides triggered by the 15 August 2007 M8.0 Pisco, Peru earthquake

13:45–14:00; EGU2008-A-10847; IS32 - NH4.6/GM4.5-1MO3O-002
Zavala, B.; Valderrama, P.; Fidel Smoll, L.; **Hermanns, R.L.;** Costa, C.
Landslide and Surface Deformation associated to the Earthquake of 7.9 (MW) of August 15th, 2007 in Peru

14:00–14:15; EGU2008-A-06472; IS32 - NH4.6/GM4.5-1MO3O-003
Lee, C. T.; Wang, P. F.
Topographic amplification and landslide distribution

14:15–14:30; EGU2008-A-10032; IS32 - NH4.6/GM4.5-1MO3O-004
Meunier, P.; Hovius, N.; Haines, J.
Constraints on the location of earthquake- and storm-triggered landslides on slopes

14:30–14:45; EGU2008-A-04509; IS32 - NH4.6/GM4.5-1MO3O-005
Del Gaudio, V.; Coccia, S.; Wasowski, J.; Gallipoli, M.R.; Mucciarelli, M.
Directivity of landslide response to seismic shaking: evidence from spectral analysis of microtremors

14:45–15:00; EGU2008-A-08384; IS32 - NH4.6/GM4.5-1MO3O-006
Özeren, M. S.; Çađatay, N.; Pengör, A.M.C; Zitter, T.; Görür, N.; Henry, P.; Gasperini, L.; Géli, L.; Postacioglu, N.; Eriş, K.; MARMARA_LANDSLIDE
Submarine landslide risk in the Sea of Marmara revisited after MARNAUT cruise

15:00 END OF SESSION

IS32 - NH4.6/GM4.5 Landslides, ground-failures and mass movements induced by earthquakes and volcanic activity (co-organized by NH & GM) – Posters

Convener: Del Gaudio, V.
Co-Convener(s): Wasowski, J., Keefer, D., Jibson, R.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: DEL GAUDIO, V.

XY0457; EGU2008-A-11970; IS32 - NH4.6/GM4.5-1MO5P-0457
Hancox, G. T.; Perrin, N. D.
Green Lake Landslide and other giant post-glacial earthquake-induced landslides in Fiordland, New Zealand (solicited)

XY0458; EGU2008-A-06291; IS32 - NH4.6/GM4.5-1MO5P-0458
Daskalaki, E.; Fokaefs, A.; Karastathis, V.; Lobkovsky, L.I.; Mazova, R.; **Papadopoulos, G.A.;**
Coastal and submarine landslides as agents of tsunami generation in the Mediterranean Sea

XY0459; EGU2008-A-00022; IS32 - NH4.6/GM4.5-1MO5P-0459

Harutyunyan, H.; Antonyan, A.

The attempt for assessment and mapping of the ground-failures hazards induced by the historical earthquakes of Armenia

XY0460; EGU2008-A-04561; IS32 - NH4.6/GM4.5-1MO5P-0460

Chen, T.C.; Chen, S.C.

Preliminary study on thirty dammed lakes in range area of Taiwan

XY0461; EGU2008-A-04234; IS32 - NH4.6/GM4.5-1MO5P-0461

Rodríguez-Peces, M.J.; García-Mayordomo, J.

Estimating Newmark displacement on a regional basis using GIS: Application to the Lorca Basin (SE Spain)

XY0462; EGU2008-A-09442; IS32 - NH4.6/GM4.5-1MO5P-0462

Mavrouli, O.

Assessment of earthquake-induced rockfall

XY0463; EGU2008-A-11054; IS32 - NH4.6/GM4.5-1MO5P-0463

Guerricchio, A.; Mancarella, D.; **Simeone, V.**

Liquefaction of deep sand soil in Rosarno (RC) area as a triggering factor of large spreading

XY0464; EGU2008-A-02422; IS32 - NH4.6/GM4.5-1MO5P-0464

Tensay, T.; Wu, W.; Doanth, D.; Muhidinov, M

Seismic stability of landfill slope in Dushanbe, Tajikistan

XY0465; EGU2008-A-09239; IS32 - NH4.6/GM4.5-1MO5P-0465

Lin, M.-L.; Wang, K.-L.; Wang, Y.-T.; Cheng, H.-T.; Lin, J.-H.

The displacement analysis of seismic slope behavior - from shaking table model slope to in-situ case

XY0466; EGU2008-A-03537; IS32 - NH4.6/GM4.5-1MO5P-0466

Stanica, D.; Stanica, M.; Diacopolos, C.

Real-time electromagnetic monitoring system for landslides assessment due to the seismic activity

XY0467; EGU2008-A-08959; IS32 - NH4.6/GM4.5-1MO5P-0467

Meyenfeld, H.; Glade, T.

Sensitivity analysis for the influence of soil properties on slope stability

NH4.15 The role of plants on slope stability and the impacts of climate change and land-use change on landslides (co-listed in BG, CL & SSS)

Convener: Florineth, F.

Co-Convener(s): Wasowski, J., Werner, A., Rauch, H., Dixon, N., Dijkstra, T., Winter, M.

Lecture Room 17

Chairperson: FLORINETH, F.; WINTER, M.

10:30–10:45; EGU2008-A-10296; NH4.15-1MO2O-001

Pohl, P.; Alig, A.; Körner, C.; **Rixen, C**

Higher plant diversity enhances soil stability in alpine ecosystems

10:45–11:00; EGU2008-A-02829; NH4.15-1MO2O-002

Schwarz, M.; Lehmann, P.; Or, D.

Modelling of root reinforcement in steep and vegetated slopes

11:00–11:15; EGU2008-A-11874; NH4.15-1MO2O-003

Katzenbach, R.; Werner, A.

Laboratory and in-situ shear tests to study soil-root interaction

11:15–11:30; EGU2008-A-06806; NH4.15-1MO2O-004

Stangl, RS; Florineth, FF; Loiskandl, WL

Soil bioengineering Contribution of *Alnus* ssp. to Landslide Stabilisation in terms of Biomass Productivity and Evapotranspiration

11:30–11:45; EGU2008-A-05448; NH4.15-1MO2O-005

Guthrie, R.H.; Brown, K.J.

10,000 years of landslides and climate change in coastal western Canada

11:45–12:00; EGU2008-A-07112; NH4.15-1MO2O-006

Malet, J.-P.; Remaître, A.; Maquaire, O.; Durand, Y.; Etchevers, P.; Guyomarc'h, G.; Déqué, M.; van Beek, R.

Effects of climate change on the activity of shallow slides in the Ubaye Valley, South French Alps.

12:00 END OF SESSION

NH4.15 The role of plants on slope stability and the impacts of climate change and land-use change on landslides (co-listed in BG, CL & SSS) – Posters

Convener: Florineth, F.

Co-Convener(s): Wasowski, J., Werner, A., Rauch, H., Dixon, N., Dijkstra, T., Winter, M.

Display Time: Monday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: DIJKSTRA, T.; RAUCH, H.P.

XY0468; EGU2008-A-09308; NH4.15-1MO5P-0468

Katuwal, S.; Vermang, J.; **Cornelis, W.M.;** Gabriels, D.

Effect of root density and vegetable garden compost mulch on erodibility of a loamy soil under simulated rain

XY0469; EGU2008-A-06907; NH4.15-1MO5P-0469

Bischetti, G.B.; Epis, T.; Morlotti, E.

Slope stability change in forested areas after a wildfire

XY0470; EGU2008-A-05640; NH4.15-1MO5P-0470

Dani, A.; Giadrossich, F.; Preti, F.; Schwarz, M.

Hydrological, mechanical and spatial characterisation of root reinforcement in Mediterranean shrub vegetated slopes

XY0471; EGU2008-A-05596; NH4.15-1MO5P-0471

Acharya, M.S.

An approach to dimension the vegetative crib walls

XY0472; EGU2008-A-11089; NH4.15-1MO5P-0472

Acharya, M.S.; Rauch, H.P.

The use of soil bioengineering techniques in roadside slope stabilisation- a practical approach at the landslide of Pokhara–Sarangkot in Nepal

XY0473; EGU2008-A-07731; NH4.15-1MO5P-0473

Sutli, F.J.; **Rauch, H.P.**

Pull-out resistance investigations as a criteria for the selection of plants for soil bioengineering measures in South Brazil

XY0474; EGU2008-A-11840; NH4.15-1MO5P-0474

Tiwald, W.

Restoration of extremely steep ski-slopes in high alpine altitudes

XY0475; EGU2008-A-07661; NH4.15-1MO5P-0475

Anderschitz, M.; Lammeranner, W.; Rauch, H.P.; Stangl, R. Specific addressed issues of soil bioengineering implementation work - a practical approach

XY0476; EGU2008-A-09439; NH4.15-1MO5P-0476
Lammeranner, W.; Meixner, H.; Florineth, F.
Soil bioengineering techniques on heavily compacted soils:
Experiences from a test site

XY0477; EGU2008-A-12056; NH4.15-1MO5P-0477
Dixon, N.; Dijkstra, T.
Climate change and slope instability - networking in the UK

XY0478; EGU2008-A-01920; NH4.15-1MO5P-0478
Winter, M G; Dent, J; Dempsey, P; Shackman, L; Macgregor, F
The Determination of Rainfall Conditions Leading to Debris Flow

XY0479; EGU2008-A-03910; NH4.15-1MO5P-0479
Cepeda, J.
Time-trend analyses of precipitation data using rainfall thresholds for landslide triggering (solicited)

XY0480; EGU2008-A-06925; NH4.15-1MO5P-0480
Petrucci, O.; Polemio, M.
Occurrence of landslide events and the role of climate during the twentieth century (Calabria, Southern Italy)

XY0481; EGU2008-A-09611; NH4.15-1MO5P-0481
Wasowski, J.; Lamanna, C.; Casarano, D.
The influence of land use changes and precipitation pattern on shallow landslide activity in the Rocchetta S. Antonio area (Daunia Apennines, S. Italy)

NH7.1 Snow cover processes and avalanche formation (co-listed in CR & GM)

Convener: Schweizer, J.
Co-Convener(s): McClung, D.
Lecture Room 28
Chairperson: VAN HERWIJNEN, A.

8:30–8:45; EGU2008-A-10440; NH7.1-1MO1O-001
Fierz, C
Measuring and modeling temperatures within the uppermost snowpack layers

8:45–9:00; EGU2008-A-10096; NH7.1-1MO1O-002
Jörg, P.; Adams, M.; Fromm, R.; Sailer, R.; Schaffhauser, A.; Wallensteiner, J.
Laser scanning for mapping snow depth

9:00–9:15; EGU2008-A-01716; NH7.1-1MO1O-003
Pozdnoukhov, A.; Purves, R.S.
Spatially Variable Avalanche Forecasting with Support Vector Machines

9:15–9:30; EGU2008-A-10235; NH7.1-1MO1O-004
Schirmer, M.; Sauter, T.; Schneider, Ch.; Fierz, C.; Schweizer, J.; Lehning, M.
Statistical Assessment of regional Avalanche Danger using SNOWPACK parameters

9:30–9:45; EGU2008-A-00297; NH7.1-1MO1O-005
McClung, D.
Dimensions of dry snow slab avalanches

9:45–10:00; EGU2008-A-10994; NH7.1-1MO1O-006
Schweizer, J.; Jamieson, J.B.
Dry-snow slab avalanche release revisited: shear vs. collapse?

10:00 END OF SESSION

NH7.1 Snow cover processes and avalanche formation (co-listed in CR & GM) – Posters

Convener: Schweizer, J.
Co-Convener(s): McClung, D.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: MCCLUNG, D.

XY0482; EGU2008-A-08783; NH7.1-1MO3P-0482
Loewe, H.; Egli, L.; Bartlett, S.; Guala, M.; Manes, C.
On the evolution of the snow surface during snowfall

XY0483; EGU2008-A-07424; NH7.1-1MO3P-0483
Schaffhauser, A.; Fromm, R.; Jörg, P.; Sailer, R.
Basic findings of the GALAHAD project

XY0484; EGU2008-A-08422; NH7.1-1MO3P-0484
Fromm, R.; Jörg, P.; Sailer, R.; Schaffhauser, A.
Snow slope stability index derived from terrestrial laser scanning data

XY0485; EGU2008-A-11141; NH7.1-1MO3P-0485
Prokop, A.
Applying iterative closest point algorithms and full waveform data analysis to improve the accuracy of terrestrial laser scanning measurements for snow depth observation

XY0486; EGU2008-A-11209; NH7.1-1MO3P-0486
Mott, R.; Prokop, A.; Lehning, M.
Modelling and measuring snow distribution for potential avalanche release zones

XY0487; EGU2008-A-00004; NH7.1-1MO3P-0487
Wahl, L.
Characteristics and environmental context of the late snow patches in the high Vosges mountains (eastern France)

XY0488; EGU2008-A-03518; NH7.1-1MO3P-0488
Rainer, R.; Rammer, R.; Wiatr, W
Snow loads on defensive snow net systems

XY0489; EGU2008-A-03669; NH7.1-1MO3P-0489
Rousselot, M.; Durand, Y.; Daniel, L.; Giraud, G.; Navarre, J.P.
Estimation of meteorological parameters in the French Alps at different spatial scales and applications to mountainous risk management.

XY0490; EGU2008-A-02784; NH7.1-1MO3P-0490
Yves Durand, YD; IRASMOS-GAME/CNRM-CEN
Sensitivity study on the avalanche hazard estimation by numerical methods during the “winter 99” events in France in the framework of the EU-FP6 IRASMOS project.

XY0491; EGU2008-A-09847; NH7.1-1MO3P-0491
Bellaire, S.; Schweizer, J.; Schneebeli, M.; Pielmeier, C.
Deriving snow stability from micropenetration resistance

XY0492; EGU2008-A-09354; NH7.1-1MO3P-0492
van Herwijnen, A.; Heierli, J; Schweizer, J
Field studies of collapse propagation in weak snow layers

XY0493; EGU2008-A-09762; NH7.1-1MO3P-0493
van Herwijnen, A.; Schweizer, J.
Continuous monitoring of acoustic emissions in an avalanche start zone

NH7.2 Snow avalanche dynamics, hazard mapping and risk management (co-listed in CR)

Convener: Naaim, M.
Co-Convener(s): Naaim-Bouvet, F.
Lecture Room 28
Chairperson: ISSLER D.

10:30–10:45; EGU2008-A-02044; NH7.2-1MO2O-001

Bocchiola, D.; Bianchi Janetti, E.; Medagliani, M.
A regional approach for the simulation of extreme snow avalanches: a case study in the Italian Alps

10:45–11:00; EGU2008-A-02683; NH7.2-1MO2O-002

Eckert, N.; Naaim, M.; Parent, E.
Integrating a deep-averaged fluid propagation model in a hierarchical Bayesian framework for avalanche predetermination: Monte Carlo calibration, predictive simulations and pressure computations

11:00–11:15; EGU2008-A-08730; NH7.2-1MO2O-003

Issler, D.; Gauer, P.; Kristensen, K.; Lied, K.; Sandersen, F.
Inferences on snow avalanche flow regimes from observations and

11:15–11:30; EGU2008-A-08425; NH7.2-1MO2O-004

Sailer, R.; Fellin, W.; Fromm, R.; Jörg, P.; Rammer, L.; Sampl, P.; Schaffhauser, A.
Optimization of avalanche simulation model parameters

11:30–11:45; EGU2008-A-08850; NH7.2-1MO2O-005

Chanut, B.; Faug, T.; Naaim, M.
Numerical simulations of granular avalanches overflowing a dam: towards an understanding of the impact pressure signal

11:45–12:00; EGU2008-A-08421; NH7.2-1MO2O-006

Vilajosana, I.; Suriñach, E.; Khazaradze, G.; Kleemayr, K.; Rammer, L.
Gazex explosion wavefield study at Obertauern: a measure to avoid unexpected snow avalanche releases

12:00 END OF SESSION

NH7.2 Snow avalanche dynamics, hazard mapping and risk management (co-listed in CR) – Posters

Convener: Naaim, M.
Co-Convener(s): Naaim-Bouvet, F.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: NAAIM F.

XY0494; EGU2008-A-09052; NH7.2-1MO3P-0494

Naaim-Bouvet, F.; Bellot, H.
Drifting snow measurements over an instrumented

XY0495; EGU2008-A-08187; NH7.2-1MO3P-0495

Barbolini, M.; Ferro, F.; Pagliardi, M.
A new method for avalanche hazard mapping over undocumented areas

XY0496; EGU2008-A-03248; NH7.2-1MO3P-0496

Scheikl, M.; Prasicek, G.; Laimer, J.
3D-Snow-Cover Monitoring using a Long Range terrestrial Laser Scanner

XY0497; EGU2008-A-08009; NH7.2-1MO3P-0497

Kogelnig, A.; Bacher, M.; Prokop, A.
Monitoring of avalanche generated infrasound

XY0498; EGU2008-A-08940; NH7.2-1MO3P-0498

Vilajosana, I.; Alasonati, P. D.
Seismic Detection of snow Avalanches using Wavelet-Based Hidden Markov Models

XY0499; EGU2008-A-09007; NH7.2-1MO3P-0499

Vilajosana, I.; Gauer, P.
Snow avalanche vortex shedding induced vibrations

XY0500; EGU2008-A-08095; NH7.2-1MO3P-0500

Bacher, M.; Naaim, M.; Faug, T.; Bellot, H.; Ousset, F.
Snow experiments with a large-scale coaxial rheometer: physical and numerical modelling

XY0501; EGU2008-A-09232; NH7.2-1MO3P-0501

CACCAMO, P.; NAAIM-BOUVET, F.; NAAIM, M.
Modification of powder avalanches flows due to a dam: physical simulation in a water tank for a full-scale case study

XY0502; EGU2008-A-06255; NH7.2-1MO3P-0502

Moro, F.; Faug, T.; Bellot, H.; Ousset, F.
Laboratory experiments on the characterization of snow avalanche deposits of a bi-disperse granular material

XY0503; EGU2008-A-01127; NH7.2-1MO3P-0503

Teufelsbauer, H.;
Modeling of dry granular avalanches by means of the Discrete Element Method

XY0504; EGU2008-A-03639; NH7.2-1MO3P-0504

Pudassaini, S. P.; Kroener, C.; Miller, S. A.
Shock waves in rapid flows of dense granular materials: Theoretical predictions and experimental results

XY0505; EGU2008-A-07633; NH7.2-1MO3P-0505

Bertrand, D.; Naaim, M.
Physical vulnerability assessment of masonry structures affected by snow avalanches

NH8.1 Natural and anthropogenic hazards in karst areas (co-listed in GM)

Convener: Parise, M.
Co-Convener(s): Gutierrez, F., De Waele, J.
Lecture Room 28
Chairperson: PARISE M.

13:30–13:45; EGU2008-A-02229; NH8.1-1MO3O-001

Kaufmann, G.; Romanov, D.
Leakage of dam sites in karst terrains

13:45–14:00; EGU2008-A-01775; NH8.1-1MO3O-002

Bonacci, O.; Gottstein, S.; Roje-Bonacci, T.; Vuletia, J.
Effects of wildfire on hydrology, erosion processes and ecology on karst environment: case of the island of Hvar (Croatia)

14:00–14:15; EGU2008-A-10172; NH8.1-1MO3O-003

Hanin, G.; Massei, N.; Laignel, B.; Hauchard, E.; Ladhui, V.
Behavior of karstic system of the Radicatel springs (Haute-Normandie, France) under climatic and structural constraints

14:15–14:30; EGU2008-A-01126; NH8.1-1MO3O-004

Supper, R.; Motschka, K.; Bauer-Gottwein, P.; Ahl, A.; Römer, A.; Neumann-Gondwe, B.; Merediz Alonso, G.; Kinzelbach, W.
Spatial Mapping of Karstic Cave Structures by Means of Airborne Electromagnetics: an Emerging Technology to Support Protection of Endangered Karst Systems

14:30–14:45; EGU2008-A-11989; NH8.1-1MO3O-005

Marin, A.I.; **Andreo, B.;** Vias, J.M.; Mudarra, M.
Resource vulnerability mapping in carbonate aquifers by COP method. Application to Alta Cadena site, Southern Spain

14:45–15:00; EGU2008-A-11307; NH8.1-1MO3O-006
Groves, C.; Chung, A.; Jiang, Y.; Yuan, D.
Rock desertification, karst water resources, and poverty on the East Mountain Plateau, Yunnan China

15:00 COFFEE BREAK

Chairperson: DE WAELE J.

15:30–15:45; EGU2008-A-06939; NH8.1-1MO4O-001
Fournier, F.; Massei, M.; Dupont, D.
Impact of sinkholes management on the turbidity of drinking water

15:45–16:00; EGU2008-A-02276; NH8.1-1MO4O-002
Memesh, A.; Dini, S.; **Gutiérrez, F.;** Wallace, C.A.
Evidence of large-scale subsidence caused by interstratal karstification of evaporites in the Interior Homocline of Central Saudi Arabia

16:00–16:15; EGU2008-A-02426; NH8.1-1MO4O-003
Vigna, B.; Fiorucci, A.; Forti, P.; **De Waele, J.**
Hypogene gypsum karst and sinkhole formation at Moncalvo (Asti, Italy)

16:15–16:30; EGU2008-A-05402; NH8.1-1MO4O-004
Soriano, M.A.; Luz³n, A.; P³rez, A.; Pocov³n, A.; Sim³n, J.L.
Evolution patterns of synsedimentary Pleistocene dolines: clues for present doline evolution?

16:30–16:45; EGU2008-A-07453; NH8.1-1MO4O-005
Pueyo Anchuela, Ó.; Casas Sainz, A.; Pocoví Juan, A.; Soriano Jiménez, A.; Ipas Lloréns, J.F.
Application of GPR and microgravimetry surveys to karstic collapse studies in urban settings. Case study of Alcala de Ebro (Zaragoza)

16:45–17:00; EGU2008-A-01895; NH8.1-1MO4O-006
Murphy, P.; Pringle, J K; Bottomley, M; Strange, K; Hunter, G; Halliwell, R A; Helm, J; Tatum, D; Haas, G; Westerman, A
Contextual synthesis of multi-disciplinary data from Gaping Gill, U.K.

17:00 END OF SESSION

NH8.1 Natural and anthropogenic hazards in karst areas (co-listed in GM) – Posters

Convener: Parise, M.
Co-Convener(s): Gutierrez, F., De Waele, J.
Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: GUTIERREZ F.

XY0506; EGU2008-A-05206; NH8.1-1MO5P-0506
Akawwi, E.; Al-Zoubi, A.; Al-Rzouq, R.; Abueladas, A.
Investigate the active faults and sinkholes along the eastern shores of the Dead Sea by using Electromagnetic radiation (EMR).

XY0507; EGU2008-A-06209; NH8.1-1MO5P-0507
Ezersky, M.; Legchenko, A.; Al-Zoubi, A.; Camerlynk, C.
The Dead Sea sinkhole hazards – new findings based on the multidisciplinary geophysical study

XY0508; EGU2008-A-00966; NH8.1-1MO5P-0508
e.ardestani, vahid; ebrahimzadeh, simin
Sink-Hole modeling using micro-gravity

XY0509; EGU2008-A-08389; NH8.1-1MO5P-0509
Gharebaghi, A.; Hakim Elahi, S.
Sinkhole area recognition with gravimeters

XY0510; EGU2008-A-00145; NH8.1-1MO5P-0510
Parise, M.; Iovine, G.; Trocino, A.
Breakdown mechanisms in gypsum caves of southern Italy, and the related effects at the surface

XY0511; EGU2008-A-03364; NH8.1-1MO5P-0511
Lavrova, N.V.
The peculiarities of estimation of risk of formation collapses in Perm Prikamje

XY0512; EGU2008-A-07510; NH8.1-1MO5P-0512
Pueyo Anchuela, Ó.; Casas Sainz, A.; Pocoví Juan, A.
Application of GPR-grid maps to sinkhole areas. A new methodological approach.

XY0513; EGU2008-A-08657; NH8.1-1MO5P-0513
Filahi, M.; Andrieux, P.; Tabbagh, A.; Rejiba, F.; Najine, A.; Jaffal, M.; Casas, A.; Angelova, D.
Detection and mapping of the underground cavities by Geophysical methods ground penetrating radar seismic waves and electrical imagery –case of Béni-Mellal city (Morocco)

XY0514; EGU2008-A-06141; NH8.1-1MO5P-0514
Bruno, E.; Cotecchia, F.; Iacobellis, V.; Palumbo, N.; Parise, M.
Assessment of sinkhole susceptibility in the Salento Peninsula (Southern Italy) by means of a multi-criteria decision analysis method

XY0515; EGU2008-A-07126; NH8.1-1MO5P-0515
SANTO, A.; Del Prete, S.; Di Crescenzo, G.; Santangelo, N.
Karst sinkholes in Campania (southern Italy): geo-structural analysis, predisposing factors and genetic hypothesis

XY0516; EGU2008-A-02560; NH8.1-1MO5P-0516
Liguori Vincenzo, L.V.; Manno Giorgio, M.G.
Natural and anthropogenic hazard: mine sinkholes in Sicily (Italy)

XY0517; EGU2008-A-03065; NH8.1-1MO5P-0517
Bou Kheir, R.
Coupling remote sensing and GIS interpolation modelling for mapping soil-water erosion processes in diverse karstic terrains of Lebanon

XY0518; EGU2008-A-02040; NH8.1-1MO5P-0518
Trocino, A.; Albano, A.; Lampugnani, F.; Parise, M.; Pepochi, Y.; Rizzi, A.; Scaramuzzi, W.
Water level drop in Ohrid and Prespa Lakes (Balkan Peninsula): a contribution to knowledge of the karst hydrogeology from caving explorations

XY0519; EGU2008-A-10077; NH8.1-1MO5P-0519
Andriani, G.F.; Walsh, N.
Hazard and environmental impact of underground quarrying in karst areas

XY0520; EGU2008-A-11871; NH8.1-1MO5P-0520
Zielinski, A.
Hazards in Karst in the Staszów area in Poland

XY0521; EGU2008-A-01339; NH8.1-1MO5P-0521
Bauer, B.; Kellerer Pirklbauer, K; Lieb, L.
Human impact on karst environments: A case study from central Styria, Austria

XY0522; EGU2008-A-03342; NH8.1-1MO5P-0522
Kadebskaya, O.I.
GIS as effective tool of researching of karst areas in Perm region (Russia).

XY0523; EGU2008-A-11913; NH8.1-1MO5P-0523

Maximovich, N.G.

Oil pollution in karst areas

XY0524; EGU2008-A-01193; NH8.1-1MO5P-0524

Travassos, L.E.P; Sampaio, J.L.D; Guimarães, R.L.; Kohler, H.C.

Solid waste disposal in the Environmental Protected Area of the Lagoa Santa Karst, Minas Gerais State, Brazil

XY0525; EGU2008-A-01539; NH8.1-1MO5P-0525

Farfan Gonzalez, H.; Dias Guanche, C.; Parise, M.; Aldana Vilas, C.; Valdez Suarez, M.

Groundwater pollution scenarios in the watershed of the Arroyo Santo Tomas (Cuba)

XY0526; EGU2008-A-03425; NH8.1-1MO5P-0526

Ridush, B.T.; Kadebskaya, O.I.

Paleogeographic significance of the Middle Ural cave deposits records

XY0527; EGU2008-A-10310; NH8.1-1MO5P-0527

CASTORANI, A.; DI SANTO, A.R.;

IACOBELLIS, V.

Flood prediction in endoreic basins

XY0528; EGU2008-A-11164; NH8.1-1MO5P-0528

Mancarella, D.; Scialpi, T.; Simeone, V.

Permeability characters of apulian red soils and they influence on run-off in apulian karst environment

XY0529; EGU2008-A-04908; NH8.1-1MO5P-0529

ELOSTA, FATHI

The Simulation Geological for water Shortage from Jifara Plain Basin Northwest of Libya

XY0530; EGU2008-A-01410; NH8.1-1MO5P-0530

Chama, A.

Biospeleology , “temporal isolation ” and professional environment

IS33 - NH8.3/BG2.17/SSS31 Heavy-Metal Pollution in the Geoenvironment: Understanding for Remediation Action (co-organized by NH, BG & SSS) – Posters

Convener: Galvez, R.

Co-Convener(s): Dermatas, D., Holden, J., Malamud, B.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: GALVEZ, R., DERMATAS, D.

I. Heavy Metal Bioavailability

XY0531; EGU2008-A-06106; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0531

Hanauer, T.; Sayed, M.; Kalandadze, B.; Felix-Henningsen, P.

Characterization of the plant availability of heavy metals in weakly alkaline soils, heavily polluted with Cu, Zn and Cd in SE Georgia

XY0532; EGU2008-A-00769; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0532

Soriano-Disla, JM; Gómez, I; Guerrero, C; Navarro-Pedreño, J; Mataix-Beneyto, J; Jordan, MM

Edaphic factors related to heavy metals and nutrients behaviour following a single sewage sludge application

XY0533; EGU2008-A-02726; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0533

Chishala, B.H.; Malamud, B.D.;

Imasiku, M.
The Uptake of Heavy Metals in Chinese Cabbage Using
Zambian Soil Irrigated With Contaminated and 'Fresh'
Water

XY0534; EGU2008-A-01761; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0534

Li, L.; Hall, K.; Yuan, Y.; Mattu, G; McCallum, D.

Bioavailability of Trace Metals in Sediments in the Highly Urbanized

II. Heavy Metal Risk Assessment

XY0535; EGU2008-A-01598; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0535

Ho, T.; Li, L.

Environmental impact assessment of trace metals in agricultural soil in the rapidly developing area of Hung-yen, Vietnam

XY0536; EGU2008-A-06898; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0536

Saghatelian, A.; Arevshatyan, S.; Sahakyan, L.; Asmaryan, H.

Environmental pollution and the issue of safety of children's establishments

XY0537; EGU2008-A-00793; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0537

Holden, JA

Risks and responsibilities concerning heavy-metal contamination. The case of potentially hazardous food in Chunga, Lusaka, Zambia.

XY0538; EGU2008-A-10953; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0538

Holden, J.A.; Malamud, B.D.;

Harpp, K.S.
Bi-monthly sampling of heavy-metals in foodcrops eaten by two Zambian families during 2006

III. Heavy Metal Measurement

XY0539; EGU2008-A-04452; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0539

Malamud, B.D.; Kapungwe, E.M.; Volk, J.; Holden, J.A.;

Harpp, K.S.; Chishala, B.H.
Spatial sampling of heavy metals along the Chunga River, Lusaka, Zambia.

XY0540; EGU2008-A-07437; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0540

Rapti-Caputo, D.; Martucci, A

Integrated analysis of hydrogeochemical and diffractometric data: a tool for the evaluation of the pollution risk assessment from solid waste landfills

XY0541; EGU2008-A-07468; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0541

Rapti-Caputo, D.

Hydrogeological data and management of the solid waste landfills: a tool to evaluate the environmental compatibility

XY0542; EGU2008-A-07495; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0542

Rapti-Caputo, D.; Palucci, A.; Fiorani, L.

Groundwater geochemical composition and fluorescence analysis: a tool for evaluating the desertification processes

XY0543; EGU2008-A-11378; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0543

Negoita, T. Gh.; Ropota, M.; Capota, P.; Cotta, M.

Trace metal ions in the snow, ice and freshwater of East Antarctica

XY0544; EGU2008-A-00334; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0544

Skrbic, B.

Distribution of Toxic Elements in Soils Worldwide: A Multivariate Statistical Approach

XY0545; EGU2008-A-00433; IS33 -

NH8.3/BG2.17/SSS31-1MO2P-0545

Golovatskaya, E.A.

Distribution of total mercury in peat soils profiles in Western Siberia

XY0546; EGU2008-A-10965; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0546
Dubé, J. S.; Boudreault, J. P.; Hardy, E.
Representative sampling of soil for environmental analysis:
application of Gy's theory of sampling to the analysis of
heavy metals in soil samples

XY0547; EGU2008-A-00443; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0547
Legros, S.; Doelsch, E.; Rose, J.; Masion, A.; Proux, O.;
Hazeman, J.L.; Saint-Macary, H.; Bottero, J.Y.
Deciphering Zn speciation in pig slurry by using X-Ray
Spectroscopy

XY0548; EGU2008-A-06614; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0548
MISHRA, S.; Bhalke, S.; Pandit, G. G.; Puranik, V. D.
Sequential Extraction of Heavy Metals in Sediment and
Sulphate rich Tailings

XY0549; EGU2008-A-12496; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0549
Kostarelos, K.; Ghandehari, M.
A Sensor Utilizing Near IR Spectroscopy for the Geo-
Environment

XY0550; EGU2008-A-07037; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0550
Kanevski, M.; Pozdnoukhov, A.; Timonin, V.; Maignan, M.
Soil pollution characterisation using Support Vector Ma-
chines: from monitoring network design to multiscale
mapping

XY0551; EGU2008-A-03959; IS33 -
NH8.3/BG2.17/SSS31-1MO2P-0551
Wissing, J.; Hüffmeyer, N.; Klasmeyer, J.
Geo-referenced exposure assessment of metals in surface
water by model simulations

NH9.4 Natural hazard and risk protection strategies: Early Warning Systems and structural measures (co- listed in G1)

Convener: Huebl, J.
Co-Convener(s): Rudolf-Miklau, F., Glade, T., Nadim, F.
Lecture Room 17
Chairperson: RUDOLF-MIKLAU, F.

17:30–17:45; EGU2008-A-01979; NH9.4-1MO5O-001
Staffler, H.; Pollinger, R.; **Zischg, A.;** Mani, P.
Sensitivity of alpine torrent catchments against climate
changes

17:45–18:00; EGU2008-A-08957; NH9.4-1MO5O-002
Bernardi, A.R.; Berti, M.; **Borgatti, L.;** Corsini, A.; Fanti, R.
Structural and non-structural mitigation of landslide risk in
road connections: the integration of monitoring and early
warning devices in the Scascoli Gorges (northern Apennines,
Italy)

18:00–18:15; EGU2008-A-12095; NH9.4-1MO5O-003
Medina-Cetina, Z.; Nadim, F.; Feinberg, J.
Probabilistic threshold definition of early warning systems
to natural hazards

18:15–18:30; EGU2008-A-02993; NH9.4-1MO5O-004
Huggel, C.; Khabarov, N.; Obersteiner, M.; Ramirez, J.M.;
Künzler, M.
Integrated numerical modeling of a landslide early warning
system

18:30–18:45; EGU2008-A-09382; NH9.4-1MO5O-005
Bacher, M.; Meinhard, D.; Huebl, H.; Kieslinger, M.;
Dobnig, M.; Kogelnig, A.
Real time warning system for natural hazards

18:45–19:00; EGU2008-A-06549; NH9.4-1MO5O-006
Serrhini, K.; Fuchs, S.; Spachinger, K.; Dörner, W.
Evaluation of risk perception using experimental graphic
semiology

19:00 END OF SESSION

Tuesday

IS29 - NH1.1/AS4.08 Precipitation Science (co-organized by NH & AS)

Convener: Smith, E.
Co-Convener(s): Mugnai, A., Nakamura, K., Tripoli, G.
Lecture Room 25
Chairperson: SMITH, E.A.

