NH – Natural Hazards – Oral Sessions

Monday, 23 April	
MO1, 08:30–10:00	**HS2.5**, Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), **08:30–12:00** in **Room 33**
	NH1.4/AS4.14, Lightning: physics, detection and atmospheric effects (co-organized), **08:30–12:00** in **Room 1**
	NH2.1, Modeling of Volcanic Hazards (including Arne Richter Award for Outstanding Young Scientists Lecture), **08:30–12:30** in **Room 4**
	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–17:00** in **Room D**
MO2, 10:30–12:00	**GMPV4.2/TS4.9**, Volcanoes: Tectonics, Deformation, Geodesy (co-listed), **10:30–17:00** in **Room 27**
	HS2.5, Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), **08:30–12:00** in **Room 33**
	HS4.6, Why predict? The value of prediction in hydrological sciences and policy (co-listed), **10:30–12:00** in **Room 39**
	NH1.4/AS4.14, Lightning: physics, detection and atmospheric effects (co-organized), **08:30–12:00** in **Room 1**
	NH2.1, Modeling of Volcanic Hazards (including Arne Richter Award for Outstanding Young Scientists Lecture), **08:30–12:30** in **Room 4**
	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–17:00** in **Room D**
MO3, 13:30–15:00	**GM8.4/OS3.6/TS4.10**, Seafloor Expression of Tectonic and Geomorphic Processes (co-listed), **13:30–15:00** in **Room 21**
	GMPV4.2/TS4.9, Volcanoes: Tectonics, Deformation, Geodesy (co-listed), **10:30–17:00** in **Room 27**
	NH1.6/HS4.7, Flood risk and uncertainty (co-organized), **13:30–15:00** in **Room 1**
	NH3.1, Mechanisms and processes of landslides induced by water, **13:30–15:00** in **Room 4**
	PSD19.3, NH2.1 - Modeling of Volcanic Hazards (including Arne Richter Award for Outstanding Young Scientists Lecture), **14:30–15:15** in **Room 40**
	PSD19.13, NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 - Spatial and temporal patterns of wildfires: models, theory, and reality, **14:30–15:15** in **Room 37**
MO4, 15:30–17:00	**GMPV4.2/TS4.9**, Volcanoes: Tectonics, Deformation, Geodesy (co-listed), **10:30–17:00** in **Room 27**
	NH3.2, Mechanisms and processes of landslides in seismically- or volcanically-active environments, **15:30–17:00** in **Room 4**
	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–17:00** in **Room D**
	NH8.6, Sinkholes: from susceptibility to risk evaluation and mapping, **15:30–17:00** in **Room 1**
	PSD19.2, NH1.4/AS4.14 - Lightning: physics, detection and atmospheric effects, **15:30–16:15** in **Room 40**
	SM2.0/GD2.10/NH4.10/TS8.8, The 23 October 2011 Van Earthquake - Losses and Lessons (co-organized), **15:30–17:00** in **Room 26**
	SSS5.20, Understanding Fire Phenomena in the Earth System Using Interdisciplinary Approaches (co-listed), **15:30–17:00** in **Room 22**