Remote Sensing of Precipitation, Cloudiness, and Water
Cycle

8:30–8:45; EGU2008-A-04419; IS29 - NH1.1/AS4.08-
1TU1O-002
Lovejoy, S.; Schertzer, D.; Allaire, V.; Pinel, J.
The remarkable wide range space-time scaling of TRMM
reflectivities and radiances: implications for satellite rain
(solicited)

8:45–9:00; EGU2008-A-12147; IS29 - NH1.1/AS4.08-
1TU1O-003
Christian, H.
Lightning-based Estimates of Ice-phase Precipitation Rates
(solicited)

9:00–9:15; EGU2008-A-12214; IS29 - NH1.1/AS4.08-
1TU1O-004
L'Ecuyer, T.; Stevens, G.; Haynes, J.
A New Perspective on the Significance of Light Precipitation
from CloudSat (solicited)

9:15–9:30; EGU2008-A-10544; IS29 - NH1.1/AS4.08-
1TU1O-005
Uijlenhoet, R.; Leijnse, H.; Stricker, JNM; Cohard, J-M;
Gosset, M.
Path-averaged rainfall estimation using optical extinction:
potential of large-aperture scintillometers (solicited)

9:30–9:45; EGU2008-A-03277; IS29 - NH1.1/AS4.08-
1TU1O-006
Kutzuza, B.
Microwave emission polarization of a precipitating atmo-
sphere with respect to remote sensing of precipitation from
space by means of microwave radiometry (solicited)

9:45–10:00; EGU2008-A-05629; IS29 - NH1.1/AS4.08-
1TU1O-007
Alpert, P.; Zinevich, A.; Rayitsfeld, A.; David, N.;
Messer, H.
Recent advances in measuring rainfall by commercial
microwave communication networks (solicited)

10:00 COFFEE BREAK

Chairperson: NAKAMURA, K.

Precipitation and Water Cycle Processes in Climate System

10:30–10:45; EGU2008-A-04044; IS29 - NH1.1/AS4.08-
1TU2O-002
Ruane, A.C.; Roads, J.O.
Dominant balances and exchanges of the atmospheric water
cycle (solicited)

10:45–11:00; EGU2008-A-05128; IS29 - NH1.1/AS4.08-1TU2O-003
Lawford, R.; **van Oevelen, P.**; Stewart, R.
GEWEX Precipitation Activities within the Context of Extremes (solicited)

11:00–11:15; EGU2008-A-06564; IS29 - NH1.1/AS4.08-1TU2O-004
Koistinen, J.; Kuitunen, T.; Kotro, J.; Hohti, H.; Pulkkinen, S.
Derivation of extreme event mesoscale area-intensity return periods of rainfall based on a large sample of radar data (solicited)

11:15–11:30; EGU2008-A-10945; IS29 - NH1.1/AS4.08-1TU2O-005
Chen, T.-C.
Annual variation of global precipitation (solicited)

11:30–11:45; EGU2008-A-11486; IS29 - NH1.1/AS4.08-1TU2O-006
Schertzer, D.; Macor, J.; Tchiguirinskaia, I.; Lovejoy, S.
Multifractal predictability and forecasts of precipitation (solicited)

11:45–12:00; EGU2008-A-12135; IS29 - NH1.1/AS4.08-1TU2O-007
Carbone, R.; Levizzani, V.; Keenan, T.; Laing, A.; Wang, C.
A comparative study of warm season precipitation occurrence over Africa, Australia, East Asia, Europe and the United States (solicited)

12:00 LUNCH BREAK

Chairperson: MUGNAI, A.

Physical Properties and Processes Concerning Precipitation

13:30–13:45; EGU2008-A-02550; IS29 - NH1.1/AS4.08-1TU3O-002
Betz, H. D.
Recognition of Severe Weather by means of VLF/LF Lightning Detection (solicited)

13:45–14:00; EGU2008-A-09044; IS29 - NH1.1/AS4.08-1TU3O-003
Takayabu, Y. N.; Shige, S.; Yokoi, S.
Three-dimensional distributions of tropical and subtropical latent heating obtained from the SLH algorithm (solicited)

14:00–14:15; EGU2008-A-02625; IS29 - NH1.1/AS4.08-1TU3O-004
Groisman, P.; Bogdanova, E.; Bulygina, O.; Razuvaev, V.; Ilyin, B.; Akhmediyeva, Zh
Precipitation measurements during blizzards (solicited)

14:15–14:30; EGU2008-A-09347; IS29 - NH1.1/AS4.08-1TU3O-005
Lin, P.-L.; Chen Wang, T.-C.; Liou, Y.-C.
Polarimetric Radar Rainfall Estimate and Precipitating Cloud Microphysics Study in Taiwan (solicited)

14:30–14:45; EGU2008-A-09619; IS29 - NH1.1/AS4.08-1TU3O-006
Simmer, C.; Battaglia, A.; L'Ecuyer, T.; Haynes, J.
Flagging profiles burdened by multiple-scattering in the CloudSat rain product over ocean (solicited)

14:45–15:00; EGU2008-A-12228; IS29 - NH1.1/AS4.08-1TU3O-007
Hallett, J.
High resolution measurement of precipitation for climate characterization (solicited)

15:00 COFFEE BREAK

Chairperson: TRIPOLI, G.J.

Modeling Issues Concerning Precipitation and Water Cycle

15:30–15:45; EGU2008-A-10057; IS29 - NH1.1/AS4.08-1TU4O-002
Moncrieff, M.
Organized precipitating convection in a global context (solicited)

15:45–16:00; EGU2008-A-02732; IS29 - NH1.1/AS4.08-1TU4O-003
Bellerby, T.; Hsu, K.; Sorooshian, S
LMODEL: A Lagrangian cloud development model for satellite precipitation estimation. (solicited)

16:00–16:15; EGU2008-A-12142; IS29 - NH1.1/AS4.08-1TU4O-004
Lionello, P.
Analysing the links between the present trends of precipitation and cyclone activity (solicited)

16:15–16:30; EGU2008-A-12134; IS29 - NH1.1/AS4.08-1TU4O-005
Dai, A.
Temperature and Pressure Dependence of the Rain-Snow Phase Transition over Land and Ocean (solicited)

16:30–16:45; EGU2008-A-12138; IS29 - NH1.1/AS4.08-1TU4O-006
Woojick, R.; **Entekabi, D.**; Konings, A.; McLaughlin, D.
Stochastic generation of conditional precipitation replicates for ensemble forecasting and data assimilation (solicited)

16:45–17:00; EGU2008-A-12224; IS29 - NH1.1/AS4.08-1TU4O-007
Peters, O.; Neelin, J.
Critical phenomena in tropical precipitation (solicited)

17:00 COFFEE BREAK

Chairperson: SMITH, E.A.

Regional Issues Concerning Precipitation and Hydrometeorology

17:30–17:45; EGU2008-A-06570; IS29 - NH1.1/AS4.08-1TU5O-002
Liu, W.T.; Xie, X.
Rain high in atmosphere over midlatitude ocean front (solicited)

17:45–18:00; EGU2008-A-09334; IS29 - NH1.1/AS4.08-1TU5O-003
Ralph, F.M.; Neiman, P.J.; Wick, G.A.; White J.-W. Bao, A.B.; Lundquist, J.D.; Dettinger, M.D.; Cayan, D.R.; Kuo, Y.-H.; Gutman, S.; Taylor, G.H.
Meteorological characteristics and hydrometeorological impacts of Atmospheric Rivers affecting the west coast of North America (solicited)

18:00–18:15; EGU2008-A-12144; IS29 - NH1.1/AS4.08-1TU5O-004
Llasat, C.; Barnolas, M.; Rigo, T.; Marcuello, C.
A synthetic approach to heavy rainfall events in Spain from radar and raingauge data (solicited)

18:15–18:30; EGU2008-A-12143; IS29 - NH1.1/AS4.08-1TU5O-005
Tapiador, F.
Urban Sprawl Effects on Precipitation Extremes. A Case Study (solicited)

18:30–18:45; EGU2008-A-12145; IS29 - NH1.1/AS4.08-1TU5O-006
Rudolf, B.

Hydrometeorological services for water management and flood protection (solicited)

18:45–19:00; EGU2008-A-05692; IS29 - NH1.1/AS4.08-1TU5O-007

Kanae, S.; Oki, T.; Seto, S.; Yoshimura, K.

Today's and Yesterday's Japan: A system of flood risk estimation over Japan with precipitation data of weather forecast and satellite products (solicited)

19:00 END OF SESSION

NH2.2 Flood risk and uncertainty (co-listed in GM & HS)

Convener: Aronica, G.

Co-Convener(s): Apel, H., Bates, P.

Lecture Room 28

Chairperson: ARONICA, G.

8:30–8:45; EGU2008-A-00241; NH2.2-1TU1O-001

Faulkner, H.; Parker, D.; Green, C.; Beven, K.

Developing a translational discourse to communicate uncertainty in flood risk

8:45–9:00; EGU2008-A-01236; NH2.2-1TU1O-002

Di Baldassarre, G.; Castellarin, A.; Montanari, A.; Brath, A.

Flood risk management: 2D inundation modelling for evaluating resilience strategies

9:00–9:15; EGU2008-A-02299; NH2.2-1TU1O-003

Lindquist, E.

Interdisciplinary study of urban flooding: a focusing event perspective

9:15–9:30; EGU2008-A-02315; NH2.2-1TU1O-004

McMillan, H. K.; Brasington, J

End-to-end flood risk assessment: A coupled model cascade with uncertainty estimation

9:30–9:45; EGU2008-A-03195; NH2.2-1TU1O-005

Steinweg, C.M.; Lansink, J.; van Reedt Dortland, M.W.J.; Hoekstra, A.Y.; Booij, M.J.; de Kok, J.L.

Compartmentalization: reducing risk and overcoming uncertainties

9:45–10:00; EGU2008-A-03824; NH2.2-1TU1O-006

Büttner, O.; Schulz, M.; Matthies, M.; Böhme, M.; Rode, M.

Uncertainty analysis of pollutant dispersal during extreme floods

10:00 COFFEE BREAK

Chairperson: APEL, H.

10:30–10:45; EGU2008-A-06659; NH2.2-1TU2O-001

Beven, K J; Young, P C; Leedal, D T; Romanowicz, R
Computationally efficient flood water level prediction (with uncertainty)

10:45–11:00; EGU2008-A-07964; NH2.2-1TU2O-002

Stijnen, J.W.; Maaskant, B.; Silva, W.; Slootjes, N.

Towards a different safety standard in the Netherlands? Uncertainty analysis in a flood-risk approach

11:00–11:15; EGU2008-A-10297; NH2.2-1TU2O-003

Aronica, G.T.; Fabio, P.; Candela, A.; Santoro, M.

Estimation of flood inundation probabilities using hydrodynamic indexes with uncertainty analysis

11:15–11:30; EGU2008-A-11053; NH2.2-1TU2O-004

Freer, J.E.; Cloke, H; He, Y; McGregor, G; Pappenberger, F; Wetterhall, F; Wilson, M

Assessing uncertainties in climate impact modelling: flood inundation hazard in the Upper Severn catchment, UK

11:30–11:45; EGU2008-A-11272; NH2.2-1TU2O-005

Montanari, M.; Hostache, R.; Matgen, P.; Pfister, L.

Reducing uncertainty in coupled hydrologic-hydraulic modelling using remote sensing derived flood area information

11:45–12:00; EGU2008-A-11396; NH2.2-1TU2O-006

Kreibich, H.; Seifert, I.; Merz, B.; Thieken, A.

Improvements for flood damage assessments in companies

12:00 END OF SESSION

NH2.2 Flood risk and uncertainty (co-listed in GM & HS) – Posters

Convener: Aronica, G.

Co-Convener(s): Apel, H., Bates, P.

Display Time: Tuesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: BATES, P.

XY0337; EGU2008-A-00909; NH2.2-1TU5P-0337

Viviroli, D.; Weingartner, R.; Gurtz, J.

Flood estimation in ungauged Swiss catchments using process-based continuous modelling

XY0338; EGU2008-A-01321; NH2.2-1TU5P-0338

Kuchment, L.S.; Gelfan, A.N.

Estimating extreme floods of low probabilities by a physically-based model of snowmelt runoff formation combined with a stochastic weather generator

XY0339; EGU2008-A-01373; NH2.2-1TU5P-0339

Drescher, A.; Glaser, R.; Pfeiffer, C.; Vencatesan, J.; Glaser, S.; Lechner, M.; Schliermann-Kraus, E.; Dostal, P.

Risk assessment of extreme precipitation in the coastal areas of Chennai as an element of catastrophe prevention (cancelled)

XY0340; EGU2008-A-02887; NH2.2-1TU5P-0340

Abghari, H; **van de Giesen, N.C.;** Mahdavi, M; Fakheri-fard, A; Nouri, M

Hydraulic modeling and GIS analysis for flood-hazard risk management for the Jajrood River, Iran

XY0341; EGU2008-A-03068; NH2.2-1TU5P-0341

Buchwald, I.; Ebner von Eschenbach, A.-D.; Haberlandt, U.; Belli, A.

Continuous Rainfall Runoff Modelling using different synthetic Precipitation Data for Derived Flood Frequency Analysis

XY0342; EGU2008-A-04206; NH2.2-1TU5P-0342

Sordo, A.; Jiménez, A.; Garrote, L.; Martín-Carrasco, F.

Accounting for reservoir management strategies in flood risk assessment

XY0343; EGU2008-A-05038; NH2.2-1TU5P-0343

Di Crescenzo, G.; Faillace, P.; Romano, P.; **Santangelo, N.;** Santo, A.; Scorpio, V.

Alluvial fan flooding scenarios in southern Italy.

XY0344; EGU2008-A-07196; NH2.2-1TU5P-0344

Smith, P.; Beven, K; Tych, W; Hughes, D; Blair, G

A step towards detailed local flood warnings - The GridStix project.

XY0345; EGU2008-A-07646; NH2.2-1TU5P-0345
Ravazzani, G.; Mancini, M.
New trends in flood hazard mapping in urban area

XY0346; EGU2008-A-07830; NH2.2-1TU5P-0346
Reusser, D. E.; Herrmann, U.; Kreibich, H.; Zehe, E.
Flood forecasting for decision makers: coupling uncertain flood predictions with a flood loss model.

XY0347; EGU2008-A-08289; NH2.2-1TU5P-0347
Palla, A.; Lanza, L.G.; La Barbera, P.
Green roofs efficiency scenarios in preventing localised flooding in a Mediterranean urban catchment

XY0348; EGU2008-A-08987; NH2.2-1TU5P-0348
Hundecha, Y.; Pahlow, M.; Dietrich, J.; Klein, B.; Schumann, A.; Kufeld, M.; Reuter, C.; Schuettrumpf, H.; Hirschfeld, J.; Petschow, U.
Development of an integrated and interdisciplinary flood risk assessment instrument: the River Unstrut study

XY0349; EGU2008-A-09465; NH2.2-1TU5P-0349
Schipper, J.W.; Kunz, M.; Mueller, M.; Assmann, A.; Krahe, P.; Rachimow, C.; Daamen, K.; Bliefernicht, J.; Ebert, C.; Hennesdorf, J.
EC FP6 Integrated Project - PREVIEW: Short-range plain flood forecasting and risk management

XY0350; EGU2008-A-09487; NH2.2-1TU5P-0350
Gellweiler, I.; Seeling, S.; Nilles, S.
Assessment of complex and unexpected flood events for small and medium size catchments in Eifel and Saar-Nahe highlands

XY0351; EGU2008-A-09745; NH2.2-1TU5P-0351
Arnaud-Fassetta, G.; Fort, M.
The space of good functionment in fluvial geomorphology, a tool for mitigating flood risk. Application to the left-bank tributaries of the Aude River, Mediterranean France.

XY0352; EGU2008-A-10045; NH2.2-1TU5P-0352
Shieh, C.L.; Tseng, W.H.; Lee, S.P.; Lai, W.C.
Research on the affects to the sediment transportation equilibrium in channel after a large sabo dam broke (cancelled)

XY0353; EGU2008-A-11441; NH2.2-1TU5P-0353
Kreibich, H.; Thieken, A.
Coping with floods during and after the 2002 event in the city of Dresden, Germany

XY0354; EGU2008-A-11844; NH2.2-1TU5P-0354
Goutal, N.; Arnaud, A.; Dugachard, M.; Derocquiny, E.; **Bernardara, P.**
Discharge and Strickler coefficient uncertainty propagation in a one-dimensional free surface hydraulic model

NH4.1 Investigation of historic and prehistoric mass movements (co-listed in GM)

Convener: Rohn, J.
Co-Convener(s): Ehret, D.
Lecture Room 17
Chairperson: ROHN, J. & EHRET, D.

8:30–8:45; EGU2008-A-10487; NH4.1-1TU1O-001
Petley, D.N.
The global occurrence of fatal landslides in 2007

8:45–9:00; EGU2008-A-01007; NH4.1-1TU1O-002
Thuro, K.; Berner, Ch.; Eberhardt, E.
The 1806 landslide of Goldau – 200 years after the event (solicited)

9:00–9:15; EGU2008-A-00610; NH4.1-1TU1O-003
Klimes, J.; Vilímek, V.; Zvelebil, J.
Large-scale slope movements around the Machu Picchu historical monument, Cuzco, Peru

9:15–9:30; EGU2008-A-11480; NH4.1-1TU1O-004
Castellanos Abella, E.A.; **van Westen, C.J.;** van Asch, T.; de Jong, S.M.; Begueria, S.; Jetten, V.
Integrating methods for investigating a historic landslide: Jagüeyes landslide case study, Cuba

9:30–9:45; EGU2008-A-11275; NH4.1-1TU1O-005
Smolková, V.; Pánek, T.; Hradecký, J.
Landslide dams in the Czech part of the Flysch Carpathians

9:45–10:00; EGU2008-A-00413; NH4.1-1TU1O-006
Yan, SH.J.; Xiang, W.; Tang, H.M.
Shallow Landslides Survey and Rainfall Induction Mechanism Study for Xiang Xi River Basin of Three Gorges Reservoir

10:00 END OF SESSION

NH4.1 Investigation of historic and prehistoric mass movements (co-listed in GM) – Posters

Convener: Rohn, J.
Co-Convener(s): Ehret, D.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 17:30–19:00
Poster Area Halls X/Y
Chairperson: EHRET, D. & ROHN, J.

XY0355; EGU2008-A-08531; NH4.1-1TU5P-0355
Salvati, P.; Guzzetti, F.; Bianchi, C.
A new catalogue of landslides and floods events with human consequences in Italy

XY0356; EGU2008-A-06445; NH4.1-1TU5P-0356
Petrucci, O.; Calendino, A.; Pasqua, A.A.
A GIS of historical data concerning landslides occurred in north Calabria

XY0357; EGU2008-A-00710; NH4.1-1TU5P-0357
Schädler, W.; **Ronchetti, F.;** Meier, J.; Borgatti, L.; Corsini, A.; Schanz, T.
Deformation modelling of the Valoria earth slide - earth flow and reconstruction of past evolution phases in its head area

XY0358; EGU2008-A-09124; NH4.1-1TU5P-0358
Rohn, J.; Ehret, D.; Ruff, M.
Historic earthflows in the Alps – mechanisms, triggering factors and recurrence times

XY0359; EGU2008-A-00963; NH4.1-1TU5P-0359
Ehret, D.; Götz, S.; Reschreiter, H.; Rohn, J.; Lang, S.; Rumpler, N.
Analysing Prehistoric Mass Movements in a Salt Mine (Hallstatt, Austria)

XY0360; EGU2008-A-01008; NH4.1-1TU5P-0360
Hatem, M.; Thuro, K.
Distinct element modelling of the 1806 Goldau landslide event

XY0361; EGU2008-A-06099; NH4.1-1TU5P-0361
Grützner, C.H.; Fernández-Steege, T.M.; Reicherter, K.R.; Müller, D.; Rodríguez Bouzo, L.; Silva Barroso, P.G.
Historic and prehistoric landslides and rock falls in the Bolonia Bay region/SW Spain

XY0362; EGU2008-A-08172; NH4.1-1TU5P-0362
Hartvich, F.; Mugnai, F.; **Proietti, C.**; Smolková, V.; Strom, A.

A reconstruction of a former rockslide-dammed lake: the case of the Kokomeren River valley (Tien Shan, Kyrgyzstan)

XY0363; EGU2008-A-00855; NH4.1-1TU5P-0363

Forczek, I.

Slope deformations endangering historical objects in the Protected Landscape Area Bohemian Paradise

XY0364; EGU2008-A-10043; NH4.1-1TU5P-0364

Pánek, T.; Hradecký, J.; Smolková, V.; Šilhán, K.

Giant Holocene landslides in the Crimean Mountains (Ukraine): types, distribution and predisposition

XY0365; EGU2008-A-09203; NH4.1-1TU5P-0365

Van Den Eeckhaut, M.; Moeyersons, J.; Poesen, J.; Nyssen, J.; Deckers, J.; Haile, M.; Abraha, A.

Characteristics and consequences of ancient mass movements in the Northern Ethiopian highlands

XY0366; EGU2008-A-11768; NH4.1-1TU5P-0366

Tiwald, WT

restoration of extremely steep ski-slopes (cancelled)

NH4.3 Landslides monitoring and characterization using high resolution DEM, LIDAR and other DEM techniques (co-listed in GI)

Convener: Jaboyedoff, M.

Co-Convener(s): Derron, M., Couture, R.

Lecture Room 17

Chairperson: JABOYEDOFF, M.

10:30–10:45; EGU2008-A-03076; NH4.3-1TU2O-001

Kalbermatten, MK

Landscape characterization using wavelet detail coefficients – the landslide case study

10:45–11:00; EGU2008-A-03081; NH4.3-1TU2O-002

Lee, S.T.; Wang, C.L.; Yu, T.T.; Chen, Y.C.

The fractal dimension of topographic surface associated with landslide distribution: a case study in Tseng-Wen reservoir basin in Taiwan

11:00–11:15; EGU2008-A-05327; NH4.3-1TU2O-003

Otto, J C; Schneider, M

Semi-automatic landform mapping in 3D – Applications for rapid, high-accurate hazard zonation in high mountain terrain using high resolution DEM data.

11:15–11:30; EGU2008-A-08785; NH4.3-1TU2O-004

Metzger, R.; Jaboyedoff, M.

COLTOP 3D: A software dedicated to analyze relief using large DEM and massive 3D-imaging cloud points

11:30–11:45; EGU2008-A-10701; NH4.3-1TU2O-005

Prokop, A.

Terrestrial laser scanning data post processing for monitoring landslides

11:45–12:00; EGU2008-A-05110; NH4.3-1TU2O-006

Al-Ruzouq, R; Al-Zoubi, A; Abueladas, A; Akawwi, E; Camerlynck, C; Ezarsky, M

Hazard mapping along the Dead Sea shoreline, Jordan

12:00 LUNCH BREAK

Chairperson: DERRON, M.-H.

13:30–13:45; EGU2008-A-09525; NH4.3-1TU3O-001

Fischer, L.; Huggel, C.; Haeberli, W.; Eisenbeiss, H.; Züblin, M.; Vallet, J.

Helicopter-borne LIDAR and multi-platform aerial photogrammetry for stability-related terrain analysis of steep high-mountain areas: Monte Rosa east face

13:45–14:00; EGU2008-A-10690; NH4.3-1TU3O-002

Gigli, G.; Mugnai, F.; Falorni, G.; Manzo, G.; Morelli, S.; Leoni, L.; Lombardi, L.; Casagli, N.

Integration of terrestrial laser scanning and the Permanent Scatterers technique for instability analyses in urban areas.

14:00–14:15; EGU2008-A-08670; NH4.3-1TU3O-003

Sanin, O.; Aschauer, F.; Acharya, M.S.; Wu, W.

Large scale field test on a filigree surface system combined with vegetation

14:15–14:30; EGU2008-A-03178; NH4.3-1TU3O-004

Travelletti, J.; Oppikofer, T.; Malet, J.-P.; Jaboyedoff, M.

Monitoring of landslide deformation during controlled rainfall experiments using a Long-range Terrestrial Laser Scanning (TLS)

14:30–14:45; EGU2008-A-09404; NH4.3-1TU3O-005

Corsini, A.; Borgatti, L.; Ronchetti, F.; Sterzai, P.

Estimating mass-wasting processes in active earth slides – earth flows with time-series of high-resolution DEMs from photogrammetry and airborne LiDAR

14:45–15:00; EGU2008-A-03690; NH4.3-1TU3O-006

Martha, T.R.; Kerle, N.; Westen, C.V.; Kumar, K.V.

High resolution DEM from Cartosat – 1 for landslide investigation in the Himalayan region, India

15:00 END OF SESSION

NH4.3 Landslides monitoring and characterization using high resolution DEM, LIDAR and other DEM techniques (co-listed in GI) – Posters

Convener: Jaboyedoff, M.

Co-Convener(s): Derron, M., Couture, R.

Display Time: Tuesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: JABOYEDOFF, M.

XY0367; EGU2008-A-03059; NH4.3-1TU5P-0367

Doshida, S; Chigira, M; Nakamura, T

Application of airborne laser scanner to the analysis of slope development by shallow landslides in mud rock area

XY0368; EGU2008-A-04895; NH4.3-1TU5P-0368

Matsuzawa, M; Chigira, M; Doshida, S

Denudation fronts detected by airborne laser scanner

XY0369; EGU2008-A-06972; NH4.3-1TU5P-0369

Trevisani, S.; Cavalli, M.; Marchi, L.

Use of geostatistics for the processing of LiDAR data and the characterisation of landforms in a small basin in the Dolomites (eastern Italian Alps)

XY0370; EGU2008-A-09989; NH4.3-1TU5P-0370

Kniess, U.; Van Westen, C. J.; Villemain, T.; Bievre, G.; Pathier, E.; Jongmans, D.; Schwartz, S.

Analysis of a high resolution LIDAR DEM over two large landslides within glaciolacustrine clays (Trieves area, French Alps)

XY0371; EGU2008-A-07410; NH4.3-1TU5P-0371

Avian, M.; Proske, H.; Schardt, M.

Results and examples of a geomorphological interpretation key based on high resolution LIDAR and optical data in the Eastern Alps

XY0372; EGU2008-A-10528; NH4.3-1TU5P-0372

Avian, M.; Bård Romstad, B.

An approach on automatic landform mapping using high resolution DTMs derived from LiDAR: a case study in the Italian Eastern Alps

XY0373; EGU2008-A-06382; NH4.3-1TU5P-0373

Piryaei, Z.; Ghanavati, E

Statistical modeling of landslide hazard using GIS, a case study Jajroud, Iran

XY0374; EGU2008-A-08799; NH4.3-1TU5P-0374

Surace, I.; Pedrazzini, A.; Breguet, A.; Dubois, J.; Jaboyedoff, M.; Loye, A.

Regional landslides susceptibility classification based on LiDAR-DEM hillshade, 3D visualization and geological maps

XY0375; EGU2008-A-06088; NH4.3-1TU5P-0375

Derron, M.-H.

The Norwegian susceptibility mapping program for rock falls, shallow landslides, debris flows and snow avalanches

XY0376; EGU2008-A-05930; NH4.3-1TU5P-0376

Regmi, R.; Giardino, G; Vitek, V; Briaud, B

Three-Dimensional Visualization of the Andy Gump Landslide, Grand Mesa, Colorado, USA

XY0377; EGU2008-A-06676; NH4.3-1TU5P-0377

Oppikofer, T.; Metzger, R.; Jaboyedoff, M.

Structural analysis of cliffs using terrestrial laser scanning and field measurements

XY0378; EGU2008-A-09774; NH4.3-1TU5P-0378

Oppikofer, T.; Rossier, G.; Bardou, E.

Methodology to survey landscape evolution of a gorge-like topography by LiDAR technique

XY0379; EGU2008-A-11276; NH4.3-1TU5P-0379

Abellán, A.; **Oppikofer, T.;** Jaboyedoff, M.

An experimental essay to detect small displacements on rockslopes

XY0380; EGU2008-A-09254; NH4.3-1TU5P-0380

Squarzoni, C.; Galgaro, A.; Teza, G.; Acosta, C.A.T; Pernito, M.A.; Bucci, N.

Terrestrial laser scanner and infrared thermography in rock fall prone slope analysis

XY0381; EGU2008-A-10253; NH4.3-1TU5P-0381

Norman, E.; Rosser, N; Petley, D; Lim, M

Influence of rock mass structure on the character of rockfalls from hard rock cliffs

NH5.6 Remote sensing and GIS techniques in identifying earthquake prone areas and in assessing earthquake damage in urban areas(co-listed in TS) – Posters

Convener: Dalati, M.

Co-Convener(s): El-Baz, F., Tziavos, I., Kiavarz Moghaddam, M.

Display Time: Tuesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: DALATI, M-TZIAVOS I.

XY0382; EGU2008-A-00894; NH5.6-1TU5P-0382

Kiavarz Moghaddam, M.; Samadzadegan, F; valadan zoej, M; Kiavarz Moghaddam, H

Post-Earthquake Building Damage Assessment Using High-Resolution Satellite Imagery, In the Case of the 2003 Bam, Iran, Earthquake

XY0383; EGU2008-A-01083; NH5.6-1TU5P-0383

Dalati, M

Monitoring of Earthquakes Activities along the Syrian Rift System (Left-Lateral) By using Remote Sensing and GIS Database

XY0384; EGU2008-A-01084; NH5.6-1TU5P-0384

Shawabkeh, K.; Dalati, M

Using of Advanced Technologies for Disasters Monitoring

XY0385; EGU2008-A-01086; NH5.6-1TU5P-0385

Shakir Mahmood, S.; Dalati, M

The Role of Remote Sensing in Disaster Management and types of information that is needed for Earthquakes disaster mitigation

XY0386; EGU2008-A-01201; NH5.6-1TU5P-0386

Trianni, G.; Gamba, P.; Dell'Acqua, F.; Lisini, G.

Damage detection using ALOS-PALSAR images and ancillary information for the 2007 Peru earthquake

XY0387; EGU2008-A-01436; NH5.6-1TU5P-0387

Al Ibrahim, M.; **Dominik, W**

Geological and structural studies by using remote sensing and GIS, East and northeast Syria

XY0388; EGU2008-A-02375; NH5.6-1TU5P-0388

Nolte, E.; Wenzel, F.; Khazai, B.

Earthquake vulnerability assessment using GIS and high resolution satellite imagery

XY0389; EGU2008-A-03027; NH5.6-1TU5P-0389

Huang, M.H.; Hu, J.C.; Ching, K.E.; Rau, R.J.

Active deformation of Tainan Tableland, southwestern Taiwan based on SAR interferometry and other geodetic measurements

XY0390; EGU2008-A-05769; NH5.6-1TU5P-0390

Tung, H.; Yen, J.-Y.; Hu, J.-C.

Surface deformation analysis using persistent scatterers technique: a case study of southwestern Taiwan area

XY0391; EGU2008-A-08500; NH5.6-1TU5P-0391

Saito, K.; Spence, R

Deriving building stock characteristics using remote sensing for post-disaster damage assessment

XY0392; EGU2008-A-08653; NH5.6-1TU5P-0392

Chini, M.; Bignami, C.; Emery, W.J.; Pierdicca, N.; Stramondo, S.

Mapping Damage Buildings Using vhr Optical Data: the 2003 Bam Earthquake Case Study

XY0393; EGU2008-A-11797; NH5.6-1TU5P-0393

Samadzadegan, F.; **Rastiveisi, H.**

Automatic Determination of Earthquake Destruction of Buildings, Using High Resolution Satellite Imagery

XY0394; EGU2008-A-11878; NH5.6-1TU5P-0394
Grigoriadis, V.N.; Papadopoulou, I.D.; Savvaidis, P.; **Tziavos, I.N.**
Collection, management and analysis of building damage information in the urban environment through Web-GIS

IS33 - NH8.3/BG2.17/SSS31 Heavy-Metal Pollution in the Geoenvironment: Understanding for Remediation Action (co-organized by NH, BG & SSS) – Posters

Convener: Galvez, R.
Co-Convener(s): Dermatas, D., Holden, J., Malamud, B.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: HOLDEN, J., MALAMUD, B.

IV. Heavy Metal Geochemistry

XY0395; EGU2008-A-01405; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0395
Schueler, A.; Mahler, C.
Soil Contamination by Waste Leachate

XY0396; EGU2008-A-10535; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0396
Scherer, U.; Fuchs, S.
Emissions of heavy metals into large river basins

XY0397; EGU2008-A-11569; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0397
Sass, B.; Kremser, D.; Bhargava, M.; French, C.; Toskos, T.; Tinjum, J.
Implications of mineral equilibrium on hexavalent chromium leaching from buried chrome ore spoils

XY0398; EGU2008-A-11916; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0398
Khayrulina, E.A.
The natural reserves under heavy metal pollution (Western Urals, Russia)

XY0399; EGU2008-A-01278; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0399
Melegy, A.; Salman, S.
Petrology, mineralogy and environmental geochemistry of mined coal in Maghara, Sinai

XY0400; EGU2008-A-01594; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0400
Li, L.; MacGregor, D.
Natural attenuation of mine drainage-borne zinc in permafrost of Northern Canada

XY0401; EGU2008-A-02081; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0401
Ettler, V.; Mihaljevic, M.; Sebek, O.; Komarek, M.
Lead mobility in smelter-affected soils

XY0402; EGU2008-A-04512; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0402
Khachiyan, D.
Harm caused by Kapan ore mining and processing enterprise

XY0403; EGU2008-A-10187; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0403
Ferjan, T.; **Brenèie, M.**; Zupanèie, N.
Soil geochemistry of ironworks surroundings in Srednja Radovna, NW Slovenia

XY0404; EGU2008-A-10474; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0404
Huerkamp, K.; Raab, T.A.; Voelkel, J.
Assessment of ground water and floodplain soil pollution caused by lead mining in the Vils River valley (Upper Palatinate, Germany)

XY0405; EGU2008-A-07838; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0405
Mouta, E.R.; Mello, W.J.; Soares, M.R.; Junior, E.F.F.; **Casagrande, J.C.**; Torres, L.S.; Guedes, A.C.P
Langmuir and Freundlich parameters of selenium adsorption

XY0406; EGU2008-A-01285; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0406
Casagrande, J. C.; Mouta, E. R.; Soares, M. R.; Silva, L.C.F; Maniero, M.A.
Nickel adsorption by variable charge soil

XY0407; EGU2008-A-07870; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0407
Terán, T.; **Faz, A.**; Muñoz, M.; Acosta, J.; Martinez-Martinez, S.; Millán, R.; Fernandez, C.
Metal pollution by mining activities in Apolobamba (Bolivia): Evaluation and risk assessment

XY0408; EGU2008-A-06308; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0408
Muñoz, MA; **Faz, A.**; Zanuzzi, A; Acosta, J.A; Martinez, S; Carmona, D
Heavy metal distribution in “La Encontrada” mining pond in Cartagena-La Unión (Spain)

XY0409; EGU2008-A-09175; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0409
Martinez-Martinez, S.; **Faz, A.**; Arocena, J.M.; Acosta, J.A.
Distribution of Metals in Particle Size Fractions of Soils Developed on Igneous Rocks from Murcia Province, SE Spain

V. Heavy Metal Amelioration”

XY0410; EGU2008-A-02832; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0410
Zanuzzi, A; **Faz, A**
An alternative for the ecosystem restoration in Cartagena-La Union Mining District, SE Spain.

XY0411; EGU2008-A-11885; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0411
Dermatas, D.; Chrysochoou, M.
Questioning the Effectiveness and Sustainability of Treating Pb-Contaminated Soils and Sediments with Phosphates

XY0412; EGU2008-A-11832; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0412
Chrysochoou, M.; **Dermatas, D.**; Grubb, D.G.; Moon, D.H.; Christodoulatos, C.
Geoenvironmental Characterization of Chromite Ore Processing Residue (COPR): Implications for Cr (VI) Treatment

XY0413; EGU2008-A-01596; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0413
Del Porto, dp
Phytoremediation

XY0414; EGU2008-A-03332; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0414
Schindler, F.; Kothe, E.
Bioimmobilization and bioremediation at an AMD contaminated site in Eastern Thuringia

XY0415; EGU2008-A-04439; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0415
Hayes, J.; Landes, J; Leventis, G; Canouse, J
Mercury identification and remediation in landmark Manhattan lofts and a Brooklyn skyscraper

XY0416; EGU2008-A-05037; IS33 -
NH8.3/BG2.17/SSS31-1TU2P-0416
Shams, K. M.; Tichy, G.; Fischer, A.; Filip, K.; Sager, M.; Bashar, A.; Peer, T.; Jozic, M.
Chromium contamination from tannery wastes in the soils of Hazaribagh area in Dhaka City, Bangladesh, and aspects of its phytoremediation

- XY0417;** EGU2008-A-07573; IS33 - NH8.3/BG2.17/SSS31-1TU2P-0417
Galvez, R; Ouattara, A; Mulligan, C
Feasibility Study on Biolixiviation of Cu, Mg, Ni, Pb and Zn from Mining Residues using Food Waste as Substrate
- XY0418;** EGU2008-A-05570; IS33 - NH8.3/BG2.17/SSS31-1TU2P-0418
Burgos, W.; Senko, J.; Dohnalkova, A.; Kelly, S.; Kemner, K.
Characterization of uraninite nanoparticles produced by different *Shewanella* species
- XY0419;** EGU2008-A-03011; IS33 - NH8.3/BG2.17/SSS31-1TU2P-0419
Puschenreiter, M; SUMATECS TEAM
Sustainable management of trace element contaminated soils - Development of a decision tool system and its evaluation for practical application - the SUMATECS project
- XY0420;** EGU2008-A-12487; IS33 - NH8.3/BG2.17/SSS31-1TU2P-0420
Rodriguez, C.F.; Fernandez, S.; Alvarez, M.A.
Evidences of increase of heavy metals concentration due to atmospheric deposition in natural soils (Cantabrian Mountain Range, N Spain)

IS34 - NH8.4/BG2.16 Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized by NH & BG; co-listed in SSS)

- Convener: Lasaponara, R.
Co-Convener(s): Telesca, L., McKenzie, D., Millington, J.
Lecture Room 28
Chairperson: LASAPONARA, R. - TELESKA, L.
- 13:30–14:00;** EGU2008-A-11879; IS34 - NH8.4/BG2.16-1TU3O-001
Malamud, B.D.
Wildfire Statistics: Implications for Ecology, Risk and Government Agency Reporting (solicited)
- 14:00–14:15;** EGU2008-A-01823; IS34 - NH8.4/BG2.16-1TU3O-002
Tuia, D.; Lasaponara, R.; Tonini, M.; Algisi, G.; Telesca, L.; Kanevski, M.
Quantification of forest fires clustering in space and time: global vs local approaches
- 14:15–14:30;** EGU2008-A-10549; IS34 - NH8.4/BG2.16-1TU3O-003
Zinck, R.D.; Grimm, V.
Wildfire, landscape diversity and the Drossel-Schwabl model
- 14:30–14:45;** EGU2008-A-10320; IS34 - NH8.4/BG2.16-1TU3O-004
Salis, M.; Arca, B.; Bacciu, V.; Pellizzaro, G.; Ventura, A.; Spano, D.; Duce, P.
Sensitivity of fire behavior simulations to spatial accuracy of input data
- 14:45–15:00;** EGU2008-A-01734; IS34 - NH8.4/BG2.16-1TU5O-005
Hyer, E.; Reid, J.
A Framework for Systematic Analysis of Errors and Information Content of Wildfire Emission Models and Datasets

15:00 COFFEE BREAK

- Chairperson: LASAPONARA, R. - MCKENZIE, D.
- 15:30–15:45;** EGU2008-A-00190; IS34 - NH8.4/BG2.16-1TU4O-001
Hessburg, P.; Moritz, M.
Native Fire Regimes and Landscape Resilience

- 15:45–16:00;** EGU2008-A-08121; IS34 - NH8.4/BG2.16-1TU4O-002
Durao, R.; Horta, A.; Pereira, M.J.; **Soares, A.**
Assessing Spatial Uncertainty of the Portuguese Fire Risk through Direct Sequential Simulation
- 16:00–16:15;** EGU2008-A-06406; IS34 - NH8.4/BG2.16-1TU4O-003
Ricotta, C.; Bajocco, S.
Analysis of the relationship between landscape heterogeneity and wildfires distribution: evidence of selective burning in Sardinia (Italy).
- 16:15–16:30;** EGU2008-A-00377; IS34 - NH8.4/BG2.16-1TU4O-004
Kharuk, V.; Ranson, K
Wildfire dynamics in mid-Siberian larch dominated forests
- 16:30–16:45;** EGU2008-A-10388; IS34 - NH8.4/BG2.16-1TU4O-005
French, N
Assessing fuel consumption across fire-effected boreal and western North American forest regions
- 16:45–17:00;** EGU2008-A-09687; IS34 - NH8.4/BG2.16-1TU4O-006
Anderson, K.; Reuter, G.; Flannigan, M.; Etches, M.
Characteristics of large fires in Wood Buffalo National Park, Canada

17:00 COFFEE BREAK

- Chairperson: TELESKA, L. - MILLINGTON, J. D. A.
- 17:30–17:45;** EGU2008-A-01232; IS34 - NH8.4/BG2.16-1TU5O-001
Balzter, H.; Lehsten, V; Tansey, K; Arneth, A; Thonicke, K; Spessa, A
Estimating Carbon Emissions from Fires in Africa using Remote Sensing and Modelling
- 17:45–18:00;** EGU2008-A-02596; IS34 - NH8.4/BG2.16-1TU5O-002
Chuvieco, E.; Aguado, I.; Yebra, M.; Nieto, H.; Martín, M. P.; Vilar, L.; Martínez, J.; Padrón, D.; Martín, S.; Salas, J.
Development of a framework for fire danger assessment using Remote Sensing and Geographic Information System technologies
- 18:00–18:15;** EGU2008-A-03989; IS34 - NH8.4/BG2.16-1TU5O-003
Sifakis, N.; Iossifidis, C; Kontoes, C
Fire Detection and Monitoring over Greece in 2007 summer period using MSG satellite data
- 18:15–18:30;** EGU2008-A-06136; IS34 - NH8.4/BG2.16-1TU5O-004
Lhermitte, S.; Verbesselt, J.; Verstraeten, W.W.; Coppin, P.
Assessment of Burn Severity Using the Pixel Based Regeneration Index
- 18:30–18:45;** EGU2008-A-11284; IS34 - NH8.4/BG2.16-1TU5O-005
Wooster, M.J.; Govaerts, Y; Roberts, G; Lattanzio, A; Freeborn, P; Xu, W
New operational geostationary fire detection and fire radiative power products from the European land surface analysis satellite applications facility (LandSAF)
- 18:45–19:00;** EGU2008-A-02537; IS34 - NH8.4/BG2.16-1TU5O-006
Spessa, A.; Thonicke, K; Wooster, M
The Importance of Fire in the Earth System: Simulation Models, EO Data and Future Prospects

19:00 END OF SESSION

NH9.3 Vulnerability analysis in natural hazards and risk assessments

Convener: Glade, T.
Co-Convener(s): Birkmann, J.
Lecture Room 17
Chairperson: GLADE, T.

15:30–15:45; EGU2008-A-04046; NH9.3-1TU40-001

Spichtig, S; Bründl, M

Analysis of Alpine torrent events to validate existing vulnerability functions

15:45–16:00; EGU2008-A-04632; NH9.3-1TU40-002

Fuchs, S.

Vulnerability to torrent events - Empirical evidence from Austria

16:00–16:15; EGU2008-A-07198; NH9.3-1TU40-003

Chelidze, T.; Tsereteli, E.; Tsereteli, N.; Varazanashvili, O.; Kaldani, L.; Karakhanyan, A.; Panahi, B.

From hazards to risks – comparative analysis of assessment techniques in the South Caucasus region

16:15–16:30; EGU2008-A-07570; NH9.3-1TU40-004

Kienberger, S.; Lang, S.; Zeil, P.

Expert-based spatial modelling of socio-economic vulnerability in the Salzach catchment – An approach to derive spatial vulnerability units

16:30–16:45; EGU2008-A-00611; NH9.3-1TU40-005

Wang, J.J.; Ling, H.I.

The risk assessment model for typhoon-triggered debris flow disasters; V Taking two counties in Taiwan as examples

16:45–17:00; EGU2008-A-10027; NH9.3-1TU40-006

Kaiser, G; Sterr, H; Hofmann, S

Micro-scale analysis of flood risk at the German Bight Coast

17:00 COFFEE BREAK

Chairperson: BIRKMANN, J.

17:30–17:45; EGU2008-A-11750; NH9.3-1TU50-001

Schneiderbauer, ScS; Zebisch, ZeM; Steurer, StC

Vulnerability is not equal to Vulnerability – the need for an interdisciplinary framework for vulnerability analysis in risk assessments

17:45–18:00; EGU2008-A-07776; NH9.3-1TU50-002

Kuhlicke, C.

Ignorance and Vulnerability: Taking the Limits of Knowledge into account in Vulnerability Analysis

18:00–18:15; EGU2008-A-07687; NH9.3-1TU50-003

Johannesdottir, G; Gisladdottir, G

People living under threat of volcanic hazard in south Iceland: vulnerability and risk perception

18:15–18:30; EGU2008-A-03903; NH9.3-1TU50-004

Fekete, A.

The scale dependence of social and ecological vulnerability in context to river-floods in Germany

18:30–18:45; EGU2008-A-02431; NH9.3-1TU50-005

Donovan, K.H.M

Cultural vulnerability in volcanic regions: an Indonesian case study.

18:45–19:00; EGU2008-A-05312; NH9.3-1TU50-006

Gautam, M.R.; Osti, R.

Framework for integrated flood risk management in West Rapti Basin, Nepal.

19:00 END OF SESSION

NH9.4 Natural hazard and risk protection strategies: Early Warning Systems and structural measures (co-listed in GI) – Posters

Convener: Huebl, J.
Co-Convener(s): Rudolf-Miklau, F., Glade, T., Nadim, F.
Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: GLADE, TH.

XY0421; EGU2008-A-03900; NH9.4-1TU2P-0421

Mueller, B.; Nachtnebel, H.P.

Flood protection through management on Alpine lakes in Austria

XY0422; EGU2008-A-04982; NH9.4-1TU2P-0422

Hübl, J.; **Mazzorana, B.**

Hazard indicators for woody debris recruitment and subsequent transport phenomena in Alpine rivers

XY0423; EGU2008-A-06623; NH9.4-1TU2P-0423

Kaitna, R.; Kerschbaumer, M.; Zlatić-Jugović, J.; Zott, F.; Huebl, J.

Hydraulic optimisation of the transition reach between a sediment retention area and a narrow channel using a physical scale model

XY0424; EGU2008-A-07435; NH9.4-1TU2P-0424

Huebl, J.; **Prose, D.**

Development of the ONR 24801 'Design of structural mitigation measures

XY0425; EGU2008-A-07559; NH9.4-1TU2P-0425

Dhital, M. R.

Study of sediment sources using remote sensing and GIS in Seti watershed, West Nepal Himalaya

XY0426; EGU2008-A-08294; NH9.4-1TU2P-0426

Aschauer, F.; Acharya, M.S.; Oberreiter, K.

Innovative use of geosynthetics for near nature construction measures

XY0427; EGU2008-A-05822; NH9.4-1TU2P-0427

Ko, H.Y.; Zhuang, S.S.; Chang, Y.H.; Chou, T.Y.

An introduction on debris flow monitoring station in Taiwan - a case study on Shen-Mu monitoring station

XY0428; EGU2008-A-07244; NH9.4-1TU2P-0428

Huebl, J.; **Olbert, M.**

Experience with the information system at Lattenbach/Tyrol

XY0429; EGU2008-A-08152; NH9.4-1TU2P-0429

Huebl, J.; Zhang, S.; **Kogelnig, A.**

Infrasound monitoring of debris flow

XY0430; EGU2008-A-11175; NH9.4-1TU2P-0430

Nadim, C.; Klein, E.; Dünner, C.; Bigarré, P.

Multi-scale and global monitoring strategy for early-warning systems applied to ground failure hazards

XY0431; EGU2008-A-07490; NH9.4-1TU2P-0431

Mazzeo, G.; RST TEAM

An automatic satellite system (RST based) for early warning and monitoring of natural hazards.

XY0432; EGU2008-A-06873; NH9.4-1TU2P-0432

Prestininzi, A.; **Mazzanti, P.;** Bozzano, F.

An integrated ground based radar platform for the real time monitoring of a landslide involving an under construction infrastructure

XY0433; EGU2008-A-09168; NH9.4-1TU2P-0433

Pipia, L.; Aguasca, A.; Fabregas, X.; Mallorquí, J.J.; **Lopez-martinez, C.;** Marturià, J.

Subsidence Monitoring at X-Band using a Polarimetric Ground-Based SAR Sensor

XY0434; EGU2008-A-09998; NH9.4-1TU2P-0434
Danscheid, M.; ILEWS Research-Team
Integrative landslide early warning systems (ILEWS)

XY0435; EGU2008-A-10831; NH9.4-1TU2P-0435
Mobaraki, A.; Ameri, F.
Application of Mobile GIS and SDI for Emergency Management

NH9.7 The Management of Combined Extreme Events (Floods and Landslides) – Posters

Convener: Sdao, F.
Co-Convener(s): Manfreda, S., Sole, A., BATEMAN, A.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: SDAO, F.

XY0436; EGU2008-A-11785; NH9.7-1TU2P-0436
Canora, F.; Spiloto, G.
The hydrological hazard and flooding damages due to anthropogenic activities in the Murgian karstic environment (Southern Italy).

XY0437; EGU2008-A-11753; NH9.7-1TU2P-0437
Casagli, N.; Falorni, G.; Ermini, L.
Tools for monitoring and assessing the stability of landslide dams (solicited)

XY0438; EGU2008-A-02148; NH9.7-1TU2P-0438
de Bari, C.; Pascale, S.; **Sdao, F.**
The neural network applied to spatial hazard of the landslide dam making (solicited)

XY0439; EGU2008-A-02144; NH9.7-1TU2P-0439
de Bari, C.; **Pascale, S.;** Rizzo, G.
Landslide hazard assessment in the “Sassi di Matera” (Southern Italy) using artificial neural network

XY0440; EGU2008-A-11873; NH9.7-1TU2P-0440
De Wrachien, D.; Mambretti, S.
Dam – break shock waves with floating debris: A two – phase model for hazard assessment (solicited)

XY0441; EGU2008-A-02635; NH9.7-1TU2P-0441
Giosa, L.; Sole, A.
Laser scanning and flood risk models

XY0442; EGU2008-A-03163; NH9.7-1TU2P-0442
Giosa, L.; Manfreda, S.; **Pascale, S.;** Sdao, F.; Sole, A.; Albano, R.
Assessment of systemic vulnerability in landslide and flood prone areas (solicited)

XY0443; EGU2008-A-02219; NH9.7-1TU2P-0443
Gullà, G.; Critelli, S.; **Perri, F.;** Aceto, L.
Geotechnical and minero-petrographical investigation of fine grained soils affected by soil slips: a case of study from Central Calabria (Southern Italy)

XY0444; EGU2008-A-11041; NH9.7-1TU2P-0444
Mancarella, D.; **Simeone, V.**
Capillary barriers and stability of sloping layered pyroclastic covers

XY0445; EGU2008-A-09550; NH9.7-1TU2P-0445
Manfreda, S.; Fiorentino, M.; Sole, A.
Flood Exposure through a Geomorphologic Approach (solicited)

XY0446; EGU2008-A-00645; NH9.7-1TU2P-0446
Medina, VM; Bateman, AB; Hurlimann, MH
The FlatModel, a 2D numerical code to evaluate debris flows dynamics. Eastern Pyrenees basins application. (solicited)

XY0447; EGU2008-A-12064; NH9.7-1TU2P-0447
Miranda, D.; Pascale, V.
Expeditive models for river water discharge evaluation

XY0448; EGU2008-A-11993; NH9.7-1TU2P-0448
Spiloto, G.; Canora, F.; Caporale, F.
Basin modifications and coastal dynamics: the Ionic coast of the Basilicata region, flood effectiveness

Wednesday

IS29 - NH1.1/AS4.08 Precipitation Science (co-organized by NH & AS) – Posters

Convener: Smith, E.
Co-Convener(s): Mugnai, A., Nakamura, K., Tripoli, G.
Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: SMITH, E.A., TRIPOLI, G.J.

XY0466; EGU2008-A-04356; IS29 - NH1.1/AS4.08-1WE4P-0466
Fekete, B.; Wisser, D.; Vorosmarty, C.
Spatial and temporal variability of precipitation in rainfall runoff models (solicited)

XY0467; EGU2008-A-11461; IS29 - NH1.1/AS4.08-1WE4P-0467
Haddad, Z.; Park, K.-W.
Vertical profiling of precipitation with multi-channel passive microwave radiometers (solicited)

XY0468; EGU2008-A-12152; IS29 - NH1.1/AS4.08-1WE4P-0468
Smith, E.; Kuo, K.; Carty, H.
Seeking Augmented Information Content Concerning Diurnal Precipitation Achieved by Combining TRMM-PR and CloudSat-CPR Radar Data Sets (solicited)

XY0469; EGU2008-A-12150; IS29 - NH1.1/AS4.08-1WE4P-0469
Wolff, D.; Fisher, B.
Comparison of TRMM Ground Validation Rain Rates with TRMM and Other Satellite Estimates (solicited)

XY0470; EGU2008-A-03091; IS29 - NH1.1/AS4.08-1WE4P-0470
Hirose, M.; **Nakamura, K.**
Detection of extreme precipitation systems based on the long-term TRMM PR data (solicited)

XY0471; EGU2008-A-05724; IS29 - NH1.1/AS4.08-1WE4P-0471
Stocker, E.; Kwiatkowski, J
Impact on TRMM data products of the conversion to Linux processing (solicited)

XY0472; EGU2008-A-12207; IS29 - NH1.1/AS4.08-1WE4P-0472
Mugnai, A.; Casella, D.; Hashino, T.; Sanò, P.; Smith, E.A.; Tripoli, G.J.
Impact of cloud model ice microphysical parameterization on simulated brightness temperatures to be used within Bayesian schemes for passive-microwave precipitation retrieval from satellite (solicited)

XY0473; EGU2008-A-12149; IS29 - NH1.1/AS4.08-1WE4P-0473
Stephens, G.
What controls changes in global precipitation? (solicited)

XY0474; EGU2008-A-10438; IS29 - NH1.1/AS4.08-1WE4P-0474
Morales, C.A.; Durigon, A.; **Massambani, O.**
TRMM TMI/PR and DSD for Rain Retrievals over the Southeastern-Brazil region (solicited)

- XY0475;** EGU2008-A-00346; IS29 - NH1.1/AS4.08-1WE4P-0475
Safdari, Z.; Joodaki, G.
Distribution of precipitation in Iran
- XY0476;** EGU2008-A-00704; IS29 - NH1.1/AS4.08-1WE4P-0476
Perekhodtseva, E.
On the forecast on the catastrophic events including disastrous wind and precipitation, floods and landslides at the territory of Russia and Europe.
- XY0477;** EGU2008-A-02127; IS29 - NH1.1/AS4.08-1WE4P-0477
Gambetti, M.; Porta, E.D.; **Molini, L.;** Parodi, A.; Rebora, N.; Siccardi, F
A climatological analysis of the extremes in year 2006 over Italian catchments
- XY0478;** EGU2008-A-02980; IS29 - NH1.1/AS4.08-1WE4P-0478
Yamamoto, M.; Higuchi, A.; Takenaka, H; Nishio, F; Takamura, T; Kuze, H
Construction of Globally-Merged Geostationary Satellites Dataset
- XY0479;** EGU2008-A-02981; IS29 - NH1.1/AS4.08-1WE4P-0479
Yamamoto, M.; Kikuchi, S; Higuchi, A
Climatological Changes in Rain and Non-Rain Days over the East Asian Region Using Long Term Rain Gauge Observation Data
- XY0480;** EGU2008-A-03082; IS29 - NH1.1/AS4.08-1WE4P-0480
Pham, N.; **Nakamura, K.;** Furuzawa, F.
Characteristics of Low Level Jets over Okinawa observed with 400 MHz Wind Profiler
- XY0481;** EGU2008-A-03085; IS29 - NH1.1/AS4.08-1WE4P-0481
Singh, P.; **Nakamura, K.**
'Lake effect' on precipitation over Tibetan Plateau observed by TRMM Precipitation Radar
- XY0482;** EGU2008-A-03135; IS29 - NH1.1/AS4.08-1WE4P-0482
Kachi, M.; Kubota, T.; Oki, R.; Ushio, T.; Okamoto, K.
Near-real-time global precipitation map using multi-satellite data
- XY0483;** EGU2008-A-03155; IS29 - NH1.1/AS4.08-1WE4P-0483
Trömel, S.; **Simmer, C.**
Integral Radar Volume Descriptors as a potential validation tool for modelled precipitation dynamics and microphysics
- XY0484;** EGU2008-A-03605; IS29 - NH1.1/AS4.08-1WE4P-0484
Pishvaei, M. R.; Esmailzadeh, F.; Ansaribasir, A.
Precipitation Regime in Southern Iran Assessed by Harmonic Method
- XY0485;** EGU2008-A-04183; IS29 - NH1.1/AS4.08-1WE4P-0485
Williams, C.R.
Uncertainties in Radar Profiler Raindrop Size Distributions Estimated from Ensemble Statistics and Optimal Estimation Theory
- XY0486;** EGU2008-A-04288; IS29 - NH1.1/AS4.08-1WE4P-0486
Wang, L.-P.; Grabowski, W. W.
The role of cloud turbulence in warm rain initiation
- XY0487;** EGU2008-A-04381; IS29 - NH1.1/AS4.08-1WE4P-0487
Liepert, B.; Previdi, M.
Do models and observations disagree on the rainfall response to global warming?
- XY0488;** EGU2008-A-04423; IS29 - NH1.1/AS4.08-1WE4P-0488
Previdi, M.; Liepert, B.
The poleward expansion of subtropical dry zones: spatiotemporal characteristics and links to the extratropics
- XY0489;** EGU2008-A-05097; IS29 - NH1.1/AS4.08-1WE4P-0489
Wang, D
Cloud-precipitation processes associated with a severe tropical storm: A numerical study
- XY0490;** EGU2008-A-05712; IS29 - NH1.1/AS4.08-1WE4P-0490
Stocker, E
TRMM Gridded Text Products
- XY0491;** EGU2008-A-05776; IS29 - NH1.1/AS4.08-1WE4P-0491
Jou, B.; Lee, W
Monsoon rainfall in a complex terrain environment: SoWMEX/TiMREX introduction
- XY0492;** EGU2008-A-07777; IS29 - NH1.1/AS4.08-1WE4P-0492
Schüttemeyer, D.; Simon, J.; Trömel, S.; Simmer, C.
Radar based rainfall nowcasting for hydrological applications over river catchments in Germany
- XY0493;** EGU2008-A-08235; IS29 - NH1.1/AS4.08-1WE4P-0493
Brussolo, E.; Ferraris, L.; von Hardenberg, J.; Rebora, N.
The role of limited area ensemble prediction models in a hydrometeorological chain
- Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00
- Poster Area Halls X/Y
Chairperson: MUGNAI, A., NAKAMURA, K.
- XY0494;** EGU2008-A-08248; IS29 - NH1.1/AS4.08-1WE5P-0494
Sodemann, H.; **Stohl, A.**
Structures of moisture transport to Norway associated with winter cyclones in the North Atlantic
- XY0495;** EGU2008-A-08796; IS29 - NH1.1/AS4.08-1WE5P-0495
Bachner, S.; Kapala, A.; Simmer, C.
Evaluation of regional climate model simulations with respect to daily precipitation characteristics
- XY0496;** EGU2008-A-08809; IS29 - NH1.1/AS4.08-1WE5P-0496
Anquetin, S.; Godart, A.; Leblois, E.
Pluviometric regime associated to banded convection in Mediterranean regions
- XY0497;** EGU2008-A-09622; IS29 - NH1.1/AS4.08-1WE5P-0497
Schipper, J.W.; Kunz, M.
High resolution simulations during extreme precipitation events in the upper Danube catchment
- XY0498;** EGU2008-A-09888; IS29 - NH1.1/AS4.08-1WE5P-0498
Brommundt, J.; Bárdossy, A.
Stochastic simulation of simultaneous precipitation time series in high temporal resolution for multiple locations
- XY0499;** EGU2008-A-10135; IS29 - NH1.1/AS4.08-1WE5P-0499
Jutla, A
A Precipitation Dipole and its Seasonality in Eastern North America

- XY0500;** EGU2008-A-11304; IS29 - NH1.1/AS4.08-1WE5P-0500
Todini, G.; Rizzi, R.; Bozzo, A.; Maestri, T.; Tosi, E.
Cloudsat data analysis. Detection of snowfall on ice surfaces combining microwave and infrared channels
- XY0501;** EGU2008-A-11309; IS29 - NH1.1/AS4.08-1WE5P-0501
Kucera, P.
Satellite and Surface Observations of Rainfall Characteristics in West Africa
- XY0502;** EGU2008-A-01459; IS29 - NH1.1/AS4.08-1WE5P-0502
Chen, B.C.; Yang, H.Y.; Ying, M.Y.
Climatic changes of landfall tropical cyclones in China over the past 58 years
- XY0503;** EGU2008-A-06322; IS29 - NH1.1/AS4.08-1WE5P-0503
Ahn, S.H.; Kim, B.J.; Kim, J.Y.; Shin, S.S.
The Characteristics of the Disasters caused by Typhoons passing through the Sea Area around the Korean Peninsula
- XY0504;** EGU2008-A-12131; IS29 - NH1.1/AS4.08-1WE5P-0504
Tao, W-K
A multi-scale modeling system with unified physics
- XY0505;** EGU2008-A-12132; IS29 - NH1.1/AS4.08-1WE5P-0505
Carty, H.; Kuo, K.; Smith, E.; Tanelli, S.
Intercomparison of Airborne APR-2 Precipitation Retrievals with Corresponding Satellite Retrievals from TRMM and CloudSat
- XY0506;** EGU2008-A-12151; IS29 - NH1.1/AS4.08-1WE5P-0506
Kuo, K.; **Smith, E.**
Realistic Particle Designs for Ice Particle Scattering Calculations
- XY0507;** EGU2008-A-12153; IS29 - NH1.1/AS4.08-1WE5P-0507
Tripoli, G.
The influence of precipitation on the strength of a tornadic vortex
- XY0508;** EGU2008-A-12201; IS29 - NH1.1/AS4.08-1WE5P-0508
Casella, D.; Formenton, M.; Sanò, P.; **Mugnai, A.**
Microwave single-scattering properties of randomly oriented soft-ice hydrometeors
- XY0509;** EGU2008-A-12212; IS29 - NH1.1/AS4.08-1WE5P-0509
Mehta, A.; Yang, S.
Precipitation Climatology over Mediterranean Basin from TRMM
- XY0510;** EGU2008-A-12213; IS29 - NH1.1/AS4.08-1WE5P-0510
Mehta, A.
Exploring Influence of Tropical Storm Frequency over the Gulf of Mexico - Caribbean Sea Basin on Summer Season Rainfall over the U.S.
- XY0511;** EGU2008-A-12215; IS29 - NH1.1/AS4.08-1WE5P-0511
Mugnai, A.; Casella, D.; Dietrich, S.; Di Paola, F.; Formenton, M.; Porcù, F.; Sanò, P.
Heavy precipitation measurement from combined microwave and infrared satellite data: Application to case studies of the European FLASH project
- XY0512;** EGU2008-A-12300; IS29 - NH1.1/AS4.08-1WE5P-0512
Hashino, T.; **Tripoli, G.**
Evolution of Particle Size Distribution and Ice Crystal Habit
- XY0513;** EGU2008-A-12306; IS29 - NH1.1/AS4.08-1WE5P-0513
Leung, W.; **Tripoli, G.;** Smith, E.; Mugnai, A.
Potential Reduction of Uncertainty in Precipitation Retrieval by the Inclusion of Dynamical, Thermodynamical, and Hydrological Constraints
- XY0514;** EGU2008-A-12353; IS29 - NH1.1/AS4.08-1WE5P-0514
Tokay, A.; **Wolff, D.;** Marks, D.; Kasparis, T.
Physical and Climatological Radar Rainfall Relations in Florida
- XY0515;** EGU2008-A-12354; IS29 - NH1.1/AS4.08-1WE5P-0515
Rustemaier, E.; **Tokay, A.;** Bringi, V.; Huang, G.; Schönhuber, M.; Hudak, D.; Skofronick-Jackson, G.; Petersen, W.; Bataliga, A.
Snow Size Distribution Measurements in Southern Ontario, Canada
- XY0516;** EGU2008-A-12355; IS29 - NH1.1/AS4.08-1WE5P-0516
Meneghini, R.
Some approaches to validating TRMM and GPM radar products and algorithms
- XY0517;** EGU2008-A-12356; IS29 - NH1.1/AS4.08-1WE5P-0517
Meneghini, R.
Use of dual-wavelength radar data to assess single-wavelength radar methods
- XY0518;** EGU2008-A-12357; IS29 - NH1.1/AS4.08-1WE5P-0518
Yang, S.; **Smith, E.**
Persistent Multiple Diurnal Modes of Precipitation from TRMM Measurements
- XY0519;** EGU2008-A-12358; IS29 - NH1.1/AS4.08-1WE5P-0519
Yang, S.
Rainfall Diurnal Cycle and Possible Connections to ENSO
-
- IS68 - NH1.4/AS1.07 Lightning and its Atmospheric Effects (co-organized by NH & AS)**
Convener: Betz, H.
Co-Convener(s): Yair, Y., Price, C., Soula, S., Neubert, T., Fullekrug, M.
Lecture Room 17
Chairperson: BETZ, H.-D.
- 8:30–8:45;** EGU2008-A-04432; IS68 - NH1.4/AS1.07-1WE10-001
Coleman, L.; **Stolzenburg, M.;** Marshall, T.; Stanley, M.
Horizontal channel propagation in the initial stage of cloud-to-ground lightning
- 8:45–9:00;** EGU2008-A-08375; IS68 - NH1.4/AS1.07-1WE10-002
Maggio, C.; **Marshall, T.;** Stolzenburg, M.
Energy estimates for lightning flashes
- 9:00–9:15;** EGU2008-A-12225; IS68 - NH1.4/AS1.07-1WE10-003
Adamo, C.; Formenton, M.; **Mugnai, A.**
An investigation of lightning/microphysics relationships by means of a cloud electrification model: Application to the FLASH project case studies
- 9:15–9:30;** EGU2008-A-07063; IS68 - NH1.4/AS1.07-1WE10-004
Berthelie, J.-J.; Simoes, F.; Pommereau, J.-P.
Observation of charged aerosol layers and distant lightning from electric field measurements onboard balloons

9:30–9:45; EGU2008-A-12268; IS68 - NH1.4/AS1.07-1WE10-005

Arnold, F.; Nau, R.; Reichl, U.; Muschik, Ch.; Fiedler, V.; Aufmhoff, A.; Roiger, A.; Schlager, H.; Lederle, Ch.; Kindersberger, J.

Lightning induced aerosol formation: First aircraft and lightning laboratory measurements of gaseous and ionic acidic aerosol precursors

9:45–10:00; EGU2008-A-03847; IS68 - NH1.4/AS1.07-1WE10-006

Kasparian, J.; Ackermann, R.; Andre, YB; Mechain, G; Mejean, G; Prade, B; Rohwetter, P; Salmon, E; Schlie, LA; Stelmaszczyk, K; The Teramobile team
Filament-induced electric events in thunderstorms

10:00 COFFEE BREAK

Chairperson: PRICE, C.