	SSS6.2, Eco-engineering mitigations against natural hazards: Biological and Geophysical contributions to sustainable soil bioengineering in a changing world (co-listed), **15:30–17:00** in **Room 3**
Tuesday, 24 April	
TU1, 08:30–10:00	**NH1.11/AS4.16/CL2.4**, Hazard Risk Managment in Agriculture and Agroecosystems (co-organized), **08:30–12:00** in **Room 1**
	NH3.3/GM6.3, Rockfalls, rockslides and rock avalanches (co-organized), **08:30–12:00** in **Room 4**
	SM2.1/GD1.3/NH4.9/TS8.5, Large Earthquake and Tsunami Activity (co-organized), **08:30–12:00** in **Room 26**
TU2, 10:30–12:00	**HS5.9**, Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development (co-listed), **10:30–12:00** in **Room 39**
	NH1.11/AS4.16/CL2.4, Hazard Risk Managment in Agriculture and Agroecosystems (co-organized), **08:30–12:00** in **Room 1**
	NH3.3/GM6.3, Rockfalls, rockslides and rock avalanches (co-organized), **08:30–12:00** in **Room 4**
	PSD19.26, NH9.9 - Natural hazard impact on technological systems and urban areas, **11:30–12:15** in **Room 37**
	SM2.1/GD1.3/NH4.9/TS8.5, Large Earthquake and Tsunami Activity (co-organized), **08:30–12:00** in **Room 26**
TUL, 12:15–13:15	**PSD19.1**, NH1.11/AS4.16/CL2.4 - Hazard Risk Managment in Agriculture and Agroecosystems, **12:15–13:00** in **Room 35**
TU3, 13:30–15:00	**EMRP2.6/GMPV6.10/NH4.1/SM5.5/TS2.9**, Thermo-mechanical coupling and physical properties: implications to natural hazards (co-organized), **13:30–17:00** in **Room 42**
	HS2.4, Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems (co-listed), **13:30–17:00** in **Room 34**
	HS4.3/AS1.18/NH1.2, Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), **13:30–17:00** in **Room 36**
	NH3.5, Advanced methods in landslides research I: remote sensing and geophysics, **13:30–17:00** in **Room 4**
	NH4.2/NP7.4/SM5.3/TS8.7, Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), **13:30–17:15** in **Room 1**
TU4, 15:30–17:00	**EMRP2.6/GMPV6.10/NH4.1/SM5.5/TS2.9**, Thermo-mechanical coupling and physical properties: implications to natural hazards (co-organized), **13:30–17:00** in **Room 42**
	HS2.4, Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems (co-listed), **13:30–17:00** in **Room 34**
	HS4.3/AS1.18/NH1.2, Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), **13:30–17:00** in **Room 36**
	NH3.5, Advanced methods in landslides research I: remote sensing and geophysics, **13:30–17:00** in **Room 4**
	NH4.2/NP7.4/SM5.3/TS8.7, Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), **13:30–17:15** in **Room 1**

	NH9.9, Natural hazard impact on technological systems and urban areas, **15:30–17:00** in **Room 7**
Wednesday, 25 April	
WE1, 08:30–10:00	**GI2.5**, Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), **08:30–12:00** in **Room 42**
	HS4.1/GM7.8/NH1.7, Flash floods: processes, forecasting and risk management (co-organized), **08:30–12:00** in **Room 39**
	NH1.1/AS1.16, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), **08:30–15:00** in **Room D**
	NH3.6, Advanced methods in landslides research II: modelling, **08:30–10:00** in **Room 4**
	NH5.5, Storm surges, coastal flooding and erosion: extreme events, damage and risk, **08:30–10:00** in **Room 1**
	PSD19.10, NH5.6 - Sea hazards and ship operations, **08:30–09:15** in **Room 40**
	PSD19.21, NH9.7 - Vulnerability assessments in natural hazard and risk analysis, **09:30–10:15** in **Room 35**
	SSS7.3, Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), **08:30–12:00** in **Room 3**
WE2, 10:30–12:00	**GI2.5**, Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), **08:30–12:00** in **Room 7**
	HS4.1/GM7.8/NH1.7, Flash floods: processes, forecasting and risk management (co-organized), **08:30–12:00** in **Room 39**
	NH1.1/AS1.16, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), **08:30–15:00** in **Room D**
	NH3.8, Prediction and forecasting of landslides, **10:30–12:00** in **Room 4**
	NH5.3/NP 7.3/OS2.6, Nonlinear Dynamics of the Coastal Zone (co-organized), **10:30–15:00** in **Room 1**
	SSS7.3, Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), **08:30–12:00** in **Room 3**
WEL, 12:15–13:15	**PSD19.9**, NH5.3/NP 7.3/OS2.6 - Nonlinear Dynamics of the Coastal Zone, **12:15–13:00** in **Room 35**
WE3, 13:30–15:00	**NH1.1/AS1.16**, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), **08:30–15:00** in **Room D**
	NH3.9, Submarine Landslides: Mechanisms, Processes and their Sedimentary Record, **13:30–15:00** in **Room 4**
	NH5.3/NP 7.3/OS2.6, Nonlinear Dynamics of the Coastal Zone (co-organized), **10:30–15:00** in **Room 1**
	NH9.7, Vulnerability assessments in natural hazard and risk analysis, **13:30–15:00** in **Room 8**
	PSD16.11, HS4.1/GM7.8/NH1.7 - Flash floods: processes, forecasting and risk management, **13:30–14:15** in **Room 35**
	PSD19.30, NH3.12 - SafeLand Project and other research on effects of global change on spatial and temporal patterns of landslide risk, **14:30–15:15** in **Room SM2**
WE4, 15:30–17:00	**NH3.12**, SafeLand Project and other research on effects of global change on spatial and temporal patterns of landslide risk, **15:30–17:00** in **Room 4**