10:30–10:45; EGU2008-A-10790; IS68 - NH1.4/AS1.07-1WE20-001

Held, G.; Morimoto, T.; Kawasaki, Z.; Naccarato, K.P.
The Importance of locating intra-cloud Lightning Flashes for nowcasting of severe Thunderstorms in the State of São Paulo:

10:45–11:00; EGU2008-A-01571; IS68 - NH1.4/AS1.07-1WE20-002

Lynn, B.; **Yair, Y.**

Lightning Power Index: A new tool for predicting the lightning density and the potential for extreme rainfall

11:00–11:15; EGU2008-A-02495; IS68 - NH1.4/AS1.07-1WE20-003

Price, C.; Asfur, M; Yair, Y

Lightning activity in Atlantic hurricanes

11:15–11:30; EGU2008-A-03375; IS68 - NH1.4/AS1.07-1WE20-004

Antonescu, B.; Carbutaru, C.D.; Burcea, S.

Cloud-to-ground lightning activity in Romania from 2003 to 2005

11:30–11:45; EGU2008-A-03032; IS68 - NH1.4/AS1.07-1WE20-005

Varga, B.; Ablonczy, D.

Objective comparisons between the SAFIR and LINET networks in Hungary

11:45–12:00; EGU2008-A-02562; IS68 - NH1.4/AS1.07-1WE20-006

Betz, H. D.; Defer, E.; Schmidt, K.; Oettinger, W. P.; Wuerl, A.; Dziewit, Z.; Gajda, W.; Laroche, P.; Blanchet, P.; Dombai, F.

Cloud Lightning Observed with VLF/LF and VHF Networks

12:00 LUNCH BREAK

Chairperson: YAIR, Y.

13:30–13:45; EGU2008-A-11838; IS68 - NH1.4/AS1.07-1WE30-001

van der Velde, O.; Soula, S.; Montanya, J.; Romero, D.; Chanrion, O.; Neubert, T.; Pineda, N.; Gangneron, F.; Meyerfeld, Y.

TLEs Observations during the summer and fall Eurosprite 2007 campaign in South-Western France and North-Eastern Spain

13:45–14:00; EGU2008-A-07556; IS68 - NH1.4/AS1.07-1WE30-002

Chanrion, O.; **Neubert, T.**

Particle simulations of electron acceleration in electric discharges in air

14:00–14:15; EGU2008-A-11821; IS68 - NH1.4/AS1.07-1WE30-003

Nelson, M.; Triplett, L.; Colman, J; Roussel-Dupre, R
Modeling of Optical Emissions from Red Sprites

14:15–14:30; EGU2008-A-01641; IS68 - NH1.4/AS1.07-1WE30-004

Bór, J.; Hobara, Y.; Satori, G.; Hayakawa, M.; Betz, H.D.

Preliminary results of TLE observations from Hungary in 2007 supported by LINET

14:30–14:45; EGU2008-A-05377; IS68 - NH1.4/AS1.07-1WE30-005

Takahashi, Y.; Sakanoi, T.; Sato, M.; Kondo, S.; Yoshida, K.; Sakamoto, Y.; Ujiie, E.; Takashima, T.; Inan, U.; Smith, D.

SPRITE-SAT mission for sprites and TGFs studies

14:45–15:00; EGU2008-A-08005; IS68 - NH1.4/AS1.07-1WE30-006

Chanrion, O.; Neubert, T.; Stenbaek-Nielsen, H.

Particle simulations of optical emissions in sprite streamers

15:00 END OF SESSION

IS68 - NH1.4/AS1.07 Lightning and its Atmospheric Effects (co-organized by NH & AS) – Posters

Convener: Betz, H.

Co-Convener(s): Yair, Y., Price, C., Soula, S., Neubert, T., Fullekrug, M.

Display Time: Wednesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: SOULA, S.

XY0520; EGU2008-A-01600; IS68 - NH1.4/AS1.07-1WE4P-0520

Asano, T.; Hiraki, Y.; Mareev, E.; Cho, M.; Hayakawa, M.

ES/EM computer simulation on the mesospheric optical emissions associated with lightning discharges.

XY0521; EGU2008-A-01645; IS68 - NH1.4/AS1.07-1WE4P-0521

Bór, J.; Toth, J.; Satori, G.; Betz, H.D.

Simultaneous sprite observations from Sopron, Hungary and Modra, Slovakia

XY0522; EGU2008-A-04764; IS68 - NH1.4/AS1.07-1WE4P-0522

Odzimek, A.; **Rycroft, M. J.**

Modelling some mesospheric effects of lightning discharges

XY0523; EGU2008-A-04785; IS68 - NH1.4/AS1.07-1WE4P-0523

Vadislavsky, E.; **Yair, Y.;** Ehrlich, C.; Price, C.; Yaniv, R.; Ganot, M.; Reicher, N.; Ziv, B.

Indications for a circular symmetry in the 3-dimensional structure of column sprites

XY0524; EGU2008-A-06118; IS68 - NH1.4/AS1.07-1WE4P-0524

Ostgaard, N.; Gjesteland, T; Stadsnes, J; Connell, PH; Carlson, B

The production altitude and time delays of the terrestrial gamma flashes – revisiting the BATSE spectra

XY0525; EGU2008-A-10443; IS68 - NH1.4/AS1.07-1WE4P-0525

Gjesteland, T.; Østgaard, N; Connell, P. H.; Stadsnes, J.

Temporal behaviour of Terrestrial Gamma ray Flashes

XY0526; EGU2008-A-01756; IS68 - NH1.4/AS1.07-1WE4P-0526
Myokei, K.; Hayakawa, M.; Asano, T.; Sekiguchi, M.; Matudo, Y.; Suzuki, T.
Monthly variation and the dependence on surface air temperature of morphology of winter sprites in the Hokuriku area of Japan

XY0527; EGU2008-A-02225; IS68 - NH1.4/AS1.07-1WE4P-0527
Biron, D.; Laquale, P.; De Leonibus, L.
Rainfall Field Reconstruction over Italy through Lightning Data

XY0528; EGU2008-A-03421; IS68 - NH1.4/AS1.07-1WE4P-0528
Schmidt, K.; Meyer, V.; Betz, H. D.; Oettinger, W. P.
Investigation of Site Errors in the Lightning Detection System LINET

XY0529; EGU2008-A-03477; IS68 - NH1.4/AS1.07-1WE4P-0529
Grewe, V.
Lightning: Is its impact decreasing? - An ensemble simulation from 1960 to 2020

XY0530; EGU2008-A-04417; IS68 - NH1.4/AS1.07-1WE4P-0530
Fischer, G.; Gurnett, D.A.; Kurth, W.S.; Averkamp, T.; Farrell, W.M.; Lecacheux, A.
Time scales of Saturn lightning: from microseconds to years

XY0531; EGU2008-A-04998; IS68 - NH1.4/AS1.07-1WE4P-0531
Pishvaei, M. R.; Afsharnaderi, H. R.; Haqdel, A.
Lightning Detection Instrument with Computerized Numbering Logger in Southern Iran

XY0532; EGU2008-A-05763; IS68 - NH1.4/AS1.07-1WE4P-0532
Chronis, T.
Evidence of thunderstorm modulation over the continental U.S. by the solar cycle

XY0533; EGU2008-A-08131; IS68 - NH1.4/AS1.07-1WE4P-0533
Nielsen, J. K.; Larsen, N.; Chistensen, T.; Khayki, S.; Pommereau, J. P.
Alternative interpretation of combined backscatter and humidity measurements of stratospheric particles during the SCOUT-AMMA balloon campaign

XY0534; EGU2008-A-12269; IS68 - NH1.4/AS1.07-1WE4P-0534
Dietrich, S.; Di Paola, F.
Lightning-based temporal propagation and cloud-life adjustment of MW-estimated precipitation fields: Application to a FLASH project case study

XY0535; EGU2008-A-12396; IS68 - NH1.4/AS1.07-1WE4P-0535
Markovic, D.; Hauf, T.
Study on total lightning and flight characteristics during thunderstorm occurrences

NH4.10 Time, intensity and scaling in landslide hazard assessment

Convener: Catani, F.
Co-Convener(s): Katz, O., Zezere, J., MALET, J., Aharonov, E.
Lecture Room 25
Chairperson: CATANI, F.

15:30–16:00; EGU2008-A-07833; NH4.10-1WE4O-001
Korup, O.
Landslide scaling properties – at or beyond the limit? (solicited)

16:00–16:15; EGU2008-A-07921; NH4.10-1WE4O-002
Guzzetti, F.; Ardizzone, F.; Cardinali, M.; Galli, M.; Reichenbach, P.; Rossi, M.; Valigi, D.
A new landslide area-to-volume relationship, and its application to the evaluation of landslide volumes in the Collazzone area, Central Italy (solicited)

16:15–16:30; EGU2008-A-00886; NH4.10-1WE4O-003
Kalderon-Asael, B.; Katz, O.; Aharonov, E.; Marco, S.
Controls on landslides size-distribution; relation between area and volume of landslides

16:30–16:45; EGU2008-A-02745; NH4.10-1WE4O-004
Cecinato, F.; Zervos, A.
Thermo-mechanical modelling for velocity prediction in catastrophic landslides

16:45–17:00; EGU2008-A-06083; NH4.10-1WE4O-005
Avolio, M.V.; Lupiano, V.; Mazzanti, P.; Bozzano, F.; **Di Gregorio, S.**
SCIDDICA-SS1, a preliminary cellular model for combined subaerial-subaqueous flow-like landslides: first simulations of the 1997 Albano lake (Rome, Italy) debris-flow

17:00 COFFEE BREAK

Chairperson: KATZ, O.

17:30–17:45; EGU2008-A-11028; NH4.10-1WE5O-001
Tofani, V.; Catani, F.
Characterization of landslide intensity in the Arno river basin, Italy

17:45–18:00; EGU2008-A-04352; NH4.10-1WE5O-002
Zvelebil, J.; Nechyba, M.; Palus, M.
Automated monitoring and forecasting of rock fall danger in space and time: practical field experience

18:00–18:15; EGU2008-A-06367; NH4.10-1WE5O-003
Bai, S.B.; Wang, J.; Lu, G.N.; Kanevski, M.; Pozdnoukhov, A.
Gis-based landslide susceptibility mapping with comparisons of results from machine learning methods process versus logistic regression in bailongjiang river basin, china

18:15–18:30; EGU2008-A-07020; NH4.10-1WE5O-004
Malet, J.-P.; Garel, E.; Travelletti, J.; Pradzynska, D.M.; Hocine-Debieche, T.; Emblanch, C.; Bogaard, T.A.; Sailhac, P.; Grandjean, G.; Jaboyedoff, M.
Field-scale infiltration experiments to understand landslide hydrology and mechanics: multi-source results obtained on the Super-Sauze and Laval landslides.

18:30–18:45; EGU2008-A-11115; NH4.10-1WE5O-005
Sandric, I.; Chitu, Z.; Mihai, B.; Savulescu, I.
Modeling spatio-temporal patterns using temporal Bayesian dynamic networks with uncertainty propagation. Case study: landslide hazard in Breaza town, Romania

18:45–19:00; EGU2008-A-11183; NH4.10-1WE5O-006
Marques, R.; Zêzere, J.L.; Amaral, P.; Trigo, R.; Queiroz, G.; Gaspar, J.L.
Preliminary developments and implementation of an early warning system for landslides based on real-time ground based meteorological monitoring in Povoação County (S. Miguel, Azores)

19:00 END OF SESSION

NH4.13 Landslide risk assessment methods and strategies (including Sergey Soloviev Medal Lecture)

Convener: Reichenbach, P.
Co-Convener(s): Guenther, A., Guzzetti, F.
Lecture Room 25
Chairperson: GUZZETTI, F.

8:30–8:45; EGU2008-A-11018; NH4.13-1WE1O-001
Romstad, B.; Harbitz, C.B.; Domaas, U.; Blikra, L.H.; Midttømme, G.H.

Lakes at risk: A bottom-up approach to rock slide hazard assessment

8:45–9:00; EGU2008-A-00019; NH4.13-1WE1O-002
Closson, D.; Abou karaki, N.

Landslides along the Jordanian coast of the Dead Sea triggered by the lake level lowering

9:00–9:15; EGU2008-A-05802; NH4.13-1WE1O-003
shieh, c.l.s.; tsang, y.c.t

urgent mitigation strategies for landslide dam hazards. : a case study in taiwan

9:15–9:30; EGU2008-A-05379; NH4.13-1WE1O-004
Mazova, R.

Influence of landslide initial localization to runup of induced tsunami wave

9:30–9:45; EGU2008-A-00850; NH4.13-1WE1O-005
Colangelo, A. C.

Relief unity emulator applied to slope stability analysis

9:45–10:00; EGU2008-A-08400; NH4.13-1WE1O-006
Horton, P.; Bardou, E.; Jaboyedoff, M.

Debris flow hazard assessment at a regional scale

10:00 COFFEE BREAK

Chairperson: GUZZETTI, F.

10:30–10:40 Presentation of the EGU Sergey Soloviev Medal for 2008 to Theo van Asch (Malamud, B.D., Petley, D. N.)

10:40–11:25; EGU2008-A-04659; NH4.13-1WE2O-002

Van Asch, Th.W.

Some issues and challenges in landslide hazard modeling (Sergey Soloviev Medal Lecture) (solicited)

11:25–11:40; EGU2008-A-07075; NH4.13-1WE2O-003
Malet, J.-P.; Thénot, A.; Maquaire, O.; van Beek, C.L.; Oenema, O.

Inventory of landslide risk assessment methodologies in Europe.

11:40–11:55; EGU2008-A-12200; NH4.13-1WE2O-004

Hervás, J.; Günther, A.; Reichenbach, P.; Guzzetti, F.; Chacón, J.; Pasuto, A.; Trigila, A.; Malet, J.P.; Tagliavini, F.
Towards a common approach for mapping areas susceptible to landslides in Europe

11:55–12:10; EGU2008-A-01398; NH4.13-1WE2O-005

Frattini, P.; Crosta, G.B.; Carrara, A.

Techniques for the evaluation and comparison landslide susceptibility models

12:10–12:25; EGU2008-A-04925; NH4.13-1WE2O-006

Van Den Eeckhaut, M.; Reichenbach, P.; Guzzetti, F.; Carrara, A.; Rossi, M.; Poesen, J.

Landslide susceptibility zonation in the Flemish Ardennes, Belgium, using multiple statistical models and different mapping units

12:25 LUNCH BREAK

Chairperson: GUENTHER, A.

13:30–13:45; EGU2008-A-07176; NH4.13-1WE3O-001

Rossi, M.; Guzzetti, F.; Peruccacci, S.; Reichenbach, P.; Cardinali, M.; Ardizzone, F.

A statistical modelling tool in R for the evaluation of landslide susceptibility

13:45–14:00; EGU2008-A-07538; NH4.13-1WE3O-002

Oliveira, S.C.; Zêzere, J.L.; Garcia, R.A.C

The control of statistical data-driven methods in landslide susceptibility assessment: the case of Lage - Salema basins, north of Lisbon, Portugal

14:00–14:15; EGU2008-A-10861; NH4.13-1WE3O-003

Heckmann, T.; Becht, M.

Exploring the transferability of statistical susceptibility models for mass movements

14:15–14:30; EGU2008-A-07444; NH4.13-1WE3O-004

Glisci, C.; Spilotro, G.

The calibration in the landslides hazard previsional models

14:30–14:45; EGU2008-A-04047; NH4.13-1WE3O-005

Bach, D.; Adler, R.; Hong, Y.

Satellite-based Algorithm for Landslide Hazard Risk Assessment: A Global and Regional Approach

14:45 END OF SESSION

NH5.4 Earthquake and Tsunami Early Warnings (co-listed in SM, TS & OS)

Convener: Zschau, J.
Co-Convener(s): Tinti, S.
Lecture Room 28
Chairperson: ZSCHAU, J.

13:30–13:45; EGU2008-A-02638; NH5.4-1WE3O-001

Di Giacomo, D.; Grosser, H.; Parolai, S.; Wang, R.; Bormann, P.

Rapid determination of energy magnitude from P-waves of teleseismic seismograms

13:45–14:00; EGU2008-A-04939; NH5.4-1WE3O-002

Delouis, B.; Charlety, J.; Vallée, M.

Fast determination of earthquake source parameters from strong motion records: Mw, focal mechanism, and slip distribution

14:00–14:15; EGU2008-A-06753; NH5.4-1WE3O-003

Cua, G.; Maechling, P.; CISN Earthquake Early Warning Group

Evaluating and comparing performance of earthquake early warning algorithms

14:15–14:30; EGU2008-A-07081; NH5.4-1WE3O-004

Milkereit, C.; The SAFER and EDIM work groups

The Self-Organising Seismic Early Warning Information Network, a new concept

14:30–14:45; EGU2008-A-07001; NH5.4-1WE3O-005

Picozzi, M.; The SAFER and EDIM work groups

Seismological and early warning activities of the SOSEWIN

14:45–15:00; EGU2008-A-10878; NH5.4-1WE3O-006

Zollo, A.; Iannaccone, G.; Convertito, V.; Elia, L.; Festa, G.; Lancieri, M.; Martino, C.; Satriano, C.; Gasparini, P.

Development and testing of an earthquake early warning system in southern Italy

15:00 COFFEE BREAK

Chairperson: TINTI, S.

15:30–15:45; EGU2008-A-00487; NH5.4-1WE40-001

Koehler, N.; Wenzel, F.; Boese, M.
PreSEIS - Applications to a Neural Network Approach for Earthquake Early Warning

15:45–16:00; EGU2008-A-09780; NH5.4-1WE40-002

Rudloff, A.; Lauterjung, J.; Muench, U.; Acksel, D.J.; & GITEWS Project Team, .
The german contribution to the Indian Ocean tsunami early warning system GITEWS – Status quo

16:00–16:15; EGU2008-A-01878; NH5.4-1WE40-003

Behrens, J.; Androsov, A.; Harig, S.; Klaschka, F.; Men-trup, L.; Pranowo, W. S.; Cui, H. Y.; Schröter, J.; Hiller, W.
Design and performance testing of a multi-sensor quick assimilation technique for tsunami early warning in the GITEWS simulation system

16:15–16:30; EGU2008-A-04935; NH5.4-1WE40-004

Brune, S.; Babeyko, A. Y.; Sobolev, S. V.
Using tiltmeters for early warning of tsunamis generated by huge submarine landslides

16:30–16:45; EGU2008-A-06228; NH5.4-1WE40-005

Rivera, L.; Kanamori, H.
Rapid source inversion of W phase for tsunami warning

16:45–17:00; EGU2008-A-07561; NH5.4-1WE40-006

Tinti, S.; Armigliato, A.; Bressan, L.; Manucci, A.; Pagnoni, G.; Zaniboni, F.
An algorithm for the detection of tsunami signals on sea-level records

17:00 END OF SESSION

NH5.4 Earthquake and Tsunami Early Warnings (co-listed in SM, TS & OS) – Posters

Convener: Zschau, J.

Co-Convener(s): Tinti, S.

Display Time: Wednesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: FLEMING, K.

XY0536; EGU2008-A-06557; NH5.4-1WE5P-0536

Charl  y, J.; Vall  e, M.; Delouis, B.
Fast Source Parameter Estimation from Green Function Deconvolution: Application to Shallow Earthquakes

XY0537; EGU2008-A-01523; NH5.4-1WE5P-0537

Babeyko, A. Y.; Hoechner, A.; Sobolev, S. V.
Modeling tsunami generation for local tsunami early warning in Indonesia

XY0538; EGU2008-A-01862; NH5.4-1WE5P-0538

Stempniewski, L.; Tyagunov, S.; R  nnau, C.
Decision support tool for seismic risk mitigation in earthquake prone areas

XY0539; EGU2008-A-02075; NH5.4-1WE5P-0539

Trendafiloski, G.; Wyss, M.; Rosset, P.
New loss estimation module implemented in QUAKELOSS2: Case study M6.6 Bam earthquake

XY0540; EGU2008-A-02459; NH5.4-1WE5P-0540

Rosset, P.; Trendafiloski, G.; Wyss, M.
Use of seismic wave propagation data for loss estimates in QUAKELOSS2: from regional to local

XY0541; EGU2008-A-02680; NH5.4-1WE5P-0541

Hoechner, A.; Babeyko, A. Y.; Sobolev, S. V.
GPS-based inversion: a sensitivity analysis and application to past and possible events

XY0542; EGU2008-A-02711; NH5.4-1WE5P-0542

Luckett, R.; Ottemoller, L.; Baptie, B.; Whitmore, P
A Tsunami Warning System for the Northeast Atlantic

XY0543; EGU2008-A-02780; NH5.4-1WE5P-0543

Fleming, K.; SAFER and EDIM work groups
Outline of the Self-Organising Seismic Early Warning Information Network

XY0544; EGU2008-A-07275; NH5.4-1WE5P-0544

Fleming, K.; The SAFER and EDIM work groups
Generation of alert and shake maps from data provided by the Self-Organising Seismic Early Warning Information Network

XY0545; EGU2008-A-04909; NH5.4-1WE5P-0545

Korolev, Yu.
On the creation of a local tsunami early warning service.

XY0546; EGU2008-A-05033; NH5.4-1WE5P-0546

Ionescu, C.; **Marmureanu, A.;** Marmureanu, G.
The first European early warning system (EWS) for deep strong Vrancea earthquakes is working

XY0547; EGU2008-A-05408; NH5.4-1WE5P-0547

Lobkovsky, L.; Kisel'man, B.; Mazova, R.
Possibility of strong earthquake and tsunamis in zone of residual seismic gap in region of Central Kuriles

XY0548; EGU2008-A-05740; NH5.4-1WE5P-0548

Christophersen, A.; Wiemer, S.
Would you sleep in a tent after a moderate earthquake in your neighbourhood?

XY0549; EGU2008-A-06321; NH5.4-1WE5P-0549

Papadopoulos, G.A.
NATNEG: the national tsunami network of Greece

XY0550; EGU2008-A-06426; NH5.4-1WE5P-0550

Raveloson, R.; Sodoudi, F.; Kind, R.
Broadband Seismometers are good tsunameter

XY0551; EGU2008-A-07207; NH5.4-1WE5P-0551

Michelini, A.; Faenza, L.; Lauciani, V.
ShakeMap   Implementation in Italy

XY0552; EGU2008-A-07558; NH5.4-1WE5P-0552

Satriano, C.; Zollo, A.; Iannaccone, G.; RISSC-Lab
The Irpinia Seismic Network (ISNet): a modern facility for earthquake early warning

XY0553; EGU2008-A-09099; NH5.4-1WE5P-0553

W  chter, J; **L  we, P.;** H  ner, R
The Distant Early Warning System (DEWS) Project - A standard-based Reference Model for Integrated Tsunami Early Warning Systems

XY0554; EGU2008-A-09218; NH5.4-1WE5P-0554

Heglmeier, S.; Lichtblau, B.; Nachtigall, J.; The SAFER and EDIM work groups
The Self-Organizing Seismic Early Warning Information Network: Network Software

XY0555; EGU2008-A-09310; NH5.4-1WE5P-0555

Krueger, F.; Ohrnberger, M.; Roessler, D.
Rupture Imaging of Large Earthquakes With a Poststack Isochrone Migration Method

XY0556; EGU2008-A-09493; NH5.4-1WE5P-0556

K  hnlenz, F.; The SAFER and EDIM work groups
Simulating the behaviour of the Self-Organising Seismic Early Warning Information Network

XY0557; EGU2008-A-10071; NH5.4-1WE5P-0557

Lancieri, M.; Zollo, A.

A probabilistic evolutionary approach for the real-time magnitude estimation from the early P and S wave displacement peaks

XY0558; EGU2008-A-11538; NH5.4-1WE5P-0558

Vogfjörð, K. S.; Pétursson, G. G.; Kjartansson, E.; Slunga, R.; Ágústsson, K.; Hjaltadóttir, S.; Gudmundsson, G. B.; Roberts, M.J.; Geirsson, H.; Ármannsdóttir, S. Seismic and tsunami early warning activities in Iceland.

XY0559; EGU2008-A-11686; NH5.4-1WE5P-0559

Zulfikar, A.C.; Cagnan, Z.; Sesetyan, K.; Demircioglu, M.; Durukal, E.; Erdik, M. Development of a Shake Map Archive for Recent Earthquakes in Turkey

XY0560; EGU2008-A-11820; NH5.4-1WE5P-0560

Dardala, M.; Smeureanu, I.; Reveiu, A.

Developing geographical information system using software components technologies

XY0561; EGU2008-A-12384; NH5.4-1WE5P-0561

Iervolino, I.; Galasso, C.; Manfredi, G.

Toward EEW engineering applications: lead-time maps for the ISNet infrastructure in the Campanian region (southern Italy)

IS34 - NH8.4/BG2.16 Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized by NH & BG; co-listed in SSS) – Posters

Convener: Lasaponara, R.

Co-Convener(s): Telesca, L., McKenzie, D., Millington, J.

Display Time: Wednesday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: LASAPONARA, R. - TELESKA, L.

XY0562; EGU2008-A-03897; IS34 - NH8.4/BG2.16-1WE3P-0562

Tesi, E.; Marchi, E.; Brachetti Montorselli, N.; Bonora, L.; Conese, C.; Romani, M.

Forest fire prevention and suppression: an integrate risk index to improve management and planning actions

XY0563; EGU2008-A-00248; IS34 - NH8.4/BG2.16-1WE3P-0563

Keane, R.; Loehman, R

Impact of simulated changes in climate on fire regimes, vegetation, and wildlife habitat on landscapes of Glacier National Park, USA

XY0564; EGU2008-A-00237; IS34 - NH8.4/BG2.16-1WE3P-0564

Buitrago, M.F.; van Langevelde, F.; Carmona-Moreno, C.; Bregt, A.; Bergsma, A.; Groen, T.

Predicting the occurrence of fires in Africa

XY0565; EGU2008-A-00814; IS34 - NH8.4/BG2.16-1WE3P-0565

Jayen, K.; Gauthier, S.; Leduc, A.; Bergeron, Y.

Factors influencing canopy closure after fire in boreal forest in Québec, Canada

XY0566; EGU2008-A-01686; IS34 - NH8.4/BG2.16-1WE3P-0566

Coluzzi, R.; Lanorte, A.; Didonna, I.

Satellite-based Mapping Fuel type Patterns

XY0567; EGU2008-A-02535; IS34 - NH8.4/BG2.16-1WE3P-0567

Lanorte, A.; Lasaponara, R.; Telesca, L.

Variation of the vegetation response to two successive fires

XY0568; EGU2008-A-02771; IS34 - NH8.4/BG2.16-1WE3P-0568

Corral, A.; Lasaponara, R.; Telesca, L.

Scaling and correlations in the dynamics of forest-fire occurrence

XY0569; EGU2008-A-03539; IS34 - NH8.4/BG2.16-1WE3P-0569

Ghermandi, L.; Telesca, L.; de Torres Curth, M.; Franzese, J. Characterization of time dynamics in fire sequences observed in Patagonia, Argentina

XY0570; EGU2008-A-03576; IS34 - NH8.4/BG2.16-1WE3P-0570

Suomi, I.; Nurmi, P.; Vajda, A.

Evaluation of a new high-resolution forest fire index in Finland

XY0571; EGU2008-A-04155; IS34 - NH8.4/BG2.16-1WE3P-0571

Ghermandi, L.; Franzese, J.; Gonzales, S.; de Torres Curth, M.

Non linear ecological processes, fires, environmental heterogeneity and shrubs invasion in NW Patagonia, Argentina

XY0572; EGU2008-A-06196; IS34 - NH8.4/BG2.16-1WE3P-0572

Freeborn, P.H.; Wooster, M.J.; Malamud, B.D.; Roberts, G.; Govaerts, Y.M.; Lattanzio, A.

Characterizing the diurnal cycle of fire activity across Africa in 2004 using frequency-magnitude analyses

XY0573; EGU2008-A-07969; IS34 - NH8.4/BG2.16-1WE3P-0573

Romero-Calcerrada, R. ; Barrio-Parra, F.; Millington, J.D.A.; Novillo, C.J.

Spatial modelling of the influence of human activity on wildfire ignition risk in a Mediterranean landscape

XY0574; EGU2008-A-09912; IS34 - NH8.4/BG2.16-1WE3P-0574

Merino-de-Miguel, S.; Huesca, M.; González-Alonso, F.

Mapping forest fires in Spain using MODIS reflectance and active fire data

XY0575; EGU2008-A-10734; IS34 - NH8.4/BG2.16-1WE3P-0575

Lanorte, A.; Lasaponara, R.

Fire danger estimation based on MODIS data for alpine and sub-alpine ecosystems of Northern Italy

XY0576; EGU2008-A-10796; IS34 - NH8.4/BG2.16-1WE3P-0576

Lanorte, A.; Lasaponara, R.

Monitoring vegetation post fire recovery by using PCA and SPOT/VEGETATION NDVI time series

XY0577; EGU2008-A-10865; IS34 - NH8.4/BG2.16-1WE3P-0577

Sirca, C.; Spano, D.; Duce, P.

Performances of fire risk indices in a Mediterranean region

XY0578; EGU2008-A-10894; IS34 - NH8.4/BG2.16-1WE3P-0578

Millington, J.; Wainwright, J.; Perry, G; **Romero-Calcerrada, R.;** Malamud, B

An Integrated Socio-Ecological Simulation Model of Succession-Disturbance Dynamics in a Mediterranean Landscape

XY0579; EGU2008-A-11777; IS34 - NH8.4/BG2.16-1WE3P-0579

Lasaponara, R.; **Lanorte, A.**

Fire danger monitoring using satellite MODIS images: the case of 2007 fire summer season in the Basilicata Region (Southern Italy)

XY0580; EGU2008-A-11826; IS34 - NH8.4/BG2.16-1WE3P-0580
Lanorte, A.; Lasaponara, R.
 Multiscale characterization of fuel pattern using multisensor remote sensing data

XY0581; EGU2008-A-11827; IS34 - NH8.4/BG2.16-1WE3P-0581
Lasaponara, R.; Lanorte, A
 Comparison of post fire vegetation pattern using satellite SPOT/VGT time series and in situ data analysis: study of a large wildfire in Sardinia Island

XY0582; EGU2008-A-11975; IS34 - NH8.4/BG2.16-1WE3P-0582
Keane, R.E.; Loehman, R.
 Impact of simulated changes in climate on fire regimes, vegetation, and wildlife habitat on landscapes of Glacier National Park, USA.

XY0583; EGU2008-A-12116; IS34 - NH8.4/BG2.16-1WE3P-0583
Conese, C.; Carlà, R.; Bonora, L.
 Detection of small fire affected areas by satellite data

XY0584; EGU2008-A-12117; IS34 - NH8.4/BG2.16-1WE3P-0584
Solans Vila, J. P.; Barbosa, P.
 Post-fire vegetation regrowth detection in the deiva marina region (Liguria-Italy) using Landsat TM and ETM+ data

XY0585; EGU2008-A-12170; IS34 - NH8.4/BG2.16-1WE3P-0585
Mouillot, F.; Field, C. B.
 Global fire history and related carbon budget for the 20th century

IS35 - NH8.5/AS4.03/CL48 Wildfires, Weather and Climate (co-organized by NH, AS & CL; co-listed in GM & SSS)

Convener: Pereira, M.
 Co-Convener(s): Trigo, R., Wotton, M.
 Lecture Room 28
 Chairperson: WOTTON, M., TRIGO, R., PEREIRA, M.

8:30–9:00; EGU2008-A-01671; IS35 - NH8.5/AS4.03/CL48-1WE1O-001
Amiro, B.
 Boreal forest fire and climate change: do we know the net impacts? (solicited)

9:00–9:15; EGU2008-A-07436; IS35 - NH8.5/AS4.03/CL48-1WE1O-002
Carvalho, A.; Flannigan, M.; Logan, K.; Miranda, A.I.; Borrego, C.
 Fire weather risk over Portugal under a changing climate scenario

9:15–9:30; EGU2008-A-02282; IS35 - NH8.5/AS4.03/CL48-1WE1O-003
Girardin, M.P.; Mudelsee, M.
 Past and future changes in Canadian boreal wildfire activity

9:30–9:45; EGU2008-A-11511; IS35 - NH8.5/AS4.03/CL48-1WE1O-004
Moritz, M.; Krawchuk, M.
 Global pyrogeography: Macro-scaled models of fire-climate relationships for understanding current and future conditions

9:45–10:00; EGU2008-A-11988; IS35 - NH8.5/AS4.03/CL48-1WE1O-005
Viegas, D. X.; Abrantes, T.; Ribeiro, L. M.; Santo, F. E.; Viegas, M. T.; Silva, J.
 Fire weather in the last five years fire seasons in Portugal

10:00 COFFEE BREAK

Chairperson: PEREIRA, M., WOTTON, M., TRIGO, R.

10:30–10:45; EGU2008-A-08366; IS35 - NH8.5/AS4.03/CL48-1WE2O-001
Altava-Ortiz, V.; Llasat, M.C.; Castro, F.X.; Montserrat, D.; Gabriel, E.; Canyameres, E.
 First approach on estimating the meteorological contribution to the wildfire risk level enhancement. Application to the Wildfire Risk Map confection in Catalonia

10:45–11:00; EGU2008-A-09331; IS35 - NH8.5/AS4.03/CL48-1WE2O-002
Fiorucci, P.; Gaetani, F.; Minciardi, R.; D'Andrea, M.
 Analysis of fire regime variability in connection with inter-annual climate variability in Mediterranean areas

11:00–11:15; EGU2008-A-10123; IS35 - NH8.5/AS4.03/CL48-1WE2O-003
DaCamara, C.C.; Calado, T.J.; Trigo, R.M.; Pereira, M.G.; Gouveia, C.
 Modelling fire risk in Continental Portugal

11:15–11:30; EGU2008-A-09697; IS35 - NH8.5/AS4.03/CL48-1WE2O-004
Heil, A.; Rast, S; Schultz, MG
 The influence of El Niño on fires and fire emissions in Indonesia

11:30–11:45; EGU2008-A-04156; IS35 - NH8.5/AS4.03/CL48-1WE2O-005
Ceccato, P.; Someshwar, S.; Nengah Surati Jaya, I.; Qian, J.H.; Ebrahimian, E.
 Climate forecast, early warning and response to peatland fires in Central Kalimantan, Indonesia

11:45–12:00; EGU2008-A-04323; IS35 - NH8.5/AS4.03/CL48-1WE2O-006
Wang, Y.; Flannigan, M; **Anderson, K**
 Correlation between forest fires in the province of British Columbia, Canada and the Pacific Ocean sea surface temperature

12:00 END OF SESSION

IS35 - NH8.5/AS4.03/CL48 Wildfires, Weather and Climate (co-organized by NH, AS & CL; co-listed in GM & SSS) – Posters

Convener: Pereira, M.
 Co-Convener(s): Trigo, R., Wotton, M.
 Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 13:30–15:00
 Poster Area Halls X/Y
 Chairperson: TRIGO, R., PEREIRA, M., WOTTON, M.

XY0586; EGU2008-A-04398; IS35 - NH8.5/AS4.03/CL48-1WE3P-0586
Wotton, M.; Nock, C; Flannigan, M
 The impacts of climate change on forest fire occurrence in Canada

XY0587; EGU2008-A-09367; IS35 - NH8.5/AS4.03/CL48-1WE3P-0587
Le Page, Y.; van der Werf, G.; Turkman, K.F.; Pereira, J.M.C
 An observation-derived fire model for estimating past and future fire activity

XY0588; EGU2008-A-07848; IS35 - NH8.5/AS4.03/CL48-1WE3P-0588

Founda, D.; Giannakopoulos, C.; Sarantopoulos, A.; Petrakis, M.; Zerefos, C.

Estimating present and future fire risk in Greece: Links with the destructive fires of summer 2007

XY0589; EGU2008-A-01626; IS35 - NH8.5/AS4.03/CL48-1WE3P-0589

Bonacci, O.; Gottstein, S.; Roje-Bonacci, T.; Vuletia, J.

Effects of wildfire on hydrology, erosion processes and ecology on karst environment: case of the island of Hvar (Croatia)

XY0590; EGU2008-A-01394; IS35 - NH8.5/AS4.03/CL48-1WE3P-0590

Timár, G.; Kern, A.; Molnár, G.; Németh, Á.; Konkoly-Bihari, Z.; Szalai, S.; Bognár, P.; Virágh, P.

Leaf loss and wildfires in the central Hungarian forests during the July 2007 heat wave in MODIS satellite images

XY0591; EGU2008-A-11739; IS35 - NH8.5/AS4.03/CL48-1WE3P-0591

Castellnou, M.; Miralles, M.; Held, A.; Kraus, D.

Spatial analysis of wildfire patterns with a logic based fire behaviour prediction system - an analytical method using wildfire patterns and fire behaviour signatures to identify critical points of high risk potential

XY0592; EGU2008-A-04169; IS35 - NH8.5/AS4.03/CL48-1WE3P-0592

Erpicum, M.; Fettweis, X.; Mabilie, G.; François, L.

Automatic weather pattern classification (1958-2007) applied to an analysis of climatic conditions of wildfires. The case of eastern Belgium (peaty heathlands)

XY0593; EGU2008-A-04244; IS35 - NH8.5/AS4.03/CL48-1WE3P-0593

Bugalho, L.; Pessanha, L.; Café, B.; Tavares, R.; Sanchez, J. Monitoring forest fire in Portugal with the Combined Forest Fire Risk Index (ICRIF)

XY0594; EGU2008-A-08193; IS35 - NH8.5/AS4.03/CL48-1WE3P-0594

Durao, R.; Horta, A.; Pereira, M.J.; Soares, A.

Direct Sequential Simulation approaches for mapping the meteorological risk of fire over Portugal.

XY0595; EGU2008-A-04115; IS35 - NH8.5/AS4.03/CL48-1WE3P-0595

Trigo, R.M.; Pereira, M.G.; DaCamara, C.C.; Pereira, J.M.; Ramos, A.

The role of meteorological and climate anomalies in recent summer time fire events in Portugal

XY0596; EGU2008-A-11362; IS35 - NH8.5/AS4.03/CL48-1WE3P-0596

Pereira, M. G.; Trigo, R. M.; Malamud, B. D.; DaCamara, C. C.

Ecoregions and wildfire regimes in Continental Portugal

XY0597; EGU2008-A-11094; IS35 - NH8.5/AS4.03/CL48-1WE3P-0597

Flamant, C.; Chazette, P.; Mari, C.; and the FIREMEX group, .

The Fire Mediterranean Experiment (FIREMEX) initiative

XY0598; EGU2008-A-09000; IS35 - NH8.5/AS4.03/CL48-1WE3P-0598

Csiszar, I.; Giglio, L.; Justice, C.

The MODIS global active fire data record and its continuity with past and future space-based observations

NH9.3 Vulnerability analysis in natural hazards and risk assessments – Posters

Convener: Glade, T.

Co-Convener(s): Birkmann, J.

Display Time: Wednesday, 08:00–19:30

Authors in Attendance: Wednesday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: GLADE, T.

XY0599; EGU2008-A-00090; NH9.3-1WE2P-0599

Petrova, E.

Natural-technological disasters in concept of vulnerability

XY0600; EGU2008-A-00477; NH9.3-1WE2P-0600

Armas, I.; Dumitrascu, S.

Risk representation in the assessment of disaster mitigation

XY0601; EGU2008-A-04716; NH9.3-1WE2P-0601

Teramo, A.; De Domenico, D.; Marullo, A.; Minutoli, C.; Saccà, C.; Termini, D.

Interdisciplinary approaches for the evaluation of territorial criticalities.

XY0602; EGU2008-A-11567; NH9.3-1WE2P-0602

Mercuri, C.

Urban systems vulnerability and risk evaluation: a quickly approach.

XY0603; EGU2008-A-08019; NH9.3-1WE2P-0603

Jaganathan, R; Bhaskaran, G

Hazard Mapping and Vulnerability Analysis in Northern Tamil Nadu Coastal Region, India: A Geoinformatics Approach

XY0604; EGU2008-A-08306; NH9.3-1WE2P-0604

Neuhold, C.; Nachtnebel, H.-P.

Detailed residual risk assessment in an Austrian municipality

XY0605; EGU2008-A-11521; NH9.3-1WE2P-0605

Masson, E.

Vulnerability analysis using a stake oriented GIS: The Ivry-la-Bataille case study (Eure basin, France).

XY0606; EGU2008-A-10161; NH9.3-1WE2P-0606

Gunasekera, R; Spence, R

Population vulnerability and risk ranking of European volcanoes for insurance applications

XY0607; EGU2008-A-08381; NH9.3-1WE2P-0607

Gisladottir, G.; Erlendsson, E.; Lal, R.

Terrestrial vulnerability to volcanic hazards in Reykjanes, southwest Iceland.

XY0608; EGU2008-A-08463; NH9.3-1WE2P-0608

Pfurtscheller, C.; Schwarze, R.

What can save us from catastrophic loss? A multivariate analysis of the factors of socio-economic vulnerability against floods in Tyrol/Austria.

XY0609; EGU2008-A-10079; NH9.3-1WE2P-0609

Fuchs, S.; Agosti, L.; Dall'Amico, M.; Rosati, G.

Risk analysis for debris flows – a case study from Cancia, Italy

XY0610; EGU2008-A-09651; NH9.3-1WE2P-0610

Biolchi, S.; Rondi, V.; Mereu, A.; Cleva, S.

Assessment of slope protection works in the middle Eastern part of the Friuli Venezia Giulia Region (Italy) from “CGT” Project data

XY0611; EGU2008-A-03089; NH9.3-1WE2P-0611

Turer, D.; Nefeslioglu, H.A.; Zorlu, K.; Gokceoglu, C.

An example of how geology-geomorphology affects life of a province: Zonguldak (NW Turkey)

XY0612; EGU2008-A-06377; NH9.3-1WE2P-0612
Gullà, G.; Petrucci, O.
An approach to vulnerability assessment based on historical data of landslide damage

XY0613; EGU2008-A-06967; NH9.3-1WE2P-0613
Polemio, M.; Casarano, D.; Limoni, P. P.
Intrinsic and integrated aquifer vulnerability of a karstic aquifer (Murgia, Southern Italy)

XY0614; EGU2008-A-07021; NH9.3-1WE2P-0614
Corbelli, V.; Manos, B.; Patrikaki, O.; Polemio, M.; Sapi-
ano, M.; Voudouris, K.
Aquifer vulnerability maps and decision support systems for
the sustainable management of groundwater resources in the
Mediterranean area

XY0615; EGU2008-A-08906; NH9.3-1WE2P-0615
Gleyze, J.F.
Using structural approach to understand transportation
networks vulnerability

XY0616; EGU2008-A-01208; NH9.3-1WE2P-0616
Lari, S.; Crosta, G.B.; Frattini, P.; Agliardi, F.
A probabilistic local-scale multi-risk analysis

XY0617; EGU2008-A-04711; NH9.3-1WE2P-0617
Saccà, C.; Marullo, A.; Teramo, A.; Teramo, M. S.
A site specific approach to the incremental dynamic analysis

NH10.3 Modelling and simulation of dangerous phenom- ena, and innovative techniques for hazard evaluation, mapping, mitigation

Convener: Iovine, G.
Co-Convener(s): Sheridan, M., Pastor, M., McArdeLL, B.
Lecture Room 17
Chairperson: MC ARDELL, B.

15:30–15:45; EGU2008-A-01833; NH10.3-1WE4O-001
Stecchi, F.; Mancini, F.; Antonellini, M.; Gabbianelli, G.
Risk assessment of subsiding areas in the city of Tuzla (BiH)

15:45–16:00; EGU2008-A-02860; NH10.3-1WE4O-002
Charbonnier, S; **Gertisser, R**
Computational modelling of pyroclastic density currents
using the TITAN2D simulation code: examples from Merapi
Volcano, Indonesia

16:00–16:15; EGU2008-A-02644; NH10.3-1WE4O-003
Ciraudo, A.; Del Negro, C.; Dragoni, M.; Tallarico, A.;
Vicari, A.
A cellular automata model for the formation of lava tubes

16:15–16:30; EGU2008-A-07705; NH10.3-1WE4O-004
Bouvarel, R.; **Chambon, G.;** Laigle, D.; Naaim, M.
Numerical simulations of granular free surface flows using
Smooth Particle Hydrodynamics (SPH)

16:30–16:45; EGU2008-A-01403; NH10.3-1WE4O-005
Nsom, B.
Effect of the rheological parameters of a clayous mud on its
inertial dam-break flow

16:45–17:00; EGU2008-A-08694; NH10.3-1WE4O-006
Georgoudas, I.G.; **Sirakoulis, G.Ch.;** Scordilis, E.M.;
Andreadis, I.
Long-range interaction in a two-dimensional cellular
automata model of fundamental seismic attributes and
parametric optimisation with the use of genetic algorithms

17:00 COFFEE BREAK

Chairperson: MC ARDELL, B.

17:30–17:45; EGU2008-A-11312; NH10.3-1WE5O-001
Tapia, R.; Huguenot, P.E.; Kanevski, M.
Sequential gaussian simulations for indoor radon risk
mapping using declustering and constrained nets

17:45–18:00; EGU2008-A-09373; NH10.3-1WE5O-002
Skøien, J.O.; Pebesma, E. J.
Real-time mapping in emergency situations – some prelimi-
nary results

18:00–18:15; EGU2008-A-03671; NH10.3-1WE5O-003
Hristopulos, D.T.; Chorti, A.; Spiliopoulos, G.; Petrakis, E.
Systematic detection of anisotropy in spatial data obtained
from environmental monitoring networks

18:15–18:30; EGU2008-A-04641; NH10.3-1WE5O-004
Langousis, A.; Veneziano, D.
Rainfall hazard from tropical cyclones

18:30–18:45; EGU2008-A-03725; NH10.3-1WE5O-005
Sieck, K.; Jacob, D.; Tomassini, L.
Ensemble simulations with the regional climate model
REMO

18:45–19:00; EGU2008-A-01856; NH10.3-1WE5O-006
Jiménez-Perálvarez, J.; Irigaray, C.; El Hamdouni, R.;
Fernández, P.; Chacón, J.
Help for the script: Susceptibility and Validation Models
for automatic landslide susceptibility analysis, mapping and
validation in ArcGIS

19:00 END OF SESSION

Thursday

NH4.7 Rockfalls and large catastrophic landslides

Convener: Crosta, G.
Co-Convener(s): Berger, F., Dorren, L., Volkwein, A.,
Evans, S., Clague, J.
Lecture Room 17
Chairperson: BERGER, F., DORREN, L., VOLKWEIN, A.

Rockfalls: Analysis, Simulation and Protection

13:30–13:45; EGU2008-A-08546; NH4.7-1TH3O-002
Loye, A.; Pedrazzini, A.; Jaboyedoff, M.
Regional potential rockfall mapping using LiDAR-based
slope frequency distribution and cone-fall modelling

13:45–14:00; EGU2008-A-08903; NH4.7-1TH3O-003
Vilajosana, I.; Suriñach, E.; Khazaradze, G.; Abellán, A.;
García, D.; Llosa, J.
Rock fall induced seismic signals: case study in Montserrat
(Spain)

14:00–14:15; EGU2008-A-01881; NH4.7-1TH3O-004
Marussich, D.; Zini, L.; **Devoto, S.**
Rockfall hazard evaluation and risk management : an
example of a comprehensive approach in northern Italy

14:15–14:30; EGU2008-A-06560; NH4.7-1TH3O-005
Abdallah, C.; Boukheir, R.; Chorowicz, J.
Spatial representation and volumetric mapping of block falls
using GIS-based decision-tree models

14:30–14:45; EGU2008-A-04094; NH4.7-1TH3O-006
Pichler, B.; **Hellmich, Ch.;** Mang, H.A.
Vertical impact of single rocks onto gravel layers

14:45–15:00; EGU2008-A-09791; NH4.7-1TH3O-007
Denk, M.; Schellenberg, K.; Volkwein, A.; Roth, A.
New Cushion Concepts for Protective Layers on Rockfall Galleries

15:00 COFFEE BREAK

Chairperson: CROSTA, G.B., EVANS, S.G., LAGUE, J.C.

Large Catastrophic Landslides: Their Hazard and Risk

15:30–15:45; EGU2008-A-04376; NH4.7-1TH4O-002
Sausgruber, J.Th.; Preh, A.; Poisel, R.
The Bunzskögele kink band slump

15:45–16:00; EGU2008-A-05186; NH4.7-1TH4O-003
Chigira, M.; Matsumoto, M.
Potential sites of large, catastrophic landslides in non-glaciated areas from the view point of slope development

16:00–16:15; EGU2008-A-08348; NH4.7-1TH4O-004
Waldmann, N.; Simpson, G.; Ariztegui, D.; Hansen, L.; Chapron, E.; Vasskog, K.; Nesje, A.
Merging historical and geophysical datasets to model catastrophic mass wasting and tsunami events in the Nordfjord region of western Norway

16:15–16:30; EGU2008-A-07515; NH4.7-1TH4O-005
Le Roux, O.; Schwartz, S.; Jongmans, D.; Gamond, J.F.; Carcaillet, J.; Brauchet, R.; Bourlès, D.
Cosmic Ray Exposure (CRE) method to constrain the dynamic of gravitational movements in the southern part of the Belledonne massif (French Alps)

16:30–16:45; EGU2008-A-03902; NH4.7-1TH4O-006
Uchida, T.; Suzuki, R.; Tamura, K.
The role of bedrock geology, rock uplift rate and topography on large catastrophic landslide occurrence

16:45–17:00; EGU2008-A-02709; NH4.7-1TH4O-007
Crosta, G.B.; Agliardi, F.; Frattini, P.; Zanchi, A.
Alpine inventory of Deep-Seated Gravitational Slope Deformations

17:00 END OF SESSION

NH4.8 Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures

Convener: FRANZI, L.
Co-Convener(s): Arattano, M., Tagliavini, F.
Lecture Room 17
Chairperson: FRANZI, L.

17:30–17:45; EGU2008-A-03469; NH4.8-1TH5O-001
Scheidl, C.; Rickemann, D.
Simulation of debris flow deposition areas using a single flow routing algorithm

17:45–18:00; EGU2008-A-09827; NH4.8-1TH5O-002
Berti, M.; **Mammoliti, M.;** Simoni, A.
Testing capabilities and limitations of a model for the prediction of debris flow inundated areas

18:00–18:15; EGU2008-A-03472; NH4.8-1TH5O-003
Calligaris, C.; **Boniello, M.;** Zini, L.
Hazard management in Val Canale valley

18:15–18:30; EGU2008-A-04811; NH4.8-1TH5O-004
Marcato, G.; Mantovani, M.; Fujisawa, K.; Pasuto, A.; Tagliavini, F.; Silvano, S.; Zabusky, L.
Monitoring, modelling and mitigation of the Moscardo landslide (Eastern Italian Alps)

18:30–18:45; EGU2008-A-11886; NH4.8-1TH5O-005
Spanou, N.; Paschos, P.; Meidani, M.
GIS-based mapping of landslide prone areas: A case study at Aetomilitsa, western Hellas

18:45–19:00; EGU2008-A-06458; NH4.8-1TH5O-006
Arai, M.
Occurrence condition of the viscous debris flow

19:00 END OF SESSION

NH4.9 Characterization, monitoring and early warning related to large landslides (co-listed in GI)

Convener: Blikra, L.
Co-Convener(s): Froese, C., Jaboyedoff, M.
Lecture Room 17
Chairperson: BLIKRA, L

8:30–8:45; EGU2008-A-04506; NH4.9-1TH1O-001
Woldearegay, K.
Characteristics of a large-scale landslide triggered by heavy rainfall in Tarmaber area, central highlands of Ethiopia

8:45–9:00; EGU2008-A-08818; NH4.9-1TH1O-002
Casagli, N.; **Del Ventisette, C.;** Mannucci, G.; La Rocca, L.; Ballini, A.; Antonello, G.; Fortuny-Guasch, J.; Tarchi, D.; Leva, D.
Ground-based interferometry for monitoring an active rockslide in the Italian Alps

9:00–9:15; EGU2008-A-11709; NH4.9-1TH1O-003
Thoeny, R.; Loew, S.; Evans, K.
Dynamic fluid electric conductivity logging for identification and characterization of preferential groundwater flow in the Aknes rockslide (Norway)

9:15–9:30; EGU2008-A-05915; NH4.9-1TH1O-004
Toll, D.G.; The MUSE Team
Soil suction monitoring for landslides

9:30–9:45; EGU2008-A-10397; NH4.9-1TH1O-005
Ronchetti, F.; Borgatti, L.; Cervi, F.; Corsini, A.; Leuratti, E.
Timing and pattern of slope failure events at the source area of earth slides: evidence from continuous monitoring of a case study in the northern Apennines

9:45–10:00; EGU2008-A-08676; NH4.9-1TH1O-006
Glimsdal, S.; Saelevik, G.; Harbitz, C. B.; Jensen, A.; Pedersen, G. K.; Gauer, P.; Domaas, U.; Lovholt, F.
Modelling the tsunami from the potential Åknes rock slide; laboratory experiments and numerical simulations

10:00 END OF SESSION

NH4.9 Characterization, monitoring and early warning related to large landslides (co-listed in G1) – Posters

Convener: Blikra, L.
Co-Convener(s): Froese, C., Jaboyedoff, M.
Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 10:30–12:00

Poster Area Halls X/Y
Chairperson: JABOYEDOFF, M

XY0342; EGU2008-A-08637; NH4.9-1TH2P-0342

Boehme, M.; Henderson, I.; Saintot, A.
Rockslide investigations in Sogn & Fjordane, Norway

XY0343; EGU2008-A-10670; NH4.9-1TH2P-0343

Saintot, A.; Henderson, I.; Böhme, M.
Slope unstabilities in U-shaped glacial valleys: Sunndalen and Romsdalen (western Norway)

XY0344; EGU2008-A-10628; NH4.9-1TH2P-0344

Pedrazzini, A.; **Jaboyedoff, M.;** Froese, C.; Moreno, F.; Langenberg, W.
Structures and failure mechanisms analysis of Turtle Mountain using remote sensing and monitoring data

XY0345; EGU2008-A-08508; NH4.9-1TH2P-0345

Jaboyedoff, M.; Böhme, M.; Blikra, L.; Derron, M.-H.; Henderson, I.; Oppikofer, T.; Saintot, A.

Geological and structural interpretation of Åknes Landslide

XY0346; EGU2008-A-06748; NH4.9-1TH2P-0346

Oppikofer, T.; Jaboyedoff, M.; Derron, M.-H.; Blikra, L.-H.
Terrestrial laser scanning for the characterization of moving slopes

XY0347; EGU2008-A-12180; NH4.9-1TH2P-0347

Blikra, L.H.; Jøgerud, K.; Hole, J.; Bergeng, T.
The Åknes/Tafjord project – Monitoring and implementation of early-warning systems

XY0348; EGU2008-A-06197; NH4.9-1TH2P-0348

Gerhardsen, A.G.; Krangnes, L.K.
Data management and presentation of geotechnical data

XY0349; EGU2008-A-05139; NH4.9-1TH2P-0349

Norland, R.
Groundbased interferometric radar measurements for monitoring of unstable slopes

XY0350; EGU2008-A-09148; NH4.9-1TH2P-0350

Fogolino, L.; **Lovisol, M.;** Blikra, L.H.
Early-Warning System software for the integrated handling of subsurface monitoring (DMS) of the Åknes rockslide

XY0351; EGU2008-A-08930; NH4.9-1TH2P-0351

Frei, Ch.; Herfort, M.; Loew, S.; Leuenberger-West, F.
First results of a large-scale multi-tracer test within an unstable rockslide area (Åknes, Norway)

XY0352; EGU2008-A-09306; NH4.9-1TH2P-0352

Roth, M.; Blikra, L. H.
Microseismic monitoring at the Aaknes rock slope, Norway

XY0353; EGU2008-A-03090; NH4.9-1TH2P-0353

Mertl, S.; Brückl, E.; Brunner, F.K.
Characteristics of micro-earthquakes caused by deep-seated mass movements

XY0354; EGU2008-A-04469; NH4.9-1TH2P-0354

k.FUJISAWA, k.F.; **j.Ohara, j.O.;** **k.Higuchi, k.H.;** **y.Fujiwara, y.F.;** **h.Yamamoto, h.Y.;** **s.Yamakoshi, s.Y.;** **k.Murakami, k.M.;** **s.Isizaki, s.I.;** **a.Pasuto, a.P.;** **g.Marcato, g.M.**

Development of landslide monitoring system by use of optical fiber extensometer and its field applications

XY0355; EGU2008-A-00044; NH4.9-1TH2P-0355

Matti, B.
Modelling the efficiency of a drainage gallery work in a large landslide with respect to hydrogeological and geomechanical parameter heterogeneity

NH4.10 Time, intensity and scaling in landslide hazard assessment – Posters

Convener: Catani, F.

Co-Convener(s): Katz, O., Zezere, J., MALET, J., Aharonov, E.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: ZÊZERE, J.-L.

XY0356; EGU2008-A-01061; NH4.10-1TH2P-0356

Goren, L.; Aharonov, E.
scaling of runout distances of landslides: the role of frictional heating and hydrolic diffusivity (cancelled)

XY0357; EGU2008-A-03692; NH4.10-1TH2P-0357

Van Asch, Th.W.; Malet, J.-P.; Maquaire, O.
Evaluation and testing of hydro-mechanical models describing slump failure and potential for liquefaction

XY0358; EGU2008-A-06428; NH4.10-1TH2P-0358

Pereira, S.; Zêzere, J.L.; Bateira, C.
Empirically-based rainfall thresholds for debris flows and mud flows occurrence in the North of Portugal

XY0359; EGU2008-A-07095; NH4.10-1TH2P-0359

Arnaud, F.; **Malet, J.-P.;** Maquaire, O.; Berger, F.
Impacts of vegetation on shallow landslide activity in the South French Alps.

XY0360; EGU2008-A-07320; NH4.10-1TH2P-0360

Remaître, A.; Malet, J.-P.; van Asch, T.; Laigle, D.; Maquaire, O.
Debris-flow triggering, run-out and spreading scenario modelling for hazard analysis.

XY0361; EGU2008-A-05633; NH4.10-1TH2P-0361

Germer, K.; Färber, A.; Braun, J.
Studies on slope failure processes in a laboratory flume

XY0362; EGU2008-A-08581; NH4.10-1TH2P-0362

Chen, S.C.; **Wang, Y.P.**
The Characteristics of Landslides in Shihmen, Dajia and Kaoping Watershed in Taiwan

XY0363; EGU2008-A-08721; NH4.10-1TH2P-0363

Rossi, M.; Wainwright, J.; Guzzetti, F.; Malamud, B.D.
Simulating landslide frequency-magnitude relationships

XY0364; EGU2008-A-10088; NH4.10-1TH2P-0364

Holland, R.; Neuwirth, B.; Bell, R.; Glade, T.
Spatiotemporal reconstruction of a landslide in the Swabian Alb (Southwest Germany) – A dendrogeomorphological approach

XY0365; EGU2008-A-10809; NH4.10-1TH2P-0365

Chitu, Z.; Sandric, I.; Mihai, B.; Savulescu, I.; Ilinca, V.
Estimation of temporal landslide occurrence using historical aerial images in The Subcarpathians of Prahova Valley, Romania

XY0366; EGU2008-A-07312; NH4.10-1TH2P-0366

Amaral, P.; Marques, R.; Zêzere, J. L.; Marques, F.; Queiroz, G.
Geotechnical and hydrological characterization of pyroclastic soils in Povoação County (S. Miguel island, Azores) for modelling rainfall-triggered shallow landslides

XY0367; EGU2008-A-11056; NH4.10-1TH2P-0367
Leoni, L.; Segoni, S.; Cinti, L.; Falorni, G.; Catani, F.
Assessment of an infinite slope stability approach for shallow landslides: validation and sensitivity analyses

XY0368; EGU2008-A-12217; NH4.10-1TH2P-0368
Catani, F.; Falorni, G.; Leoni, L.; Segoni, S.
Watershed-based landslide yield assessment as a new basis for model validation

NH4.13 Landslide risk assessment methods and strategies (including Sergey Soloviev Medal Lecture) – Posters

Convener: Reichenbach, P.
Co-Convener(s): Guenther, A., Guzzetti, F.
Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 10:30–12:00

Poster Area Halls X/Y
Chairperson: REICHENBACH, P.

XY0369; EGU2008-A-04579; NH4.13-1TH2P-0369
Dewitte, O.; Demoulin, A.
Combining high-resolution spatial data in landslide mapping: a fuzzy-set-based approach in W Belgium

XY0370; EGU2008-A-10167; NH4.13-1TH2P-0370
Kohn, C.; Bell, R.; Glade, T.; Stemle, D.
The potential of road construction department archives for the establishment of landslide inventories

XY0371; EGU2008-A-08411; NH4.13-1TH2P-0371
Thiery, Y.; Malet, J.-P.; Remaître, A.; Maquaire, O.
Spatial validation of statistical models of landslide susceptibility

XY0372; EGU2008-A-09948; NH4.13-1TH2P-0372
Petschko, H.; Bell, R.; Glade, T.; Tilch, N.; Koçi, A.
Spatial Prediction of landslide hazards - a case study in Gasen/Haslau – Eastern Styria, Austria

XY0373; EGU2008-A-06337; NH4.13-1TH2P-0373
Constantin, M.; Ciupitu, D.; **Jurchescu, M.C.**
The susceptibility assessment of shallow landslides in the Panatau Basin (The Buzau Subcarpathians), Romania

XY0374; EGU2008-A-07486; NH4.13-1TH2P-0374
Garcia, R.A.C.; Zêzere, J. L.; Oliveira, S.C.
The influence of terrain units in landslide susceptibility assessment: a case study in the Abadia Basin (Portugal)

XY0375; EGU2008-A-00956; NH4.13-1TH2P-0375
Toossi, M.; Koorkinejad, M.
landslide hazard zonation in Shirinabad watershed, Iran

XY0376; EGU2008-A-00897; NH4.13-1TH2P-0376
Pachauri, A.K.
Landslide Hazard Zonation in Himalayas

XY0377; EGU2008-A-09445; NH4.13-1TH2P-0377
Katz, O.; Hecht, H.; Petranker, G.; Almog, E.
Retreat rate of the Israeli coastal cliff and its estimated location at year 2100

XY0378; EGU2008-A-02895; NH4.13-1TH2P-0378
Pleshakov, D.; **Matsiy, S.**
Landslide sites investigation of motor-roads on the basis of the optimum risk method

XY0379; EGU2008-A-07528; NH4.13-1TH2P-0379
Ozdemir, H.
GIS-based Landslide Risk Analysis in the Havran River Basin (Western Turkey)

XY0380; EGU2008-A-07083; NH4.13-1TH2P-0380
Etienne, D.; Malet, J.-P.; Puissant, A.; Maquaire, O.
Landslide consequence assessment and mapping using quantitative data on elements at risk.

XY0381; EGU2008-A-03150; NH4.13-1TH2P-0381
Ohara, J.; Fujisawa, K.; Sano, T.; Sugiyama, R.; Harada, T.; Ueno, Y.; Pasuto, A.; Marcato, G.
Impact on society of a landslide and emergency response taken to mitigate its impact

XY0382; EGU2008-A-09822; NH4.13-1TH2P-0382
García-Rodríguez, M.J.; Malpica, J.A.; Benito, B.
Assessment of earthquake- triggered landslides in El Salvador based on an Artificial Neural Networks (ANN) model

NH5.1 Seismic hazard evaluation, precursory phenomena and reliability of prediction (co-listed in SM & TS)

Convener: Contadakis, M.
Co-Convener(s): Biagi, P., Zschau, J.
Lecture Room 28
Chairperson: CONTADAKIS, M.E.

8:30–8:45; EGU2008-A-07303; NH5.1-1TH1O-001
Kossobokov, V.; Romashkova, L.; Nekrasova, A.
Targeting the next mega-earthquake (solicited)

8:45–9:00; EGU2008-A-01954; NH5.1-1TH1O-002
Rundle, J.; Turcotte, D.; Holliday, J.; **Van Aalsburg, J**
A Stress Dependent BASS Model for Earthquakes, Damage and Fracture

9:00–9:15; EGU2008-A-04619; NH5.1-1TH1O-003
Wiemer, S.; Schorlemmer, D.; Marzocchi, W.; Woessner, J.
Prospective Testing of Earthquake Forecast Models in Europe: The CSEP Euro-Med Testing Center

9:15–9:30; EGU2008-A-05792; NH5.1-1TH1O-004
Wu, Z. L.; Jiang, C. S.
Retrospective forecasting test of a statistical physics model for earthquakes in Sichuan-Yunnan region of Southwest China

9:30–9:45; EGU2008-A-06086; NH5.1-1TH1O-005
Minadakis, G.; Daskalaki, E.; Orfanogiannaki, K.; **Papadopoulos, G.A.**
An algorithm for the short-term prediction of the mainshock from foreshocks (solicited)

9:45–10:00; EGU2008-A-07078; NH5.1-1TH1O-006
Vallianatos, F.
Seismic Hazard estimation and non extensive thermodynamics

10:00 COFFEE BREAK

Chairperson: BIAGI, P.

10:30–10:45; EGU2008-A-00113; NH5.1-1TH2O-001
Korepanov, V.; Lizunov, G.
Seismoionospheric coupling and earthquakes forecast probability

10:45–11:00; EGU2008-A-00847; NH5.1-1TH2O-002
Sengor, T.
The electromagnetic device optimization modeling of seismo-electromagnetic processes for Marmara Sea earthquakes

11:00–11:15; EGU2008-A-01955; NH5.1-1TH2O-003
Van Aalsburg, J; **Rundle, J;** Rundle, P; Turcotte, D; Mor-
ein, G; Donnellan, A
Computing Earthquake Forecast Probabilities Using Numer-
ical Simulations of the Physics of Realistic Fault Systems
(Virtual California) (solicited)

11:15–11:30; EGU2008-A-08284; NH5.1-1TH2O-004
Slunga, R.
Earthquake Forecasts (Warnings, Predictions) based on
Rock Mechanics (Stresses).

11:30–11:45; EGU2008-A-04548; NH5.1-1TH2O-005
Kovalevsky, V.; Tatkov, G.; Tubanov, S.; Bazarov, A.
Vibro seismic monitoring of the seismic active central part of
Baikal rift zone

11:45–12:00; EGU2008-A-05412; NH5.1-1TH2O-006
Cagatay, N.; Belucci, L.; Polonia, A.; Sancar, Ü.; Dikce, D.;
Eris, K.; Damci, E.; Gasperini, L.; Görür, N.; Henry, P.;
Marnaut Scientific Team
Sedimentary earthquake records in the Sea of Marmara

12:00 LUNCH BREAK

Chairperson: ZSCHAU, J.

13:30–13:45; EGU2008-A-04624; NH5.1-1TH3O-001
Telesca, L.; Lovallo, M.
Non-uniform scaling behaviour in seismic temporal fluctu-
ations of central Italy and signatures of possible precursory
patterns (solicited)

13:45–14:00; EGU2008-A-09346; NH5.1-1TH3O-002
Benito, B.; Gaspar-Escribano, J. M.; García Rodríguez, M.
J.; Rivas Medina, A.; Pérez Escalante, M.; Murphy, P.;
Tsige, M.
Seismic hazard assessment of Navarre (Northern Spain)

14:00–14:15; EGU2008-A-10634; NH5.1-1TH3O-003
Flores-Marquez, E. L.; Marquez-Cruz, J.; Valdes, C.;
Jimenez, C.; Angulo-Brown, F.
Statistical distribution of seismic event occurrences along
five years at the Guerrero Pacific coast, Mexico.

14:15–14:30; EGU2008-A-10038; NH5.1-1TH3O-004
Bonfanti, P.; Bovini, S.; **Italiano, F.;** Lemmi, M.; Mar-
tinelli, G.
1997-2007: the first example of a long-term geochemical
monitoring. results and perspectives from the Umbria region
seismic area

14:30–14:45; EGU2008-A-11194; NH5.1-1TH3O-005
Battiston, R.; **Fidani, C.**
Searching for correlation between NOAA particle data and
seismic activity

14:45–15:00; EGU2008-A-00736; NH5.1-1TH3O-006
Dumitrascu, S.; **Armas, I.**
The historical center of the Bucharest Municipality – spatial
modeling in urban disasters

15:00 END OF SESSION

NH5.2 Electric, magnetic and electromagnetic phenom- ena related to earthquakes (co-listed in SM & TS)

Convener: Biagi, P.
Co-Convener(s): Hayakawa, M., Molchanov, O., Val-
lianatos, F.
Lecture Room 28
Chairperson: BIAGI, P.F.

15:30–15:45; EGU2008-A-02138; NH5.2-1TH4O-001
Stanica, D.; Stanica, D.A.; Vladimirescu, N.; Popescu, M.
Ground-based monitoring technique used to emphasize
the precursory electromagnetic marks associated to the
Vrancea's intermediate depth earthquakes (Romania)

15:45–16:00; EGU2008-A-03778; NH5.2-1TH4O-002
Varotsos, P.; Sarlis, N.; Skordas, E.; Lazaridou, M.
Recent advances in the analysis of Seismic Electric Signals
(SES) in natural time

16:00–16:15; EGU2008-A-01457; NH5.2-1TH4O-003
Hayakawa, M.; Horie, T.; Molchanov, O. A.; Parrot, M.
The presence and structures of ionospheric perturbations
associated with the 2004 Sumatra earthquake, as seen from
ground- and satellite-based VLF transmitter signals.

16:15–16:30; EGU2008-A-01458; NH5.2-1TH4O-004
Muto, F.; Horie, T.; Yoshida, M.; **Hayakawa, M.;** Rozh-
noi, A.; Solovieva, M.; Molchanov, O. A.; Parrot, M.
Ground- and satellite-based LF transmitter signal observa-
tions of ionospheric perturbations for the Miyagi-ken oki
earthquake (2005 August 16).

16:30–16:45; EGU2008-A-07919; NH5.2-1TH4O-005
Hattori, K.; Kaida, D; Yoshino, C
Global noise reduction of ULF geomagnetic data using sin-
gular spectral analysis and principal component analysis of
the reduced data for the 2000 Izu Earthquake Swarm in Japan

16:45–17:00; EGU2008-A-04399; NH5.2-1TH4O-006
Angulo-Brown, F.; **Flores-Márquez, L.;** Gálvez-Coyt, G.;
Guzmán-Vargas, L.; Ramírez-Rojas, A.
Statistical features of seismoelectric signals prior to an M =
7.3 earthquake in México

17:00 COFFEE BREAK

Chairperson: HAYAKAWA, M.

17:30–17:45; EGU2008-A-08377; NH5.2-1TH5O-001
Ouzounov, D.; Pulnits, S; Parrot, M; Cervone, G; Habib, S;
Policelli, F; Taylor, P
Surveying the Natural Hazards from Space and the Earth's
Electromagnetic Environment

17:45–18:00; EGU2008-A-11694; NH5.2-1TH5O-002
Blecki, J.; Parrot, M.; Berthelier, J-J.; Slominska, E.;
Slominski, J.; Wronowski, R.
Search of the some characteristics of the low frequency
turbulence observed by Demeter satellite in the ionosphere
over the seismic regions

18:00–18:15; EGU2008-A-06509; NH5.2-1TH5O-003
Boudjada, M.Y.; Schwingenschuh, K.; Biernat, H.K.;
Berthelier, J.J.; Parrot, M.; Stangl, G.; Prattes, P.; Wein-
grill, J.
Study of ELF/VLF ionospheric emissions observed by
DEMETER/ICE experiment over seismic regions

18:15–18:30; EGU2008-A-06454; NH5.2-1TH5O-004
Onishi, T.; Berthelier, J.-J.
Post-seismic electrostatic plasma turbulence observed by
DEMETER

18:30–18:45; EGU2008-A-01259; NH5.2-1TH5O-005
Rozhnoi, A.; Solovieva, M.; **Molchanov, O.**; Acentieva, O.; Parrot, M.; Biagi, P-F.; Hayakawa, M.; Gladyshev, V.
Statistical correlation of spectral broadening in VLF transmitter signal and low –frequency ionospheric turbulence from observation on DEMETER satellite

18:45–19:00; EGU2008-A-00247; NH5.2-1TH5O-006
Maggipinto, T.; Castellana, L.
Disturbances in a VLF radio signal prior of the offshore earthquake (M=4.6) occurred on August 22, 2005 (central Italy)

19:00 END OF SESSION

NH6.1 Tsunamis (co-listed in OS)

Convener: Tinti, S.
Co-Convener(s): Pelinovsky, E.
Lecture Room 25
Chairperson: PELINOVSKY, E.

8:30–8:45; EGU2008-A-00072; NH6.1-1TH1O-001
Yolsal, S.; Taymaz, T.; Yalciner, A.C.
Source Mechanisms of the Recent Rhodes-Dodecanese Islands Earthquakes and Historical Tsunami Simulations in the eastern Mediterranean

8:45–9:00; EGU2008-A-00822; NH6.1-1TH1O-002
Lima, V.; Miranda, J.; Baptista, M.; Catal  o, J.; Gonzalez, M.; Soares, P.
Spatial distribution of tsunami height and the extent inundation along the southeastern Iberian coast for the 1755 event

9:00–9:15; EGU2008-A-06404; NH6.1-1TH1O-003
Pagnoni, G.; Tinti, S.; Armigliato, A.; Tonini, R.; Zani-boni, F.; Argnani, A.; Bonazzi, C.; Rovere, M.
A new contribution for the identification of the source that generated the 1693 tsunami in Sicily (earthquake, submarine landslide or both?) and associated tsunami scenarios for the town of Catania, Italy

9:15–9:30; EGU2008-A-07954; NH6.1-1TH1O-004
Papadopoulos, G.A.; Novikova, T.; McKoy, F.; Fokaefs, A.
Sources of Sumatra-type tsunamis in the Mediterranean Sea

9:30–9:45; EGU2008-A-11235; NH6.1-1TH1O-005
Graziani, L.; Maramai, A.; Tinti, S.; Brizuela, B.
Tsunamis in the Euro-Mediterranean region: analysis of five events as possible benchmarks

9:45–10:00; EGU2008-A-06811; NH6.1-1TH1O-006
Yalciner, A.; Zaytsev, A.; Chernov, A.; Ozer, C.; Dilmen, D.; Insel, I.; Pelinovsky, E.; Kurkin, A.; Karakus, H.; Kanoglu, U
Database Development by Modeling for Tsunami Mitigation Strategies for Fethiye Town

10:00 COFFEE BREAK

Chairperson: TINTI, S.

10:30–10:45; EGU2008-A-00439; NH6.1-1TH2O-001
Choi, B.H.; **Pelinovsky, E.**; Kim, D.C.; Lee, H.J.; Min, B.I.; Kim, K.H.
Three-dimensional simulation of 1983 central East (Japan) Sea earthquake tsunami at the Imwon Port (Korea)

10:45–11:00; EGU2008-A-01104; NH6.1-1TH2O-002
Zahibo, N.; Zaitsev, A.; Talipova, T.; Pelinovsky, E.; Yalciner, A.; Ozer, C.; Insel, I.
The modeling of the 1755 tsunami propagation in the Atlantic and its effect on the French West Indies

11:00–11:15; EGU2008-A-11494; NH6.1-1TH2O-003
Borrero, J.C.; Weiss, R.; Hidayat, R.; Suranto, S.; Bosserelle, C.; Okal, E.A.
Field survey and detailed numerical modelling of the tsunami from Bengkulu earthquake of 12 September 2007

11:15–11:30; EGU2008-A-07907; NH6.1-1TH2O-004
Nosov, M.A.; Kolesov, S.V.
2D and 3D numerical modeling of Central Kuril Islands tsunamis

11:30–11:45; EGU2008-A-08846; NH6.1-1TH2O-005
Glimsdal, S.; Harbitz, C. B.; Vanneste, M.; De Blasio, F. V.; Mienert, J.; Elverh  i, A.
Numerical simulations of the Hinlopen-Yermak landslide and possible tsunami, Arctic Ocean

11:45–12:00; EGU2008-A-09113; NH6.1-1TH2O-006
Eraslan, A.H.;   zeren, M. S.; Postacioglu, N.
Fast-Transient Three-Dimensional Discrete-Element Model for Simultaneously Simulating the Development of Land-slides and the Associated Tsunami Waves and Flows

12:00 LUNCH BREAK

Chairperson: PAPADOPOULOS, G.

13:30–13:45; EGU2008-A-05731; NH6.1-1TH3O-001
Simanjuntak, M.A.; Greenslade, D.J.M
A New Scaling Method for a Tsunami Scenario Database: the Effect of Dispersion

13:45–14:00; EGU2008-A-05609; NH6.1-1TH3O-002
Burbidge, D.; Thomas, C.; Thio, H. K.; Mleczko, R.
A probabilistic tsunami hazard assessment for Australia, the Indian Ocean and Southwest Pacific

14:00–14:15; EGU2008-A-05369; NH6.1-1TH3O-003
Tinti, S.; **Armigliato, A.**; Tonini, R.; Maramai, A.; Graziani, L.
An hybrid statistical-deterministic approach to tsunami hazard estimation along the coasts of the Adriatic Sea

14:15–14:30; EGU2008-A-03075; NH6.1-1TH3O-004
van Veen, B.; Vatvani, D.; Alamsyah Kurniawan, A.; van der Plas, T.
A tsunami early warning system based on database of flood model results for Aceh and Nias

14:30–14:45; EGU2008-A-02658; NH6.1-1TH3O-005
Vela, J.; Perez, B.; Wijeratne, E.; Alvarez Fanjul, E.; Woodworth, P.
Tools for real time automatic detection of sudden oscillations of sea level

14:45–15:00; EGU2008-A-07942; NH6.1-1TH3O-006
Franchello, GF
HyFlux2: a numerical model for tsunami run-up problems

15:00 END OF SESSION

NH6.1 Tsunamis (co-listed in OS) – Posters

Convener: Tinti, S.
Co-Convener(s): Pelinovsky, E.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: TINTI, S.

XY0383; EGU2008-A-00289; NH6.1-1TH4P-0383
Didenkulova, Ira; Nikolkina, Irina
Tsunami in Russian inland waters

- XY0384**; EGU2008-A-00557; NH6.1-1TH4P-0384
Lavrentiev Jr., M.M.; Cherny, S.G.; **Bannikov, D.V.**; As-trakova, A.S.
Optimal location of deep-sea detectors providing minimal registration time of tsunami wave
- XY0385**; EGU2008-A-01110; NH6.1-1TH4P-0385
Zahibo, N.; Pelinovsky, E.; Talipova, T.; Nikolkina, I.; Zaitsev, A.
Earthquake on 29 November, 2007 in Martinique: impact on Guadeloupe
- XY0386**; EGU2008-A-02131; NH6.1-1TH4P-0386
Roger, R.; Hébert, H
Results of the modelling of the El Asnam (Algeria) earthquake of 1980
- XY0387**; EGU2008-A-02141; NH6.1-1TH4P-0387
Roger, R.; Hébert, H
Systematic approach of tsunami modelling in Western Mediterranean
- XY0388**; EGU2008-A-02306; NH6.1-1TH4P-0388
Zaitsev, A.I.; Kovalev, D.P.; Kurkin, A.A.; Levin, B.V.; Pelinovsky, E.; Chernov, A.G.; Yalciner, A.C.
The 2007 Sakhalin Island tsunami: observations and modeling
- XY0389**; EGU2008-A-03625; NH6.1-1TH4P-0389
Altinok, Y.; Cagatay, N.M.; Alpar, B.; Akcer, S.; Ozer, N.; Sancar, U.; Damci, E.; Acar, D.; Ceylan, S.; Agor, H.; Istanbul University Team
Investigation of paleotsunami deposits in the cores of Kucukcekmece Lagoon, Sea of Marmara, Turkey
- XY0390**; EGU2008-A-05251; NH6.1-1TH4P-0390
Manoilin, S.; **Maximov, V.**; Nudner, I.
An experimental research of the solitary wave interaction with the composite obstacles
- XY0391**; EGU2008-A-05397; NH6.1-1TH4P-0391
Pavlis, E. C.; Mertikas, S. P.
GAVDOS Project contributions to the Mediterranean Tsunami Warning System
- XY0392**; EGU2008-A-05834; NH6.1-1TH4P-0392
Borges, P.; Andrade, C.; Forjaz, V.H.; Freitas, M.C.; **Fontiela, J.**
Updating the post 15th century record of tsunami in the Azores archipelago (Portugal)
- XY0393**; EGU2008-A-06164; NH6.1-1TH4P-0393
Horsburgh, K. J.; **Wilson, C.**; Baptie, B. J.; Cooper, A.; Cresswell, D.; Musson, R. M.; Ottemoller, L.; Richardson, S.; Sargeant, S. L.
Impact of a Lisbon-type tsunami on the UK coastline, and the implications for tsunami propagation over broad continental shelves
- XY0394**; EGU2008-A-06626; NH6.1-1TH4P-0394
Kaystrenko, V.; Lomtev, V.; Urban, N.; Ivelskaya, T.; Fokina, T.; Andreeva, M.; Semenova, E.; Kartashova, O.; Korolev, Yu.; Korolev, P.
Manifestation of the August 2, 2007 Nevelsk tsunami
- XY0395**; EGU2008-A-06767; NH6.1-1TH4P-0395
Kaystrenko, V.
A method for tsunami wave form re-calculation trough the shelf
- XY0396**; EGU2008-A-06978; NH6.1-1TH4P-0396
Tinti, S.; **Gallazzi, S.**; Armigliato, A.; Elashvili, M.; Pantosti, D.; Patera, A.; Wyss, M.
Building a unified GIS database for integrating and disseminating tsunami-related data in Europe: a TRANSFER project experience
- XY0397**; EGU2008-A-08045; NH6.1-1TH4P-0397
Tinti, S.; Tonini, R.; Pontrelli, P.; Pagnoni, G.; Santoro, L.
Tsunami risk assessment in the Messina Straits, Italy, with application to the urban area of Messina
- XY0398**; EGU2008-A-08533; NH6.1-1TH4P-0398
Hancilar, U.; Zulfikar, C.; Durukal, E.; Erdik, M
Tsunami impact and risk assessment for Istanbul
- XY0399**; EGU2008-A-09629; NH6.1-1TH4P-0399
Romano, F.; Lorito, S.; Piatanesi, A.; Antonioli, A.; George, D.L.; Hirata, K.
Rupture process of the September 25, 2003 Tokachi-Oki (Hokkaido, Japan) Mw 8.3 earthquake from joint inversion of tsunami waveform and GPS data
- XY0400**; EGU2008-A-11373; NH6.1-1TH4P-0400
Fernandes, RMS; Kamath, MH; Geirsson, H; Miranda, JM
Using GNSS solutions in Tsunami Early Warning Systems
- XY0401**; EGU2008-A-00062; NH6.1-1TH4P-0401
Taymaz, T.; Yolsal, S.; Yalciner, A.C.
Source Rupture Characteristics of the Sumatra-Andaman, Nias-Simeulue and Southern Sumatra Megathrust Earthquakes of 2004-2007 and Their Tsunamis
- XY0402**; EGU2008-A-00727; NH6.1-1TH4P-0402
Cecioni, C.; Bellotti, G.; De Girolamo, P.; Franco, L
Full frequency dispersive numerical modelling of tsunamis. Large scale application to the South Tyrrhenian sea
- XY0403**; EGU2008-A-04594; NH6.1-1TH4P-0403
Nosov, M.A.; Kolesov, S.V.
A fully analytical approach to the problem of tsunami generation by nonlinear acoustic mechanism
- XY0404**; EGU2008-A-04954; NH6.1-1TH4P-0404
Korolev, Yu.
The real-time method of the tsunami early warning.
- XY0405**; EGU2008-A-07130; NH6.1-1TH4P-0405
Kaystrenko, V.
Structure of the recurrence function for tsunami heights
- XY0406**; EGU2008-A-02341; NH6.1-1TH4P-0406
Kovalev, P.; Shevchenko, G.; Kovalev, D.
Experimental study of tsunamis in the Kolmsk Harbor, southwestern Sakhalin
-
- NH6.2 Extreme Sea Waves (co-listed in OS)**
Convener: Pelinovsky, E.
Co-Convener(s): Kharif, C.
Lecture Room 25
Chairperson: KHARIF, CH.
- 17:30–17:45**; EGU2008-A-01842; NH6.2-1TH5O-001
Manna, M
An asymptotic model equation for surface waves in deep water
- 17:45–18:00**; EGU2008-A-00285; NH6.2-1TH5O-002
Didenkulova, Ira; Pelinovsky, Efim; Soomere, Tarmo
Solitary wave run-up on a beach
- 18:00–18:15**; EGU2008-A-00365; NH6.2-1TH5O-003
Kraenkel, R.A.; Garnier, J.; Nachbin, A.
Boussinesq model for shallow water waves over a rapidly varying topography
- 18:15–18:30**; EGU2008-A-00553; NH6.2-1TH5O-004
Lavrentiev Jr., M.; Romanenko, A.
Speeding up of the MOST Program

18:30–18:45; EGU2008-A-05807; NH6.2-1TH5O-005
Liapidevskii, V.Yu.
Nearshore dynamics of breaking waves

18:45–19:00; EGU2008-A-01839; NH6.2-1TH5O-006
Lechuga, A.
Maritime structures and freak waves

19:00 END OF SESSION

IS36 - NH9.1/ES4 Natural Hazards Education and Communications to Students, Government Officials and to the Public (co-organized by NH & ES)

Convener: Malamud, B.
Co-Convener(s): Llasat, M., Yair, Y., Katz, O., Guzzetti, F.
Lecture Room 17
Chairperson: MALAMUD, B.D., LLASAT, M.

10:30–12:00 Five Minute Poster Summaries

12:00 END OF SESSION

IS36 - NH9.1/ES4 Natural Hazards Education and Communications to Students, Government Officials and to the Public (co-organized by NH & ES) – Posters

Convener: Malamud, B.
Co-Convener(s): Llasat, M., Yair, Y., Katz, O., Guzzetti, F.
Display Time: Thursday, 08:00–19:30

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

Poster Area Halls X/Y
Chairperson: YAIR, Y., KATZ, O., GUZZETTI, F.

XY0407; EGU2008-A-04761; IS36 - NH9.1/ES4-1TH3P-0407

Furlong, K.P.

Natural Hazards Across the Curriculum: From General Education to Professional Training

XY0408; EGU2008-A-11234; IS36 - NH9.1/ES4-1TH3P-0408

Malamud, B.D.

Natural hazard demonstrations for teaching

XY0409; EGU2008-A-06642; IS36 - NH9.1/ES4-1TH3P-0409

Miklós, A.

Environmental approach and anthropocentrism in environmental studies of Hungarian higher education with special respect to the natural hazards

XY0410; EGU2008-A-03408; IS36 - NH9.1/ES4-1TH3P-0410

Timár, G.; Kern, A.; Székely, B.; Molnár, G.

“Satellite image of the week”: an Internet-based educational series for increase the public awareness for natural hazards – a case history from Hungary

XY0411; EGU2008-A-03621; IS36 - NH9.1/ES4-1TH3P-0411

Llasat-Botija, M.; Llasat, M.C.; Prat, M.A.; Barnolas, M.

The use of a Web as a learning tool about natural hazards: EDRINA and FLASH

XY0412; EGU2008-A-11030; IS36 - NH9.1/ES4-1TH3P-0412

Navratil, O.; Poulard, C

Development of a module in hydrology to transmit the principles of flood mitigation to schoolchildren

XY0413; EGU2008-A-11771; IS36 - NH9.1/ES4-1TH3P-0413

Margiotta, M. R.; Sole, A.; Sdao, F.

Laboratory of hydrologic and hydraulic risk management and applied geomorphology

XY0414; EGU2008-A-07428; IS36 - NH9.1/ES4-1TH3P-0414

Sy, M.; Hagemeier-Klose, M.; **Wagner, K.**

Evaluation of information tools in flood risk communication: part of the EU-project FloodScan

XY0415; EGU2008-A-11825; IS36 - NH9.1/ES4-1TH3P-0415

Kootval, H.; Wong, M.C.; **Bell, A.**

Open laboratory: a bridge between society and public weather services in natural hazards management

XY0416; EGU2008-A-11264; IS36 - NH9.1/ES4-1TH3P-0416

Kucinskis, A.; Seber, D.

An interactive, integrated education and training information system for natural multihazard-related disaster management

XY0417; EGU2008-A-07300; IS36 - NH9.1/ES4-1TH3P-0417

Catto, N.

Natural Hazards Mapping, Assessment, and Communication:

XY0418; EGU2008-A-09884; IS36 - NH9.1/ES4-1TH3P-0418

Presta, A.; Marinaro, A.; De Luca, G.; Sole, A

Natural hazard: the efficacious communication

XY0419; EGU2008-A-03208; IS36 - NH9.1/ES4-1TH3P-0419

Shnyparkov, A.; Danilina, A.; Gryaznova, V.; Martynov, A.
Theory and practice of natural risk assessment in terms of integrated index

XY0420; EGU2008-A-02567; IS36 - NH9.1/ES4-1TH3P-0420

Bird, D.; Gisladottir, G.; Dominey-Howes, D

Will tourists positively respond to a jökulhlaup warning if Katla erupts in southern Iceland?

XY0421; EGU2008-A-01365; IS36 - NH9.1/ES4-1TH3P-0421

Carlino, S.; **Somma, R.;** Mayberry, G.C.

The perception of volcanic risk of young people living in the highly populated areas of Vesuvius: implication for emergency management.

XY0422; EGU2008-A-05058; IS36 - NH9.1/ES4-1TH3P-0422

Agatova, A.R.; **Nepop, R.K.**

The Chuya earthquake of 2003 (SE Altai, Russia) the basis for collaboration among the Science, the Public and the Government

XY0423; EGU2008-A-00670; IS36 - NH9.1/ES4-1TH3P-0423

Mukhametgaleeva, L.A.

The fourth authority of Russia about global warming: value and illumination (on materials of the edition “The russian newspaper” and a site “Newsru.com” during from june till november, 2007)

XY0424; EGU2008-A-03347; IS36 - NH9.1/ES4-1TH3P-0424

Kadebskaya, O.I.; **Khudenhik, K.O.**

Pollution of karst cavities in areas of intensive oil and gas extraction.

XY0425; EGU2008-A-09878; IS36 - NH9.1/ES4-1TH3P-0425

House, K.; **Catto, N.**

Gypsum Karst: Human Initiation and Response, Woodville, NL, Canada

XY0426; EGU2008-A-01455; IS36 - NH9.1/ES4-1TH3P-0426

Pointeau, R.; Tomlinson, R.; Miossec, A.; Hunt, S.
Coastal Network Information System, Gold Coast, Queensland, Australia

XY0427; EGU2008-A-02640; IS36 - NH9.1/ES4-1TH3P-0427

Giosa, L.; Manfreda, S.; **Pascale, S.;** Sdao, F.; Sole, A.; Albano, R.
Assessment of systemic vulnerability in landslide and flood prone areas

XY0428; EGU2008-A-07271; IS36 - NH9.1/ES4-1TH3P-0428

Juhász, Gy.; Molnár, G.; Ferencz, Cs.; **Timár, G.;** Székely, B.

Environmental monitoring and disaster predicting service based on HRPT, CHRPT and MODIS satellite data

XY0429; EGU2008-A-07307; IS36 - NH9.1/ES4-1TH3P-0429

D'Andrea, M.; Dal Pra, S.; Angelini, V.; Fiorucci, P.; Gaetani, F.; Mazzetti, P.; Verlato, M.

G.RISICO: a grid architecture for high resolution nationwide forest fire risk assessment

XY0430; EGU2008-A-09811; IS36 - NH9.1/ES4-1TH3P-0430

Székely, B.; Hollaus, M.; Aubrecht, Ch.; Weichselbaum, J.; Steinnocher, K.

Assessment of natural hazard damage potential and risk exposure using airborne laser scanning – a case study from Vorarlberg, Austria

NH9.2 Economic aspects and societal decision making in hazards and risk management – Posters

Convener: Bründl, M.

Co-Convener(s): Bernknopf, R., Fuchs, S.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: BRÜNDL, M.

XY0431; EGU2008-A-01714; NH9.2-1TH2P-0431

Proske, D.

Extended life quality concepts and minimum risks

XY0432; EGU2008-A-01879; NH9.2-1TH2P-0432

Holub, M.; Fuchs, S.

Alpine natural hazards: Benefits of local structural protection

XY0433; EGU2008-A-11839; NH9.2-1TH2P-0433

Staffler, H.; Zischg, A.

Potential impacts of climate change on hazard zoning and implications for risk analysis and decision-making

XY0434; EGU2008-A-03620; NH9.2-1TH2P-0434

Rheinberger, C.M.; Bründl, M.

Standing in the Shoes of Hazard Managers: How does the Public perceive Avalanche Risks to Roads?

XY0435; EGU2008-A-09532; NH9.2-1TH2P-0435

Borsky, S.; Raschky, P.A.

Policy strategies when individual risk taking causes external effects - An empirical examination of data from Austrian ski resorts

XY0436; EGU2008-A-08062; NH9.2-1TH2P-0436

Fritz, SMF

A conceptual framework for assessment of the benefits of a Global Earth Observation System of Systems: An example in forest fire management

XY0437; EGU2008-A-11392; NH9.2-1TH2P-0437

Masson, E.

From conflict to agreement: Socio-economical aspects of flood prevention management plan in the low Seine Valley (France)

XY0438; EGU2008-A-08924; NH9.2-1TH2P-0438

Raschky, P. A.; **Schwindt, M.**

Hazardous disaster aid?: The crowding-out effect of international charity

XY0439; EGU2008-A-02849; NH9.2-1TH2P-0439

Hallegatte, S.; Boissonnade, A.; Schlumberger, M.-E.; Muir-Wood, R.

Demand Surge and Worker Migrations in Disaster Aftermaths: Application to Florida in 2004 and 2005

XY0440; EGU2008-A-10281; NH9.2-1TH2P-0440

Warner, K.

Assessing the links between natural hazards and migration: the Livelihood connection in Egypt and Niger

NH9.10 Mountain Risks: integration of predictions, management and governance – Posters

Convener: Bogaard, T.

Co-Convener(s): Glade, T., Fuchs, S., Keiler, M.

Display Time: Thursday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: KEILER, M.

XY0441; EGU2008-A-11125; NH9.10-1TH4P-0441

'Mountain-Risks' Young Researchers Team, MRT; The 'Mountain-Risks' Young Researchers Team

Analyses of 'Mountain-Risks': doctoral and post-doctoral research projects in risk prediction, management and governance.

XY0442; EGU2008-A-03074; NH9.10-1TH4P-0442

Angignard, M.; Greiving, S.

A new risk governance approach - more inclusiveness in assessment and management of mountain risks

XY0443; EGU2008-A-06365; NH9.10-1TH4P-0443

Blahut, J.; Brambilla, M.; De Amicis, M.; Frigerio, S.; Giacomelli, P.; Poretti, I.; Sironi, S.; Sterlacchini, S.

Hydrogeological risks: hazard and vulnerability assessment for economic evaluation of consequences and real-time management of emergency situations

XY0444; EGU2008-A-11009; NH9.10-1TH4P-0444

Chapa-Guerrero, J. R.; Ibarra-Martínez, S. E.

Geological risks in urban areas in the south of the metropolitan area of Monterrey, Nuevo León, México

XY0445; EGU2008-A-07763; NH9.10-1TH4P-0445

Mavrouli, O.

Rockfall risk mitigation measures in the principality of Andorra

XY0446; EGU2008-A-11670; NH9.10-1TH4P-0446

Abbruzzese, J.M.; Sauthier, C. ; Labiouse, V.

Considerations on rockfall hazard mapping based on trajectory modelling

XY0447; EGU2008-A-11666; NH9.10-1TH4P-0447

Seliverstov, Yu.; **Glazovskaya, T.;** Shnyparkov, A.; Vilchek, Ya.; Sergeeva, K.

Estimation of avalanche risk

XY0448; EGU2008-A-03153; NH9.10-1TH4P-0448
LUEHR, B.-G.; Walter, Th.; Wassermann, J.; Wang, R.;
 Wagner, D.; Anggraini, A.; Parolai, S.; Zschau, J.; Har-
 jadi, P.; Brotopuspito, K. S.
 The surprising Mw 6.5 Bantul Earthquake 2006

XY0449; EGU2008-A-03246; NH9.10-1TH4P-0449
Shieh, C.L.; Lee, S.P.; Tseng, W.H.; Tsai, Y.J.
 Watershed integrated regulation plan after earthquake affects

XY0450; EGU2008-A-08363; NH9.10-1TH4P-0450
Thiery, Y.; Malet, J.-P.; Maquaire, O.
 Landslide susceptibility assessment at the 1:10,000 scale:
 methods to implement expert knowledge in the statistical
 models

XY0451; EGU2008-A-05014; NH9.10-1TH4P-0451
Lu, P.; Falorni, G.; Casagli, N.; Catani, F.
 Landslides Investigation using Statistical Analysis of Per-
 manent Scatterers: Case Study in the Arno River Basin

XY0452; EGU2008-A-09949; NH9.10-1TH4P-0452
Ali, F.
 A PPGIS method for mapping multiple community displace-
 ments to riverbank erosion

XY0453; EGU2008-A-04034; NH9.10-1TH4P-0453
Bièvre, G.; Kniess, U.; Jongmans, D.; Schwartz, S.;
 Zumbo, V.
 Influence of the geological structure on the geometry and
 dynamics of two large landslides within glaciolacustrine
 clays (Trièves area, french Alps)

XY0454; EGU2008-A-03886; NH9.10-1TH4P-0454
Bogaard, Th.A.; **Van Asch, Th.W.;** Malet, J-P
 Decisive factors for risk management of slow moving
 landslides in varved clays

XY0455; EGU2008-A-02468; NH9.10-1TH4P-0455
Pradzyńska, D.M.; Bogaard, T.A.; Westhoff, M.C.
 Spatial and temporal variability of soil moisture patterns
 related to preferential flow measured using distributed
 temperature sensing in large scale infiltration experiment

**IS67 - NH10.1/NP4.05 Extreme Events: Causes and
 Consequences (E2-C2) (co-organized by NH & NP;
 co-listed in GM)**

Convener: Yiou, P.
 Co-Convener(s): Vannitsem, S.
 Lecture Room 25
 Chairperson: YIOU, P.

15:30–15:45; EGU2008-A-11197; IS67 - NH10.1/NP4.05-
 1TH4O-001
Hallerberg, S.; Kantz, H.
 Prediction of Extreme Threshold Crossings

15:45–16:00; EGU2008-A-06127; IS67 - NH10.1/NP4.05-
 1TH4O-002
Rust, H.W.; Maraun, D.; Osborn, T.J.; Kurths, J.
 Modelling the annual cycle of extreme precipitation

16:00–16:15; EGU2008-A-10716; IS67 - NH10.1/NP4.05-
 1TH4O-003
Vrac, M.; Naveau, P.; **Schölzel, C.**
 Modeling the full range of rainfall events

16:15–16:30; EGU2008-A-01445; IS67 - NH10.1/NP4.05-
 1TH4O-004
Gabrielov, A.; Zaliapin, I.; Keilis-Borok, V.; Wong, H.
 Clustering analysis of seismicity and aftershock identifica-
 tion

16:30–16:45; EGU2008-A-07210; IS67 - NH10.1/NP4.05-
 1TH4O-005
Rossi, M.; Peruccacci, S.; Witt, A.; Malamud, B. D.;
 Guzzetti, F.
 Characteristics of an historical landslide catalogue for the
 Emilia-Romagna Region, Northern Italy: frequency-size,
 temporal clustering and triggering factors

16:45–17:00; EGU2008-A-07031; IS67 - NH10.1/NP4.05-
 1TH4O-006
Kossobokov, V.; Soloviev, A.
 Forecast/prediction of extreme events: Fundamentals and
 prerequisites of verification

17:00 END OF SESSION

**IS67 - NH10.1/NP4.05 Extreme Events: Causes and
 Consequences (E2-C2) (co-organized by NH & NP;
 co-listed in GM) – Posters**

Convener: Yiou, P.
 Co-Convener(s): Vannitsem, S.
 Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 17:30–19:00
 Poster Area Halls X/Y
 Chairperson: VANNTISEM, S.

XY0456; EGU2008-A-03279; IS67 - NH10.1/NP4.05-
 1TH5P-0456
Sienz, F.; Fraedrich, K.; Blender, R.
 Extreme event return times in long-term memory processes
 near 1/f

XY0457; EGU2008-A-03506; IS67 - NH10.1/NP4.05-
 1TH5P-0457
Marwan, N.; Trauth, M. H.; Kurths, J.
 Detection of extreme events in palaeo-climate proxy data
 using recurrence plots

XY0458; EGU2008-A-00797; IS67 - NH10.1/NP4.05-
 1TH5P-0458
Guin, O.; Boreux, J.J.; Bernier, J.; Perrault, L.; Grancher, D;
 Naveau, P
 Bayesian hierarchical modelling of dendrochronological data

XY0459; EGU2008-A-03720; IS67 - NH10.1/NP4.05-
 1TH5P-0459
Baas, A.C.W.; Rust, H.
 Wavelet Spectra and ARMA Modelling of Aeolian Sand
 Transport Response to Wind Speed Events

XY0460; EGU2008-A-04775; IS67 - NH10.1/NP4.05-
 1TH5P-0460
García Moreno, R.; Alvarez Siaz, M.C.; Saa Requejo, A.;
 Tarquis, A.M.
 Frost effects in fruit production at Murcia (Spain) as result
 of climate change

XY0461; EGU2008-A-08729; IS67 - NH10.1/NP4.05-
 1TH5P-0461
Yiou, P.; Vautard, R.; Naveau, P.; Cassou, C.; Cattiaux, J.
 Inconsistency between atmospheric dynamics and temper-
 atures during the exceptional 2006/2007 fall/winter and
 recent warming in Europe

XY0462; EGU2008-A-06751; IS67 - NH10.1/NP4.05-
 1TH5P-0462
Rieder, H.E.; Staehelin, J.; Bodeker, G.E.; Stuebi, R.;
 Maeder, J.; Divis, L.; Weihs, P.; Holawe, F.; Simic, S.
 Determination and distribution of extreme events in total
 ozone using the world's longest total ozone record from
 Arosa, Switzerland

XY0463; EGU2008-A-00846; IS67 - NH10.1/NP4.05-1TH5P-0463

Khristoforova, D.

Wavelet analysis of well thermograms as a new instrument for ecological hazard studies

XY0464; EGU2008-A-00064; IS67 - NH10.1/NP4.05-1TH5P-0464

Hobbs, L. K.; Sparks, R. S. J.; Deligne, N. I.; Coles, S. G.; Dunning, H. A.

Global database of large magnitude explosive eruptions for magnitude-frequency analysis

XY0465; EGU2008-A-00957; IS67 - NH10.1/NP4.05-1TH5P-0465

Caniaux, G.

Statistical analysis of the volcanic eruption frequency in the Azores islands: a contribution to risk assessment

XY0466; EGU2008-A-02419; IS67 - NH10.1/NP4.05-1TH5P-0466

Molchanov, O. A.

Correlation of social tension and seismic activity

NH10.3 Modelling and simulation of dangerous phenomena, and innovative techniques for hazard evaluation, mapping, mitigation – Posters

Convener: Iovine, G.

Co-Convener(s): Sheridan, M., Pastor, M., Mc Ardell, B.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: IOVINE, G.

XY0467; EGU2008-A-07040; NH10.3-1TH2P-0467

Salciarini, D.; Tamagnini, C.; Conversini, P.

Distinct element modelling of triggering and evolution of a flow landslide in central Italy Apennines

XY0468; EGU2008-A-07723; NH10.3-1TH2P-0468

McArdell, B.W.; Cesca, M.; Rickli, C.

Runout modeling of hillslope debris flows and small surficial landslides

XY0469; EGU2008-A-05696; NH10.3-1TH2P-0469

Banton, J.; Villard, P.; Jongmans, D.; Hantz, D.; Scavia, C.
2D numerical modelling of granular flows and comparison to laboratory experiments

XY0470; EGU2008-A-07459; NH10.3-1TH2P-0470

Scotto di Santolo, A.; Evangelista, A.

Some considerations on debris flow rheology

XY0471; EGU2008-A-06952; NH10.3-1TH2P-0471

Pistolesi, P.; Rosi, R.; Cioni, C.; Cashman, K.; Aguilera, A.
Tephra and debris flow stratigraphy of the post-XII century activity at Cotopaxi volcano, Ecuador: a tool for lahar hazard assessment.

XY0472; EGU2008-A-02626; NH10.3-1TH2P-0472

Calvo, B.; Napolitano, G.; Savi, F.; See, L

A conceptual and neural network model for real-time flood forecasting of Tiber river in Rome

XY0473; EGU2008-A-08277; NH10.3-1TH2P-0473

D'Andrea, M.; Fiorucci, P.; **Gaetani, F.;** Minciardi, R.

A system for the optimal management of transportation systems affected by recurrent adverse weather conditions

XY0474; EGU2008-A-01962; NH10.3-1TH2P-0474

Li, H.-W.; Tsai, C.-H.; Lo, Y.-T.

Validation of a predictive model of typhoon surge and assessing coastal flooding area around Taiwan

XY0475; EGU2008-A-04808; NH10.3-1TH2P-0475

ELISE, K

Modelling of the wind field produced during a hurricane passage, correlation with the processing of pre and post event satellite images for the help in natural hazard risk prevention. A Case Study: The Island of Guadeloupe (FWI), 1989.

XY0476; EGU2008-A-07846; NH10.3-1TH2P-0476

Drescher, A. ; Glaser, R.; Pfeiffer, C.; Vencatesan, J.; Glaser, S.; Lechner, M.; Schliermann-Kraus, E.; Dostal, P.
Risk assessment of extreme precipitation in the coastal areas of Chennai as an element of catastrophe prevention (cancelled)

XY0477; EGU2008-A-10798; NH10.3-1TH2P-0477

Barkin, Yu.V.

Mechanism of biannual cyclicity of ocean and atmosphere processes and phenomenon “El Nino”

XY0478; EGU2008-A-08165; NH10.3-1TH2P-0478

Osinov, V. A.

Modelling soil liquefaction during strong earthquakes

XY0479; EGU2008-A-10262; NH10.3-1TH2P-0479

Gómez-Hernández, R.M.; Staller, A.; Benito, B.; Martinez-Díaz, J.J.

Crustal motion modeling integrating geodynamic and geochemical data: application to southern Iberian Peninsula

XY0480; EGU2008-A-06333; NH10.3-1TH2P-0480

Sterlacchini, S.; Blahut, J.; Masetti, M.; Sorichetta, A.

A methodological approach for comparing predictive maps derived from statistic-probabilistic methods

XY0481; EGU2008-A-03041; NH10.3-1TH2P-0481

Baruffini, Mi.; Baruffini, Mo.; Thuring, M.; Cannata, M.

RiskBox - a toolbox for the risk analysis of natural hazards

XY0482; EGU2008-A-12012; NH10.3-1TH2P-0482

Filahi, M.; Andrieux, P.; Tabbagh, A.; Rejiba, F.; Najine, A.; Jaffal, M.; Casas, A.; Angelova, D.

Detection and mapping of the underground cavities by Geophysical methods: ground penetrating radar seismic waves and electrical imagery. The case of Béni-Mellal city (Morocco)

XY0483; EGU2008-A-07994; NH10.3-1TH2P-0483

Tomczyk, A.M.; Ewertowski, M.

GIS assessment of the state of the geographical environment along tourist trails. Polish Tatra Mountain case study

XY0484; EGU2008-A-10960; NH10.3-1TH2P-0484

Kapochkin, B.B.; **Dolia, V.D.**

Research of the earlier unknown natural phenomenon

XY0485; EGU2008-A-00923; NH10.3-1TH2P-0485

Iovine, G.

Considerations on an integrated approach for mapping mud-flow and lava-flow susceptibility and hazard, by means of numerical modelling and GIS techniques, historical and geo-environmental analyses, recently applied in Southern Italy

Friday

NH3.1 Volcanic Hazard Assessment and Risk Quantification (co-listed in GMPV)

Convener: Folch, A.
Co-Convener(s): Battaglia, M., Gottsmann, J.
Lecture Room 28
Chairperson: FOLCH, A.

8:30–9:00; EGU2008-A-05279; NH3.1-1FR1O-001

Martí, J.; Ortiz, R.; Gottsmann, J.; García, A.; De La Cruz-Reina, S.
Defining unrest, assessing hazards and mitigating risks during the reawakening of the central volcanic complex on Tenerife, Canary Islands (2004-2007) (solicited)

9:00–9:30; EGU2008-A-09454; NH3.1-1FR1O-002

Neri, A.; The EXPLORIS Vesuvius Team
Developing an Event Tree for probabilistic hazard and risk assessment at Vesuvius (solicited)

9:30–10:00; EGU2008-A-05639; NH3.1-1FR1O-003

Kilburn, C.; Woo, J.; De Natale, G.; Troise, C.; McGuire, W.
The potential for forecasting eruptions at Campi Flegrei, southern Italy. (solicited)

10:00 END OF SESSION

NH3.1 Volcanic Hazard Assessment and Risk Quantification (co-listed in GMPV) – Posters

Convener: Folch, A.
Co-Convener(s): Battaglia, M., Gottsmann, J.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: BATTAGLIA, M.

XY0304; EGU2008-A-00328; NH3.1-1FR2P-0304

Carmona, J.; Romero, C.; Dóniz, J.; García, A.
Montaña Escachada tuff ring hydromagmatic deposits characterization: stratigraphy and geological evolution

XY0305; EGU2008-A-02006; NH3.1-1FR2P-0305

Behncke, B.
Hazards from pyroclastic density currents at Mt. Etna (Italy)

XY0306; EGU2008-A-12108; NH3.1-1FR2P-0306

Pfanz, H.; Saßmannshausen, F.
Geogenic CO₂-Exhalations and Vegetation: Its possible use to predict volcanic eruptions

XY0307; EGU2008-A-03660; NH3.1-1FR2P-0307

Barsotti, S.; Andronico, D.; Baxter, P. J.; Del Carlo, P.; Hincks, T. K.; Neri, A.; Aspinall, W.
Assessing volcanic ash hazard for human health and infrastructures: the case of Mt. Etna (Italy)

XY0308; EGU2008-A-04024; NH3.1-1FR2P-0308

Avolio, M.V.; Behncke, B.; Crisci, G.M.; D'Ambrosio, D.; Di Gregorio, S.; Lupiano, V.; **Neri, M.;** Rongo, R.; Spataro, W.
Lava flows hazard zonation of large area using Cellular Automata

XY0309; EGU2008-A-05028; NH3.1-1FR2P-0309

Sobradelo, R.; Geyer, A.; Martí, J.
Statistical analysis of the CCDB (Collapse Caldera Database): An example of the CCDB applicability and a tool for studying and understanding caldera processes.

XY0310; EGU2008-A-05534; NH3.1-1FR2P-0310

Bonaccorso, A
Recent eruptions at Mt. Etna : lesson for precursors and hazard evaluation

XY0311; EGU2008-A-05681; NH3.1-1FR2P-0311

Kilburn, C.; Bell, A.; Robertson, R.
Deformation and seismic precursors to eruptions after long repose.

XY0312; EGU2008-A-05741; NH3.1-1FR2P-0312

Marrero, JM.; Rodríguez, JA.; Ortiz, R.
Evacuation management GIS tools volcanic crisis: application to the north side of Tenerife

XY0313; EGU2008-A-10153; NH3.1-1FR2P-0313

Felpeto, A.; Martí, J.; Meletlidis, S.; López, C.
Characterization of Teide-Pico Viejo's explosive activity required for hazard, risk and monitoring analyses

XY0314; EGU2008-A-10720; NH3.1-1FR2P-0314

Martelli, K. M.; Thouret, J.-C.; Vargas Franco, R.
Physical vulnerability of the city of Arequipa - exposed to volcanic flows and flash floods

XY0315; EGU2008-A-12067; NH3.1-1FR2P-0315

Trigila, R.; Battaglia, M.; De Natale, G.; Troise, C.
Volcanic eruptions from near-solidus magma chambers and their relevance for the volcanic hazard at densely inhabited areas

XY0316; EGU2008-A-12291; NH3.1-1FR2P-0316

Mastrolorenzo, G.; Pappalardo, L.; De Natale, G.; Troise, C.; Rossano, S.; Panizza, A.
Eruptive scenarios for next eruptions in Neapolitan area: an integrated volcanological-probabilistic approach

XY0317; EGU2008-A-03971; NH3.1-1FR2P-0317

Mattia, M.; Bonaccorso, A.; Guglielmino, F.
Ground deformations in Pantelleria Island (Italy): insights into the dynamic of the current inter-eruptive period

XY0318; EGU2008-A-03413; NH3.1-1FR2P-0318

Tarraga, M.; **Ortiz, R.;** De la Cruz-Reyna, S.; Martinez-Bringas, A.
Earthquake-induced tectonic stress triggering an eruption. Case studies of a viscoelastic shell delay response at Tungurahua, Villarrica and Popocatepetl volcanoes.

XY0319; EGU2008-A-00666; NH3.1-1FR2P-0319

Vicari, A.; Cirauda, A.; Del Negro, C.; Herault, A.
Computer Simulations for Hazard Evaluation of Lava Flows at Mt Etna

XY0320; EGU2008-A-00965; NH3.1-1FR2P-0320

Caniaux, G.
Statistical analysis of the volcanic eruption frequency in the Azores islands: a contribution to risk assessment

XY0321; EGU2008-A-04442; NH3.1-1FR2P-0321

Tizzani, P.; Battaglia, M.; Zeni, G.; Atzori, S.; Berardino, P.; Casu, F.; Manzo, M.; Lanari, R.
Long Valley caldera (California) deformation source analysis by using SBAS-DInSAR, two colors EDM and gravity measurements

XY0322; EGU2008-A-05018; NH3.1-1FR2P-0322

Basualto, D.; Delgado, C.; Gallegos, C.; Moreno, H.; Muñoz, J.; Naranjo, J. A.; Peña, P.; **Ortiz, R**
A dynamical analysis of the seismic activity of Llaima volcano (Chile) during 2007-2008 eruption

XY0323; EGU2008-A-06199; NH3.1-1FR2P-0323

Sosio, R. S.; Crosta, G.B.C.; Hungr, O. H.; Pola, A. P.
Numerical modeling of sector collapses of volcanic edifices

XY0324; EGU2008-A-06707; NH3.1-1FR2P-0324

Folch, A.; Costa, A.; Macedonio, G.
APOLLO: An automatic procedure to forecast transport and deposition of tephra

XY0325; EGU2008-A-06899; NH3.1-1FR2P-0325
Saccorotti, G.; Vassalli, M.; Papale, P.; Longo, A.
Geophysical signature of shallow magma chamber replenishment.

XY0326; EGU2008-A-07358; NH3.1-1FR2P-0326
Ricciardi, G.P.; Costa, A.; Di Vito, M.A.; Folch, A.; **Macedonio, G.;** Siniscalchi, V.

Reconstruction and analysis of the fallout deposit from the 1906 Vesuvius eruption: hazard implication for a violent Strombolian scenario

XY0327; EGU2008-A-07812; NH3.1-1FR2P-0327
Langer, H.; Falsaperla, S.; Masotti, M.; Campanini, R.; Spampinato, S.; Messina, A.

A comprehensive study on automatic classification techniques applied to volcanic tremor data recorded at Mt Etna during the July-August 2001 eruption.

XY0328; EGU2008-A-09120; NH3.1-1FR2P-0328
Partington, E.; Winson, A.; **Gottsmann, J.;** Kinvig, H.; Geyer, A.

NVEWS analysis of volcanic threat of Nisyros caldera, Greece

XY0329; EGU2008-A-08100; NH3.1-1FR2P-0329
Pappalardo, L.; Mastrolorenzo, G
Short-term warning in Campi Flegrei active caldera inferred from magma chamber evolution and opening processes.

XY0330; EGU2008-A-08655; NH3.1-1FR2P-0330
Passarelli, L.; Bonazzi, A.; Sandri, L.; Marzocchi, W.
Bayesian Hierarchical Model for eruption occurrence.

XY0331; EGU2008-A-10147; NH3.1-1FR2P-0331
Panepinto, S.; Greco, F.; van Ruymbeke, M.; Luzio, D.
Tidal modulation of thermometric signals acquired at Mt. Etna (Italy)

XY0332; EGU2008-A-05279; NH3.1-1FR2P-0332
Marti, J.; Ortiz, R.; Gottsmann, J.; García, A.; De La Cruz-Reina, S.
Defining unrest, assessing hazards and mitigating risks during the reawakening of the central volcanic complex on Tenerife, Canary Islands (2004-2007) (solicited)

XY0333; EGU2008-A-09454; NH3.1-1FR2P-0333
Neri, A.; The EXPLORIS Vesuvius Team
Developing an Event Tree for probabilistic hazard and risk assessment at Vesuvius (solicited)

XY0334; EGU2008-A-05639; NH3.1-1FR2P-0334
Kilburn, C.; Woo, J.; De Natale, G.; Troise, C.; McGuire, W.
The potential for forecasting eruptions at Campi Flegrei, southern Italy. (solicited)

NH4.4 Rainfall induced landslides and debris flows (co-listed in GM)

Convener: Crosta, G.
Co-Convener(s): Frattini, P., Cannon, S.
Lecture Room 17
Chairperson: FRATTINI, P.

8:30–8:45; EGU2008-A-08936; NH4.4-1FR1O-001
Gubler, A.; Volkwein, A.; Wendeler, C.
Characteristic Load Parameters for flexible Debris Flow Barriers investigated through Laboratory Experiments

8:45–9:00; EGU2008-A-01548; NH4.4-1FR1O-002
Lukose Kuriakose, S.; van Beek, L.P.H.; van Westen, C.J
Comparison of physically based models for debris flow initiation - A case study in the Tikovil river basin of The Western Ghats of Kerala, India

9:00–9:15; EGU2008-A-09772; NH4.4-1FR1O-003
Mergili, M.; Fellin, W.; Moreiras, S.M.; Stötter, J.
Integrated modelling of debris flows in the Central Andes based on Open Source GIS

9:15–9:30; EGU2008-A-02679; NH4.4-1FR1O-004
Berger, C.; McArdell, B. W.; Schlunegger, F.
Erosion and deposition in a debris flow torrent channel: Influence of event type and rainfall

9:30–9:45; EGU2008-A-05564; NH4.4-1FR1O-005
Or, D.; Lehmann, P.; Güell, M.; Schwarz, M.; Cohen, D.
The Fiber Bundle Model (FBM) for hydrologic triggering of shallow landslides

9:45–10:00; EGU2008-A-03046; NH4.4-1FR1O-006
Locher, DL.; Tacher, LT
An evapo-transpiration controlled landslide in Switzerland: The Steinernase case

10:00 COFFEE BREAK

Chairperson: CROSTA, G.B.

10:30–10:45; EGU2008-A-10227; NH4.4-1FR2O-001
Debieche, T.-H.; Emblanch, C.; Cognard-Plancq, A.-L.; Garel, E.; Malet, J.-P.; Marc, V.; Bogaard, T.-A.; Travelletti, J.
Use of artificial tracing (Br- and Cl-) for investigating infiltration processes and their impact on landslides stability. The case of the Super-Sauze mudslide (04, France)

10:45–11:00; EGU2008-A-05390; NH4.4-1FR2O-002
Guthrie, R.H.; Evans, S.G.
Physiographic controls on the magnitude frequency distribution of shallow landslides.

11:00–11:15; EGU2008-A-02034; NH4.4-1FR2O-003
Shou, K.; Wu, B.; Hsu, H.
On the control factors of the colluvial landslides after 1999 Taiwan Chi-Chi earthquake

11:15–11:30; EGU2008-A-09391; NH4.4-1FR2O-004
Tofani, V.; Wang, F.; Casagli, N.; Falorni, G.; Nocentini, M.; Fukuoka, H.
Instability conditions of the landslides triggered by the 2006 rainfall event in Ischia Island, Italy

11:30–11:45; EGU2008-A-04106; NH4.4-1FR2O-005
Garlatti, F.; Alexandre, F.; Fort, M.
Analytical chronology of past disasters in Arzino's catchment (1905-2005 ; Carnic Pre-Alps, Northeastern Italy)"

11:45–12:00; EGU2008-A-03879; NH4.4-1FR2O-006
Cepeda, J.; Devoli, G.
Rainfall thresholds for landslide triggering following volcanic ash eruptions and earthquakes

12:00 END OF SESSION

NH4.4 Rainfall induced landslides and debris flows (co-listed in GM) – Posters

Convener: Crosta, G.

Co-Convener(s): Frattini, P., Cannon, S.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: FRATTINI, P., CROSTA G.B.

XY0335; EGU2008-A-07080; NH4.4-1FR3P-0335

Garlatti, F.; Alexandre, F.; Fort, M.

Analytical chronology of past, rainfall-induced disasters in Arzino's catchment (1905-2005 ; Carnic Pre-Alps, North-eastern Italy)

XY0336; EGU2008-A-09608; NH4.4-1FR3P-0336

Lehmann, P.; Or, D.

Concepts of Self-Organized Criticality for modeling triggering of shallow landslides

XY0337; EGU2008-A-06293; NH4.4-1FR3P-0337

Tobe, H.; Chigira, M.

The influence of granitic rock textures on their weathering and landslide occurrence

XY0338; EGU2008-A-11128; NH4.4-1FR3P-0338

Kienzler, P.; Naef, F.; Scherrer, S.; Thielen, A.; Springman, S.

Hydrology of landslide triggering

XY0339; EGU2008-A-09212; NH4.4-1FR3P-0339

Walter, M.; Joswig, M.

Seismic monitoring of fracture processes from a creeping landslide in the Vorarlberg Alps

XY0340; EGU2008-A-02868; NH4.4-1FR3P-0340

Portilla, M.; Hürlimann, M.; Coromina, J.

Understanding causes of mass movements focussing on rainfall. Two case studies of the Lower Garagoa River Basin (Boyaca, Colombia)

XY0341; EGU2008-A-02948; NH4.4-1FR3P-0341

Jaiswal, P.; van Westen, C J; Jetten, V

Use of historic landslide inventories for hazard assessment along communication routes

XY0342; EGU2008-A-01460; NH4.4-1FR3P-0342

Kubota, T.; Otsuki, K.; Cantu Silva, I.; Hasnawir, H.

The warning criteria analysis of sediment runoff, debris flows, shallow landslides along the mountainous torrent

XY0343; EGU2008-A-07957; NH4.4-1FR3P-0343

VENKATACHALAM, G; **MALLIKA, S;** **HARISHKUMAR, G**

An Improved Methodology For Landslide Risk Assessment

XY0344; EGU2008-A-03941; NH4.4-1FR3P-0344

Uchida, T.; Tamura, K; Mori, N

A simple method for producing probabilistic shallow landslide hazard maps using soil thickness dataset

XY0345; EGU2008-A-01788; NH4.4-1FR3P-0345

Chang, K.; Chiang, S.; Lei, F.

Analyzing Critical Rainfall Conditions for Typhoon-Triggered Landslides (cancelled)

XY0346; EGU2008-A-07242; NH4.4-1FR3P-0346

Peruccacci, S.; Rossi, M.; Guzzetti, F.; Stark, C.P.

Logistic modelling of landslide rainfall thresholds

XY0347; EGU2008-A-06349; NH4.4-1FR3P-0347

Pignone, S.; Martina, MLV; Pizziolo, M; Todini, E

A Bayesian approach to determine the rainfall thresholds for shallow landslides triggering

XY0348; EGU2008-A-04846; NH4.4-1FR3P-0348

Lin, C. W.; **Tsai, T. T.;** Ko, C. P.; Shieh, C. L.

The empirical rainfall thresholds to trigger debris flows in Oligocene-Eocene slate formation, Taiwan

XY0349; EGU2008-A-05429; NH4.4-1FR3P-0349

Cevasco, A.; Sacchini, A.; Riccio, L.; Robbiano, A.; Vincenzi, E.

Relationships between precipitations and shallow landslides in the Municipality of Genoa (Italy)

XY0350; EGU2008-A-04843; NH4.4-1FR3P-0350

Lin, C. W.; Liao, C. Y.; Tsai, T. T.

Impacts of the Chi-Chi Earthquake on subsequent rainfall-induced landslides in Tahan River watershed, northern Taiwan

XY0351; EGU2008-A-05407; NH4.4-1FR3P-0351

Cristea, I.

Characteristics of the slope movements in Suceava area, Romania

XY0352; EGU2008-A-06947; NH4.4-1FR3P-0352

Lin, J. C.; Petley, D.

Slope stability in a dynamic environment: A Case Study of the Tachia River, Central Taiwan

NH4.7 Rockfalls and large catastrophic landslides – Posters

Convener: Crosta, G.

Co-Convener(s): Berger, F., Dorren, L., Volkwein, A., Evans, S., Clague, J.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: BERGER, F., CROSTA, G.B.

Rockfalls: Analysis, Simulation and Protection

XY0353; EGU2008-A-08231; NH4.7-1FR3P-0353

Bourrier, F.; **Dorren, L.;** Nicot, F.; Darve, F.; Berger, F.

Introducing an objective stochastic impact law for simulating rebounds in 3D rockfall models: simulated vs. experimental data

XY0354; EGU2008-A-01963; NH4.7-1FR3P-0354

Lo, C-M; Lin, M-L; Lee, W-C

Talus Deposition Pattern of Rockfall through Mechanical Model and Remote Sensing technology

XY0355; EGU2008-A-01664; NH4.7-1FR3P-0355

Crosta, G.B.; **Agliardi, F.;** Frattini, P.; Adamoli, C.

Scenario-based assessment of rockfall risk and cost-efficiency of mitigation works

XY0356; EGU2008-A-11639; NH4.7-1FR3P-0356

Spang, C.; Romunde, B.

Identification of relevant scale effects in surface representations for numerical rockfall modelling

XY0357; EGU2008-A-05592; NH4.7-1FR3P-0357

Kanari, M.; Katz, O; Weinberger, R; Marco, S

Evaluation of rockfall hazard and risk to a town within the Dead Sea fault zone (Qiryat-Shemona, northern Israel)

XY0358; EGU2008-A-11178; NH4.7-1FR3P-0358

Ilinca, V.; Chitu, Z.; Sandric, I.; Mihai, B.; Savulescu, I.

Rockfall Hazard Assessment. A case study from Valcea County (Romania)

XY0359; EGU2008-A-09759; NH4.7-1FR3P-0359

Schellenberg, K.; Volkwein, A.

Large-scale Testing of Rockfall Protection Galleries

Large Catastrophic Landslides: Their Hazard and Risk

XY0360; EGU2008-A-01655; NH4.7-1FR3P-0360

Engl, D.A.; Strauhal, T.; Fellin, W.; Tropper, P.; Zangerl, C.
Sliding zone characteristics of alpine rockslides

XY0361; EGU2008-A-05201; NH4.7-1FR3P-0361

Matsumoto, M.; Chigira, M.; Doshida, S.
Denudation of an uplifted peneplain by landslides in the central Asan Mountains, northeastern Shikoku, Southwest Japan

XY0362; EGU2008-A-06831; NH4.7-1FR3P-0362

Ilia, I.; Koumantakis, I.; Rozos, D.; Markantonis, K.; Tsagaratos, P.
Landslide Phenomena in Kimi area, Euboea Island, Central Greece

XY0363; EGU2008-A-08489; NH4.7-1FR3P-0363

Huggel, C.; Caplan-Auerbach, J.; Gruber, S.; Molnia, B.; Wessels, R.
Insights into large slope failures in permafrost-glacier environments from the 2005 Mt. Steller slide, Alaska

XY0364; EGU2008-A-02687; NH4.7-1FR3P-0364

Crosta, G.B.; Frattini, P.; Chen, H.
A scenario-based assessment of debris-avalanche risk for the designing of countermeasures

XY0365; EGU2008-A-09142; NH4.7-1FR3P-0365

Poisel, R.; Preh, A.
Punta Thurwieser rock avalanche and Frank Slide - analyses of hazard and risk based on a discontinuum mechanics approach

XY0366; EGU2008-A-00764; NH4.7-1FR3P-0366

Roberts, N.J.; Evans, S.G.
Seymareh (Saidmarreh) landslide, Zagros Mountains, Iran

XY0367; EGU2008-A-00622; NH4.7-1FR3P-0367

Trommler, N.; Huggel, C.; Korup, O.; Schneider, J. F.
Assessing post-failure geomorphic impact of an earthquake-triggered landslide dam, Jhelum River, Pakistan

NH4.8 Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures – Posters

Convener: FRANZI, L.

Co-Convener(s): Arattano, M., Tagliavini, F.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: FRANZI, L.

XY0368; EGU2008-A-08194; NH4.8-1FR3P-0368

Bavec, M.; Ribière, M.; Trajanova, M.; Budkovič, T.; Klabus, A.; **Kumelj, Š.**; Mikoš, M.
Debris-flow hazard assessment in Slovenia

XY0369; EGU2008-A-07195; NH4.8-1FR3P-0369

Cesca, M.; Cavalli, M.; D'Agostino, V.
Back-analysis of a debris flow event: the case study of Fiammes (Dolomites, Italy)

XY0370; EGU2008-A-06604; NH4.8-1FR3P-0370

Arattano, M.; **Franzi, L.**
On the application of kinematic models and diffusive processes for debris flows.

XY0371; EGU2008-A-08537; NH4.8-1FR3P-0371

Kogelnig, A.
Infrasound monitoring of gravity driven mass movements: avalanches and debris flow

XY0372; EGU2008-A-10030; NH4.8-1FR3P-0372

Thiebes, B.; Becker, R.; Bell, R.; Burghaus, S.; Glade, T.; Janik, M.; Krummel, H.; Kuhlmann, H.; Paulsen, H.; Schauerer, W.
Landslide monitoring and modelling within the Integrative Landslide Early Warning Systems (ILEWS)

XY0373; EGU2008-A-09852; NH4.8-1FR3P-0373

Ronchetti, F.; Piccinini, L.; Borgatti, L.; Cervi, F.; Corsini, A.; Gargini, A.
Hydrogeological modelling of the Lezza Nuova earth slide – earth flow (northern Apennines, Italy)

XY0374; EGU2008-A-03533; NH4.8-1FR3P-0374

Zakeri, A.; **Vanneste, M.**; Høeg, K.
Submarine Debris Flow Impact on Pipelines: Mass Movement Dynamics, Drag Forces, Mitigation and Control

NH5.1 Seismic hazard evaluation, precursory phenomena and reliability of prediction (co-listed in SM & TS) – Posters

Convener: Contadakis, M.

Co-Convener(s): Biagi, P., Zschau, J.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: MEISTER, C.-V.

XY0375; EGU2008-A-00579; NH5.1-1FR4P-0375

Moldovan, I.A.; **Placinta, A.O.**; Popescu, E.; Moldoveanu, T.
Probabilistic Seismic Hazard Assessment in Romania used for dam's rating in seismic risk classes

XY0376; EGU2008-A-00585; NH5.1-1FR4P-0376

Popescu, E.; **Placinta, A.O.**; Moldovan, I.A.; Cioflan, C.O.; Radulian, M.
Attenuation model for the seismic ground motion induced by Vrancea intermediate-depth earthquakes

XY0377; EGU2008-A-00987; NH5.1-1FR4P-0377

Purghel, L.; Georgescu, M.; Gheorghiu, D.; Diaconescu, M.; Moldovan, I.A.; Placinta, A.O.; Popescu, E.
Measurement of radon emanation along three surface faults from Dobrogea (Eastern Romania)

XY0378; EGU2008-A-01786; NH5.1-1FR4P-0378

Contadakis, M.E.; Arabelos, D.N.; Asteriadis, G.; Spatalas, S.D.; Pikridas, Ch.
TEC variations over the Mediterranean during the seismic activity period of the last quarter of 2005 in the area of Greece.

XY0379; EGU2008-A-01912; NH5.1-1FR4P-0379

Bala, A.; Balan, St.; Ritter, J.R.R.; Hannich, D.; Rohn, J.
Linear modelling of seismic site effects in Bucharest City, Romania

XY0380; EGU2008-A-01974; NH5.1-1FR4P-0380

Imoto, M.
Seismicity models for moderate earthquakes in Kanto, central Japan, based on three parameters

XY0381; EGU2008-A-02005; NH5.1-1FR4P-0381

Apostol, B. F.; Balan, S. F.; Cioflan, C. O.
Short-term seismic activity. Next earthquake time-magnitude distributions. Application to Vrancea, Romania

XY0382; EGU2008-A-02292; NH5.1-1FR4P-0382

Liperovskaya, E.V.; Bogdanov, V.V.; Biagi, P.-F.; **Meister, C.-V.**; Liperovsky, V.A.; Rodkin, M.V.
Day-time variations of foF2 connected to strong earthquakes

XY0383; EGU2008-A-02296; NH5.1-1FR4P-0383
Liperovskaya, E.V.; Biagi, P.-F.; Meister, C.-V.; Rodkin, M.V.
foF2 seismo-ionospheric effect analysis: actual data and numerical simulation

XY0384; EGU2008-A-02388; NH5.1-1FR4P-0384
Constantin, A.; Pantea, A.; Stoica, R.
New data about historical earthquakes occurred on the romanian territory

XY0385; EGU2008-A-02412; NH5.1-1FR4P-0385
Fujimaki, H.; Ohtsuki, K.; Matsu-ura, K.; Kashima, K.
Temporal changes of radon concentrations in waters from deep boreholes and their possible relation to seismic activities, northeast Japan

XY0386; EGU2008-A-02509; NH5.1-1FR4P-0386
Chan, C.; Grünthal, G.
Hybrid zoneless probabilistic seismic hazard analysis: Test and first application to SW Germany

XY0387; EGU2008-A-02698; NH5.1-1FR4P-0387
Ardeleanu, L.; Leydecker, G.; Schmitt, T.; Bonjer, K.-P.; Busche, H.; Kaiser, D.; Simeonova, S.D.; Solakov, D.E.
Probabilistic seismic hazard maps in terms of intensities for Bulgaria and Romania

XY0388; EGU2008-A-03236; NH5.1-1FR4P-0388
YILMAZ, L.
Wave Forces Prediction on Vertical Walls by Hurricane

XY0389; EGU2008-A-03436; NH5.1-1FR4P-0389
Pantea, A.; Constantin, A.
The new seismic macrozoning of the territory of Romania, based on revalued of the isoseismal maps, corroborated to complex geological and geophysical data.

XY0390; EGU2008-A-04755; NH5.1-1FR4P-0390
Poscolieri, M.; Gregori, G.P.; Lagios, E.; Marson, I.; Lupieri, M.; Paparo, G.; Parcharidis, I.; Sakkas, V.; Ventrice, G.
Crustal stress monitoring in the Cephallonia Island (Western Greece) on the basis of a multi-parametric approach

XY0391; EGU2008-A-05086; NH5.1-1FR4P-0391
Bayda, S.
Time-and-frequency and spatial laws of increase of seismic activity after the nuclear weapon tests

XY0392; EGU2008-A-05166; NH5.1-1FR4P-0392
Im, C.B.; Noh, M.; Shim, T.M.; Lee, H.; Choi, H.S.; Hyun, S.G.; Park, K.S.
Review on the evaluating methods of paleo-earthquake magnitudes from fault parameters in Korea

XY0393; EGU2008-A-06304; NH5.1-1FR4P-0393
Stejskal, V.; Skalsky, L.; Broz, M.; Strunc, J.
Analysis of seismic induced changes of groundwater level and carbon dioxide in the region of weak intraplate seismic activity, Bohemian Massif (Central Europe)

XY0394; EGU2008-A-09495; NH5.1-1FR4P-0394
Bulatova, N.
Some regularities of the migration of seismoactive zones

XY0395; EGU2008-A-09961; NH5.1-1FR4P-0395
Bonfanti, P.; Ditta, M.; **Italiano, F.;** Maugeri, R.
Circulating fluids and tectonics: new data along the Southern Apennine chain

XY0396; EGU2008-A-10523; NH5.1-1FR4P-0396
Zoran, M.; Mateciuc, D.N.
Geospatial integrated system for seismic hazard assessment in Vrancea area, Romania

XY0397; EGU2008-A-11710; NH5.1-1FR4P-0397
Vallianatos, F.; Hloupis, G.
Rapid Earthquake Magnitude Estimation using Wavelets: Application for an Early Warning

XY0398; EGU2008-A-00971; NH5.1-1FR4P-0398
Mavrodiev, S.Cht.; Pekevski, L.; Melikadze, G.; Rusov, V.D.; Pavlovich, V.N.; Vachtenko, V.N.
On the complex researching the possibility for when, where and how earthquake prediction as well as for reliable estimation of some natural risks

XY0399; EGU2008-A-04747; NH5.1-1FR4P-0399
Mohamed, A.S.
Using GPS and seismic data for hazard estimation of Egypt

XY0400; EGU2008-A-01956; NH5.1-1FR4P-0400
Rundle, J.; Holliday, J.; Tiampo, K.; Knox, L.; Gaggioli, W.
A pattern-recognition approach to fully dynamic space-time earthquake forecasting

XY0401; EGU2008-A-11299; NH5.1-1FR4P-0401
Battiston, R.; **Fidani, C.**
Searching for correlation between NOAA particle data and seismic activity

NH5.2 Electric, magnetic and electromagnetic phenomena related to earthquakes (co-listed in SM & TS)

Convener: Biagi, P.
Co-Convener(s): Hayakawa, M., Molchanov, O., Vallianatos, F.
Lecture Room 28
Chairperson: VALLIANATOS, F.

10:30–10:45; EGU2008-A-00616; NH5.2-1FR2O-001
Moldovan, I.A.; Moldovan, A.S.; Panaiotu, C.G.; Placinta, A.O.
Significant amplitude geomagnetic anomalies prior the occurrence of Vrancea October 27th, 2007, Mw=6.0 earthquake

10:45–11:00; EGU2008-A-00634; NH5.2-1FR2O-002
Zakharenkova, I.E.; Shagimuratov, I.I.; Krankowski, A.; Tepenitzina, N.Yu.; Koltunen, E.M.
Ionospheric GPS TEC anomaly prior to 22 November 2004, New Zealand earthquake

11:00–11:15; EGU2008-A-01966; NH5.2-1FR2O-003
Ramírez-Rojas, A.; Luévano-Enriquez, J. R.
Detection of non-linear cross-correlation by means of the mutual information function, between electric self-potential time series monitored in a region of high seismicity in Mexico.

11:15–11:30; EGU2008-A-02206; NH5.2-1FR2O-004
Currenti, G.; **Piombo, A.;** Del Negro, C.; Dragoni, M.
Piezomagnetic fields due to inclined rectangular faults in a viscoelastic half-space

11:30–11:45; EGU2008-A-02386; NH5.2-1FR2O-005
Schekotov, A.Yu.; Molchanov, O.A.; Fedorov, E.N.; Andreevsky, S.E.; Belyaev, G.G.; Chebrov, V. N.; Gladyshev, V. A.
Determination of source direction of ULF/ELF radiation from atmosphere caused by seismicity.

11:45–12:00; EGU2008-A-02454; NH5.2-1FR2O-006
Balasco, M.; Lapenna, V.; Romano, G.; Siniscalchi, A.; Telesca, L.
Non-uniform scaling features in magnetotelluric signals and possible correlation with seismicity

12:00 LUNCH BREAK

Chairperson: MOLCHANOV, O.

13:30–13:45; EGU2008-A-02992; NH5.2-1FR3O-001
Yamazaki, Y.; Uyeshima, U.; Ogawa, O.; Koyama, K.
The efficacy of the magnetic total force measurement as a tool to monitor temporal changes of interplate couplings

13:45–14:00; EGU2008-A-03003; NH5.2-1FR3O-002
Inchin, A.; Ismailov, M.; Lozbin, A.
Kazakhstan's Project of Creation of Scientific Space System for Research of Earthquake Precursors

14:00–14:15; EGU2008-A-04978; NH5.2-1FR3O-003
Marchand, R.; Berthelie, J.-J.
Ionospheric response to seismic events and gravity wave impulses

14:15–14:30; EGU2008-A-11509; NH5.2-1FR3O-004
Konev, Yu.; **Novikov, V.;** Zeigarnik, V.
Analysis of Generation of Mechanical Pressure due to High-Power Electrical Current in Porous Two-Phase Geological Medium

14:30–14:45; EGU2008-A-07041; NH5.2-1FR3O-005
Vallianatos, F.; Triantis, D.
Evidence of Universality of Scaling in Pressure Stimulated Currents related to Rock Fracture

14:45–15:00; EGU2008-A-10102; NH5.2-1FR3O-006
Kyriazis, P.; Anastasiadis, C.; Triantis, D.; Vallianatos, F.
Electric circuit modeling of rock specimens that suffer compressional stress and bending

15:00 END OF SESSION

NH5.2 Electric, magnetic and electromagnetic phenomena related to earthquakes (co-listed in SM & TS) – Posters

Convener: Biagi, P.
Co-Convener(s): Hayakawa, M., Molchanov, O., Vallianatos, F.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: BIAGI, P.F.

XY0402; EGU2008-A-00054; NH5.2-1FR4P-0402
Leontyeva, O.; Dudkin, F.; Arora, B.; Rawat, G.; Sharma, A.
Analysis of magnetic field polarization parameters before and after Koyna earthquakes

XY0403; EGU2008-A-00092; NH5.2-1FR4P-0403
Kachakhidze, N.; Kachakhidze, M.; Ramishvili, G.
Electric, magnetic and electromagnetic phenomena related to earthquakes (cancelled)

XY0404; EGU2008-A-00874; NH5.2-1FR4P-0404
Mekkawi, M.; Mostafa, S.; Abdel-Moneim, M.; Rayan, A.
Subsurface imaging and recent crustal movement around Kalabsha fault, Aswan-Egypt

XY0405; EGU2008-A-01266; NH5.2-1FR4P-0405
Astafyeva, E.I.; **Afraimovich, E.L.**
TEC Anomalies prior to earthquakes: comparative analysis of regional and global TEC variations

XY0406; EGU2008-A-01574; NH5.2-1FR4P-0406
Guglielmi, A.
ULF electromagnetic waves and earthquakes: A set of unsettled problems

XY0407; EGU2008-A-01582; NH5.2-1FR4P-0407
Telesca, L.; Hattori, K.; Lapenna, V.
Non-uniform scaling features in ultra low frequency geomagnetic signals and possible correlation with seismicity

XY0408; EGU2008-A-01755; NH5.2-1FR4P-0408
Kasahara, Y.; Muto, F.; Horie, T.; Yoshida, M.; **Hayakawa, M.;** Rozhnoi, A.; Solovieva, M.; Molchanov, O. A.
A statistical study on the correlation between the ionospheric perturbations as detected by subionospheric VLF/LF propagation anomalies and earthquakes.

XY0409; EGU2008-A-01776; NH5.2-1FR4P-0409
Benghanem, K.; Dekkiche, H.; Kahlouche, S.; Idres, M.
Study of the ionospheric perturbations associated with earthquakes using wavelet transform for Demeter satellite data.

XY0410; EGU2008-A-02403; NH5.2-1FR4P-0410
Molchanov, O. A.
Correlation of social tension and seismic activity

XY0411; EGU2008-A-02448; NH5.2-1FR4P-0411
balasco, M.; Lapenna, V.; Romano, G.; Siniscalchi, A.; Telesca, L.
Earth's apparent resistivity analysis in a seismic area of southern Italy

XY0412; EGU2008-A-03335; NH5.2-1FR4P-0412
Gousheva, M.; Danov, D.; Hristov, P.
Ionospheric quasi-static electric fields anomalies during seismic activity in August- November 1981

XY0413; EGU2008-A-03411; NH5.2-1FR4P-0413
Prattes, G.; Schwingenschuh, K.; Magnes, W.; Boudjada, M.; Cristea, E.; Onishi, T.; Vellante, M.; Wesztergom, V.; Nenovski, P.; Parrot, M.
Multi point magnetic field Ultra Low Frequency measurements during seismic active periods in 2004 and 2005 for joint SEGMA and DEMETER studies

XY0414; EGU2008-A-04231; NH5.2-1FR4P-0414
BLACKETT, M.; WOOSTER, M.; MALAMUD, B.
An investigation into potential precursors to the 2001 Gujarat Earthquake, manifested as thermal anomalies

XY0415; EGU2008-A-04301; NH5.2-1FR4P-0415
Castellana, L.; Maggipinto, T.; Biagi, P.F.
Principal component analysis of VLF radio signals and pre-seismic anomaly associated with august 22, 2005 earthquake

XY0416; EGU2008-A-05405; NH5.2-1FR4P-0416
Smirnova, E.V.; Smirnov, V.M.
The modification of the electron density profile above a strong earthquake epicenter according to GPS data

XY0417; EGU2008-A-05479; NH5.2-1FR4P-0417
Smirnov, V.M.; Smirnova, E.V.
The radio transluence method as the means of detecting ionospheric foreshock

XY0418; EGU2008-A-05514; NH5.2-1FR4P-0418
Panaiotu, C.G.; Moldovan, I.A.; Moldovan, A.S.; Necula, C.; Ionescu, C.; Marmureanu, A.
The development of the Romanian tectonomagnetic network in the frame of the MEMFIS Project

XY0419; EGU2008-A-05924; NH5.2-1FR4P-0419
Tohbo, I.; Nagahama, H.; **Omori, Y.;** Ishikawa, Y.; Takahashi, M.; Sato, H.; Sekine, T.
Preseismic radon anomalies in atmosphere near the Oshika Peninsula, northeastern Japan

XY0420; EGU2008-A-05933; NH5.2-1FR4P-0420
Tohbo, I; Nagahama, H; Omori, Y; Masuda, S; Tohoku Electric Power Company, Inc
Atmospheric electric field before the 2005 off-Miyagi earthquake (M 7.2)

XY0421; EGU2008-A-06295; NH5.2-1FR4P-0421
Triantis, D.; Anastasiadis, C.; Stavrakas, I.; Vallianatos, F.
Electric charge measurements on marble samples subjected to stress up to fracture

XY0422; EGU2008-A-08042; NH5.2-1FR4P-0422
Konstantaras, A.; Fouskitakis, G.; Makris, J. P.; **Vallianatos, F.;** Varley, M. R.
Geo-electromagnetic Signal Analysis prior to the Kythira Mw 6.9 Earthquake on January 2006

XY0423; EGU2008-A-09978; NH5.2-1FR4P-0423
Vallianatos, F. ; Tzanis, A.; Triantis, D.
Moving Charged Dislocations and Pressure Stimulated Currents. From fracture processes to earthquake physics: A review

XY0424; EGU2008-A-06848; NH5.2-1FR4P-0424
Mokhtari, M.; Kiarasi, S.
The pattern and magnitude of rotational piezomagnetic anomalies along the dip-slip Mosha fault, north Tehran, Iran

XY0425; EGU2008-A-07648; NH5.2-1FR4P-0425
Yokoi, S
A possible biological mechanism of preseismic unusual animal behaviors: analyzing statements of macroanomalies before the Kobe EQ in 1995

XY0426; EGU2008-A-06307; NH5.2-1FR4P-0426
Nazarov, V.; Batanov, O.; Mogilevsky, M.; Parrot, M.; Pincon, J.-L.; Brochot, J.-Y.
Implementations of feedback approach in the distributed data mining system of heterogeneous data for DEMETER mission.

XY0427; EGU2008-A-09646; NH5.2-1FR4P-0427
Takashi Maeda, Dr.; Tadashi Takano, Dr.
Detection of the earthquake-origin microwave emission in the passive sensor data of a remotesensing satellite

XY0428; EGU2008-A-06405; NH5.2-1FR4P-0428
Boudjada, M.Y.; Blecki, J.; Biernat, H.K.; Schwingenschuh, K.; Parrot, M.; Berthelier, J.J.; Prattes, P.
Quantitative method applied to estimate the activity index associated to ELF/VLF electromagnetic emissions

XY0429; EGU2008-A-11172; NH5.2-1FR4P-0429
Grigoropoulos, K.N.; Saragas, E.
Monitoring faint electric dynamic forces in atmosphere as a possible precursor detection of earthquakes. (The Athens' two cases)

XY0430; EGU2008-A-06729; NH5.2-1FR4P-0430
Marchand, R.; Berthelier, J.-J.; Seran, E.
Ionospheric variability associated with seismic/magnetospheric activity

XY0431; EGU2008-A-07165; NH5.2-1FR4P-0431
Namgaladze, A.A.; Zolotov, O.V.; **Zakharenkova, I.E.;** Shagimuratov, I.I.; Martynenko, O.V.
Possible physical explanation and modeling of the ionospheric perturbations observed before earthquakes

XY0432; EGU2008-A-07864; NH5.2-1FR4P-0432
Zakharenkova, I.E.; Afraimovich, E.L.; Shagimuratov, I.I.; Tepenitzina, N.Yu.
Modification of low-latitudinal ionosphere associated with seismic event

NH5.3 Deformation processes and accompanying mechanical and electromagnetic phenomena, for rocks and other materials, from the laboratory to the geophysical scale (co-listed in SM & TS) – Posters

Convener: Eftaxias, K.
Co-Convener(s): Chelidze, T., Morgounov, V., Nomicos, C., Manda, M.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: RUZHIN, YU

XY0433; EGU2008-A-01564; NH5.3-1FR4P-0433
Eftaxias, K.; Contoyiannis, Y.; Balasis, G.; Kalimeri, M.; Kopanas, J.; Antonopoulos, G.; Peratzakis, A.; Nomicos, C.
Evidence of fractional-Brownian-motion-type asperity model for earthquake generation in candidate pre-seismic electromagnetic emissions

XY0434; EGU2008-A-01566; NH5.3-1FR4P-0434
Papadimitriou, C.; Kalimeri, M.; Antonopoulos, G.; Kopanas, J.; Peratzakis, A.; **Eftaxias, K.**
Nonextensivity and universality in the earthquake preparation process in terms of Tsallis statistics

XY0435; EGU2008-A-01567; NH5.3-1FR4P-0435
Nikolopoulos, S.; Karamanos, K.; **Eftaxias, K.**
Detrended fluctuation analysis of pre-seismic electromagnetic emissions

XY0436; EGU2008-A-01599; NH5.3-1FR4P-0436
Ida, Y.; Naoyuki, N.; Masuda, S.; Hayakawa, M.
Fractal analysis results of electromagnetic emissions (ULF and VHF) associated with earthquakes.

XY0437; EGU2008-A-02158; NH5.3-1FR4P-0437
Kuznetsov, V.D.; Ruzhin, Yu.Ya; Dokukin, V.S.; Danilkin, V.A.
Potentialities of the Compas-2 satellite in studying the ionospheric disturbances associated with the seismic, meteorological and human activities

XY0438; EGU2008-A-02264; NH5.3-1FR4P-0438
Balasis, G.; Manda, M.
A study of CHAMP satellite magnetic data for electromagnetic signatures possibly related to earthquakes

XY0439; EGU2008-A-02357; NH5.3-1FR4P-0439
Chelidze, T.; Lursmanashvili, O.; Varamashvili, N.; Matcharashvili, T.; Meparidze, E.
Acoustics of stick-slip deformation under external forcing: the model of seismic process

XY0440; EGU2008-A-04610; NH5.3-1FR4P-0440
Cavouras, D.; Georgiadis, P.; Ninos, K.; Nomicos, C.
Electromagnetic signals monitoring by smartphones and 3G wireless networks

XY0441; EGU2008-A-05081; NH5.3-1FR4P-0441
Koulouras, G; Valasis, G; Kiourktsidis, I; Nannos, E; Kontakos, K; Stonham, J; Ruzhin, Y; Eftaxias, K; **Nomicos, C**
Solar activity and Electromagnetic emissions in VHF band acquired from ground base monitors during “Martin Luther King Storm” happened on January 15th and 17th 2005

XY0442; EGU2008-A-07005; NH5.3-1FR4P-0442
Ouzounov, D.; Pulinets, S; Hattori, K; Cervone, G; Parrot, M; Liu, Y; Taylor, P
Joint Analysis of Satellite and Ground Based EM Signals Connected with Major Earthquake Activities

XY0443; EGU2008-A-07153; NH5.3-1FR4P-0443

Stefansson, R.

The possibility that fluids from below the can modify conditions in the seismogenic crust for the release of large earthquakes reveals new possibilities for earthquake warnings on a long and short time scale.

NH6.2 Extreme Sea Waves (co-listed in OS)

Convener: Pelinovsky, E.

Co-Convener(s): Kharif, C.

Lecture Room 25

Chairperson: PELINOVSKY, E.

8:30–8:45; EGU2008-A-01936; NH6.2-1FR1O-001

Gramstad, O.; Cavaleri, L.; Janssen, P.; Monbaliu, J.; Onorato, M.; Osborne, A.R.; Serio, M.; Stansberg, C.T.; Toffoli, A.; Trulsen, K.

Statistical properties of directional surface gravity waves: A laboratory experiment with mechanically generated waves

8:45–9:00; EGU2008-A-12181; NH6.2-1FR1O-002

Slunyaev, A.; Shemer, L.; Dorfman, B.

Strongly nonlinear simulation of wave packet dynamics and verification versus laboratory experiment

9:00–9:15; EGU2008-A-07466; NH6.2-1FR1O-003

Hjelmervik, K.; Trulsen, K.

Freak waves on collinear current jets

9:15–9:30; EGU2008-A-11580; NH6.2-1FR1O-004

Babanin, A.V.; Chalikov, D.; Young, I.R.; Savelyev, I.

Properties of the wave breaking onset

9:30–9:45; EGU2008-A-00964; NH6.2-1FR1O-005

Lopatoukhin, L.; Boukhanovsky, A.

Wind wave climate (with particular attention to extreme and freak waves)

9:45–10:00; EGU2008-A-01273; NH6.2-1FR1O-006

Kartashova, E.

Kinematic theory of nonlinear resonances

10:00 COFFEE BREAK

Chairperson: KRAENKEL, R.

10:30–10:45; EGU2008-A-00332; NH6.2-1FR2O-001

Talipova, T.G.

The Gardner equation in nonlinear theory of extreme waves in stratified medium (solicited)

10:45–11:00; EGU2008-A-04253; NH6.2-1FR2O-002

Morozov, E.

Extreme internal tides in the Strait of Gibraltar

11:00–11:15; EGU2008-A-01109; NH6.2-1FR2O-003

Zahibo, N.; Nikolkina, I.; Didenkulova, I.

Storm surges induced by hurricane Dean in Guadeloupe: 16-17 August, 2007

11:15–11:30; EGU2008-A-02909; NH6.2-1FR2O-004

Shishkina, O.D.

Structure of internal wave system past a drifting iceberg

11:30–11:45; EGU2008-A-06864; NH6.2-1FR2O-005

Duval, M.; **Astruc, D.;** Legendre, D.

Direct numerical simulation of Stokes waves breaking and related dissipation

11:45–12:00; EGU2008-A-01243; NH6.2-1FR2O-006

Antuono, M.; Brocchini, M.

Extreme waves at the shoreline

12:00 END OF SESSION

NH6.2 Extreme Sea Waves (co-listed in OS) – Posters

Convener: Pelinovsky, E.

Co-Convener(s): Kharif, C.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: KHARIF, CH.

XY0444; EGU2008-A-00284; NH6.2-1FR3P-0444

Pelinovsky, E.; Didenkulova, I.

Strong wave amplification on monotonic beaches (solicited)

XY0445; EGU2008-A-02813; NH6.2-1FR3P-0445

Crespo, A. J.; Gómez-Gesteira, M.; Dalrymple, R. A.; Iglesias, I.

Funwave-SPHysics model to study extreme waves propagation

XY0446; EGU2008-A-00286; NH6.2-1FR3P-0446

Choi, B.H.; **Pelinovsky, E.;** Kim, D.C.; Didenkulova, I.; Woo, S.B.

Two- and three-dimensional computation of solitary wave runup on non-plane beach

XY0447; EGU2008-A-00920; NH6.2-1FR3P-0447

Didenkulova, I.; Lechuga, A.; Pelinovsky, E.

Runup height distribution of large-amplitude waves climbing a plane beach

XY0448; EGU2008-A-00417; NH6.2-1FR3P-0448

Sepic, J.; Vilibic, I.; Belusic, D.

The nature of extraordinary tsunami-like oscillations observed on island of Ist (Adriatic Sea)

XY0449; EGU2008-A-00447; NH6.2-1FR3P-0449

Talipova, T.G.; Kharif, Ch.; Giovanangeli, J.-P.

Modeling of rogue wave shapes in shallow water

XY0450; EGU2008-A-01129; NH6.2-1FR3P-0450

Talipova, T.

Dispersive focusing of nonlinear internal waves in horizontally inhomogeneous ocean

XY0451; EGU2008-A-01130; NH6.2-1FR3P-0451

Talipova, T.; Pelinovsky, E.; Ruderman, M.

Ion-sound rogue waves in plasma with negative ions

XY0452; EGU2008-A-01132; NH6.2-1FR3P-0452

Talipova, T.; Pelinovsky, E.; Zahibo, N.

Interface linear wave transmission on the “non-reflected” beach.

XY0453; EGU2008-A-01133; NH6.2-1FR3P-0453

Talipova, T.; Polukhina, O.; Bezruk, I.

Modeling of internal waves over the critical latitude

XY0454; EGU2008-A-01441; NH6.2-1FR3P-0454

Talipova, T.; Grimshaw, R.; Pelinovsky, E.

Fission of an interfacial solitary wave at a step

XY0455; EGU2008-A-01875; NH6.2-1FR3P-0455

Ezersky, A.; **Slunyaev, A.;** Mouazé, D.

Generation of modulations of surface gravity waves in a shallow-water resonator

XY0456; EGU2008-A-01965; NH6.2-1FR3P-0456

Kovalev, P.; Shevchenko, G.; Kovalev, D.

Experimental study of surf beats near southeastern coast of Sakhalin Island

XY0457; EGU2008-A-02707; NH6.2-1FR3P-0457
Chambarel, J.; Touboul, J.

The run-up of very steep solitons on a vertical wall

XY0458; EGU2008-A-00364; NH6.2-1FR3P-0458

Kraenkel, R.A.; Kharif, C.; Manna, M.A.

Modulational instability of waves under action of wind: NLS and Jeffrey's sheltering

XY0459; EGU2008-A-02917; NH6.2-1FR3P-0459

Maas, L.; Morozov, E.; Pelinovsky, E.; **Shishkina, O.**; Talipova, T.

NWO-RFBR project on global variability of water mixing in the World Ocean and its influence on convection and internal waves in Sub-Polar zones

XY0460; EGU2008-A-04128; NH6.2-1FR3P-0460

Soomere, T.; Zaitseva, I.; **Kelpsaite, L.**

Mismatch of trends of average wave activity and extreme wave conditions in the northern Baltic Sea

XY0461; EGU2008-A-06692; NH6.2-1FR3P-0461

Makarenko, N.; Maltseva, J.; Kazakov, A.

Conjugate flows and amplitude bounds for extreme internal waves

XY0462; EGU2008-A-07542; NH6.2-1FR3P-0462

Gavrilova, K.; Khakimzyanov, G.; Liapidevskii, V.

Mixing and dispersion effects in shallow water dynamics

XY0463; EGU2008-A-05258; NH6.2-1FR3P-0463

Mayorov, Yu.; Maximov, V.; Nudner, I.

The shoreline evolution under the storm action

XY0464; EGU2008-A-05268; NH6.2-1FR3P-0464

Kamynin, E.; Revyakin, A.; Nudner, I.; **Maximov, V.**; Babchik, D.

Improvement of the wave-protective features of the partly-permeable breakwater pier (an experimental study)

XY0465; EGU2008-A-12007; NH6.2-1FR3P-0465

Sohel Rana, M.

Physical vulnerability analysis of a flood prone community: a study on Nabinagar Thana of Bhramanbaria District

XY0466; EGU2008-A-12009; NH6.2-1FR3P-0466

Sohel Rana, M.; Atta Rabbi, M.

Developing a flood disaster risk index

XY0467; EGU2008-A-12011; NH6.2-1FR3P-0467

Sohel Rana, M.; Wafi Ur Rahim, M.

Review of flood damage assessment procedures

XY0468; EGU2008-A-01733; NH6.2-1FR3P-0468

Slunyaev, A.; Shemer, L.; Dorfman, B.

Strongly nonlinear wave packet simulation verification versus laboratory experiment (cancelled)

NH6.4 Coastal hazards and storm surges: from operational prediction to climate change (co-listed in OS)

Convener: Lionello, P.

Co-Convener(s): Mendez, F., Tsimplis, M., Violante, C.

Lecture Room 17

Chairperson: MENDEZ, F.

15:45–16:00; EGU2008-A-06684; NH6.4-1FR4O-002

Rufin-Soler, C.; Héquette, A.; Gargel, A.

Using topographic lidar to map the potential impact of extreme flooding events for Sangatte coastal dunes, northern France

16:00–16:15; EGU2008-A-10264; NH6.4-1FR4O-003

van Heteren, S.; Bakker, M.A.J.; Oost, A.P.; van der Spek, A.J.F.; van der Valk, L.

Sedimentary Signature of a Storm-surge Unit in the western Netherlands coastal Dunes

16:15–16:30; EGU2008-A-00118; NH6.4-1FR4O-004

Marcos, M.; Tsimplis, M.N.; Shaw, A.G.P.

Extreme sea levels in the Mediterranean Sea from observations and storm surge models

16:30–16:45; EGU2008-A-03396; NH6.4-1FR4O-005

von Storch, H.; Woth, K.; Weisse, R.; **Meyer, E.**

Expected Future Changes in North Sea Storm Surge Statistics 2070-2100

16:45–17:00; EGU2008-A-11536; NH6.4-1FR4O-006

Fenstermacher, L.E.; Baig, S.R.; Shaffer, W.; Gill, S.; Zervas, C.E.; Donoho, N.A.

Integrating storm surge observations and forecast products for event response and climate change monitoring

17:00 END OF SESSION

NH6.4 Coastal hazards and storm surges: from operational prediction to climate change (co-listed in OS) – Posters

Convener: Lionello, P.

Co-Convener(s): Mendez, F., Tsimplis, M., Violante, C.

Display Time: Friday, 08:00–19:30

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

Poster Area Halls X/Y

Chairperson: LIONELLO, P.

XY0469; EGU2008-A-00555; NH6.4-1FR3P-0469

Yu, J.

A generation mechanism for rip currents

XY0470; EGU2008-A-05106; NH6.4-1FR3P-0470

Stegmann, S.; Kopf, A.; Krastel, S.; Spiess, V.; Förster, A.; Metzen, J.; Stroyk, F.

In situ cone penetrometer measurements identify excess pore pressure regimes in subbottom sediments: A further piece in the puzzle the Nice 1979 Airport Slide (French Riviera)

XY0471; EGU2008-A-05158; NH6.4-1FR3P-0471

Kopf, A.

Geochemical evidence for groundwater-charging of slope sediments: The Nice airport 1979 landslide and tsunami revisited

XY0472; EGU2008-A-07945; NH6.4-1FR3P-0472

Violante, C.

Geohazards in rocky coastal areas

XY0473; EGU2008-A-07962; NH6.4-1FR3P-0473

Zoran, L.F.; Ionescu Golovanov, C.

Assessment of North-Western Black Sea coastal zone erosion by satellite data

XY0474; EGU2008-A-09422; NH6.4-1FR3P-0474

Esposito, E.; **Porfido, S.**

Geomorphological changes caused by (re)activation of tectonic structures in Southern Italy

XY0475; EGU2008-A-11351; NH6.4-1FR3P-0475

Redweik, P.; Matildes, R.; **Marques, F.**

A strategy for using old aerial photographs for sea cliff retreat measurement

XY0476; EGU2008-A-12125; NH6.4-1FR3P-0476

Alonso, I.; Cabrera, L.L.; Jimenez, J.A.; Valdemoro, H.I.; Sanchez, I.

Causes and consequences of severe coastal retreat in southern Fuerteventura (Spain)

XY0477; EGU2008-A-00119; NH6.4-1FR3P-0477

Tsimplis, M. N.; Marcos, M.; Horsburgh, K.; Bernier, N.

Analysis of the performance of three 2d storm surge models

XY0478; EGU2008-A-00617; NH6.4-1FR3P-0478
Ghionis, G; **Poulos, S;** Kampanis, N; Verikiou, E;
Karditsa, A; Alexandrakis, G; Andris, P
The effects of a severe storm event on the NW coast of
Lefkada Island, Ionian Sea (Greece).

XY0479; EGU2008-A-02880; NH6.4-1FR3P-0479
Lionello, P.; Pino, C.; Tomasin, A.
Trends and variability of storm surge events in Venice

XY0480; EGU2008-A-02882; NH6.4-1FR3P-0480
Lionello, P.; Elvini, E.; De Zolt, S.
Storm surge scenario simulations in the Northern Adriatic
Sea

XY0481; EGU2008-A-04136; NH6.4-1FR3P-0481
Bajo, M.; Umgiesser, G.; Borghesan, A.
Storm surge forecasting in Venice with a combination of
hydrodynamic modelling and neural networks.

XY0482; EGU2008-A-05256; NH6.4-1FR3P-0482
Sztobryn, M.
Storm Surges Forecast and Climate - Southern Baltic Sea

XY0483; EGU2008-A-06096; NH6.4-1FR3P-0483
Nicotina, L.; Beraldin, F.; Botter, G.; Cecconi, G.;
Marani, M.; Uccelli, A.; Rinaldo, A.
Hydrological remarks about the safety of Venice

XY0484; EGU2008-A-06358; NH6.4-1FR3P-0484
Wilson, C.; Horsburgh, K.J.; Williams, J.; Blackman, D. L.
UK storm surge statistics for the last 45 years: observations
versus the operational model forced with the ECMWF
reanalysis

NH9.10 Mountain Risks: integration of predictions, management and governance

Convener: Bogaard, T.
Co-Convener(s): Glade, T., Fuchs, S., Keiler, M.
Lecture Room 17
Chairperson: BOGAARD, T.A.

13:30–13:45; EGU2008-A-07045; NH9.10-1FR3O-001
Malet, J.-P.; Maquaire, O.; van Asch, Th.; Giacomelli, P.;
Sterlacchini, S.; Corominas, J.; Glade, T.; Greiving, S.;
Remaître, A.
The 'Mountain Risks' research project: challenges in risk
prediction, management and governance.

13:45–14:00; EGU2008-A-12198; NH9.10-1FR3O-002
Fuchs, S.
Mountain risks – assessment and management, myth and
reality (solicited)

14:00–14:15; EGU2008-A-07035; NH9.10-1FR3O-003
Mavrouli, O.
Structural response and vulnerability assessment of build-
ings in front of the rockfall impact

14:15–14:30; EGU2008-A-07299; NH9.10-1FR3O-004
Remaître, A.; Malet, J.-P.; Maquaire, O.
Considerations on debris-flow hazard analysis, risk assess-
ment and management.

14:30–14:45; EGU2008-A-01335; NH9.10-1FR3O-005
Geertsema, M.; Safford, K.; Gawalko, L.; Dobson, D
Prescribed burning in British Columbian parks - balancing
biodiversity, habitat, forest health, and fuel management
issues with terrain hazards.

14:45–15:00; EGU2008-A-04195; NH9.10-1FR3O-006
Sudmeier-Rieux, K.; Qureshi, R.; Peduzzi, P.; Jaboyed-
off, M.; Dubois, J.; Breguet, A.; Jaubert, R.
Land use and landslides in Azad Kashmir and Jammu,
Pakistan:

15:00 END OF SESSION

NH10.2 Tree-ring reconstructions in natural hazards research

Convener: Stoffel, M.
Co-Convener(s): Bollschweiler, M.
Lecture Room 25
Chairperson: BOLLSCHWEILER, M.

13:30–13:45; EGU2008-A-09156; NH10.2-1FR3O-001
Simard, J.; Fillion, L.
Impact of forest fire on slope dynamics in eastern boreal
Canada (Anticosti Island, Québec)

13:45–14:00; EGU2008-A-07741; NH10.2-1FR3O-002
Ballesteros, J.A.; Stoffel, M.; Bollschweiler, M.; Hitz, O.;
Díez-Herrero, A.; Bodoque, J.M.; Dendro-Avenidas Team
Wood anatomy of debris-flood scars in broadleaved tree
species of central Spain

14:00–14:15; EGU2008-A-07309; NH10.2-1FR3O-003
Schneuwly, D. M.; Stoffel, M.
Spatial analysis of rockfall activity, bounce heights and
geomorphic changes over the last 50 years

14:15–14:30; EGU2008-A-09965; NH10.2-1FR3O-004
Moya, J.; Corominas, J.; Perez Arcas, J.
Dendrogeomorphological determination of the frequency of
rockfalls at Solà d'Andorra (Andorra Principality): sampling
strategies and completeness of the record

14:30–14:45; EGU2008-A-11104; NH10.2-1FR3O-005
Pavlova, I.; Solomina, O.; Curtis, A.; Jacoby, G.; Pono-
mareva, V.; Pevzner, M.
Constraining recent Shiveluch volcano eruptions (Kam-
chatka, Russia) by means of dendrochronology

14:45–15:00; EGU2008-A-01807; NH10.2-1FR3O-006
Stoffel, M.; Bollschweiler, M.
Tree-ring based lahar reconstruction on the slopes of Volcán
Popocatepetl (México)

15:00 END OF SESSION

NH10.2 Tree-ring reconstructions in natural hazards research – Posters

Convener: Stoffel, M.
Co-Convener(s): Bollschweiler, M.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: STOFFEL, M.

XY0485; EGU2008-A-01802; NH10.2-1FR4P-0485
Bollschweiler, M.; Stoffel, M.; Schneuwly, D.M.;
Bourqui, K.
Tangential rows of traumatic resin ducts in Larix decidua
trees impacted by debris flows

XY0486; EGU2008-A-07837; NH10.2-1FR4P-0486
Díez-Herrero, A.; **Ballesteros, J.A.;** Llorente, M.;
Bodoque, J.M.; Stoffel, M.; Dendro-Avenidas Team
Towards a classification of dendrogeomorphological evi-
dences and their utility in flood hazard analysis

XY0487; EGU2008-A-08535; NH10.2-1FR4P-0487

Génova, M.; García-Calvo, D.; Maldonado, F.J.; Rubiales, J.M.
Tree rings and fire in an Iberian stand of *Pinus nigra* subsp. *salzmannii*

XY0488; EGU2008-A-05183; NH10.2-1FR4P-0488

Kázmér, M.; Kóródy, G.; Székely, B.
Rates of sheet erosion and gully head retreat compared - a study on growth rings in deciduous tree roots in tectonically active areas

XY0489; EGU2008-A-01311; NH10.2-1FR4P-0489

Lopez Saez, J.; Corona, C.; Berger, F.
Use of resistograph for dendrogeomorphological analysis of avalanche impacts (Massif de l'Oisans, France)

XY0490; EGU2008-A-09518; NH10.2-1FR4P-0490

Stoffel, M.; Bollschweiler, M.; Hitz, O. M.; Arbellay, E.; Schlaeppy, R.
Growth reactions in different deciduous trees after debris-flow and snow avalanche activity