	NH5.6, Sea hazards and ship operations, **15:30–17:00** in **Room 1**
	NH9.11, Multi-type hazard and risk assessment, **15:30–17:00** in **Room 8**
	PSD19.27, NH9.10 - Incorporating spatio-temporal variability into risk management, **15:30–16:15** in **Room 40**
	PSD19.29, PSD19.29 - Storm surges, coastal flooding and erosion: extreme events, damage and risk, **16:30–17:15** in **Room 40**
	SM2.4/G3.7/NH4.8/TS8.6, Investigating earthquake physics through source imaging and scaling studies (co-organized), **15:30–17:00** in **Room 26**
	TS8.2/G3.8/NH4.4/SM2.11, Seismotectonics and crustal deformation in Africa (co-organized), **15:30–17:00** in **Room 27**
Thursday, 26 April	
TH1, 08:30–10:00	**GMPV4.4**, Recent explosive eruptions: Conduit processes, ash dispersal and effects on aviation (co-listed), **08:30–12:00** in **Room 27**
	HS7.1, Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), **08:30–12:00** in **Room 33**
	NH3.7, Large slope instabilities: characterisation, dating, triggering, monitoring and modelling, **08:30–12:00** in **Room 4**
	NH5.7/ESSI1.7, Architecture of Future Tsunami Warning Systems (co-organized), **08:30–10:00** in **Room 1**
	NH9.1, Natural Catastrophe Risk Assessment: Integrating Public Private Academic Partnerships into Applications and Decision Making, **08:30–12:00** in **Room 8**
	PSD19.5, NH5.1 - New developments in tsunami science and in mitigation of tsunami risk, including early warning, **08:30–09:15** in **Room 37**
	SM2.4/G3.7/NH4.8/TS8.6, Investigating earthquake physics through source imaging and scaling studies (co-organized), **15:30–17:00** in **Room 26**
TH2, 10:30–12:00	**GMPV4.4**, Recent explosive eruptions: Conduit processes, ash dispersal and effects on aviation (co-listed), **08:30–12:00** in **Room 27**
	HS2.6, Hydrological extremes: from droughts to floods (co-listed), **10:30–17:00** in **Room 36**
	HS7.1, Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), **08:30–12:00** in **Room 33**
	NH3.7, Large slope instabilities: characterisation, dating, triggering, monitoring and modelling, **08:30–12:00** in **Room 4**
	NH5.1, New developments in tsunami science and in mitigation of tsunami risk, including early warning, **10:30–17:00** in **Room 1**
	NH9.1, Natural Catastrophe Risk Assessment: Integrating Public Private Academic Partnerships into Applications and Decision Making, **08:30–12:00** in **Room 8**
	SM5.4/NH4.6, Time-dependent earthquake occurrence and seismic hazard: physics and statistics (co-organized), **10:30–17:00** in **Room 26**
TH3, 13:30–15:00	**HS2.6**, Hydrological extremes: from droughts to floods (co-listed), **10:30–17:00** in **Room 36**
	NH3.11, Landslide hazard and risk assessment, and landslide management, **13:30–17:00** in **Room 4**
	NH5.1, New developments in tsunami science and in mitigation of tsunami risk, including early warning, **10:30–17:00** in **Room 1**
	NH9.8/EOS9, Geoethics and natural hazards: communication, education and the science-policy-practice interface (co-organized), **13:30–15:00** in **Room 8**
	SM5.4/NH4.6, Time-dependent earthquake occurrence and seismic hazard: physics and statistics (co-organized), **10:30–17:00** in **Room 26**

	SM5.7/GMPV6.14/NH2.3, Electromagnetic, seismic and other geophysical methods applied to volcano imaging and monitoring for hazard assessment (co-organized), **13:30–15:00** in **Room 2**
	ST5.1/NH1.10/PS5.5, Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications (co-organized), **13:30–15:00** in **Room 24**
TH4, 15:30–17:00	**HS2.6**, Hydrological extremes: from droughts to floods (co-listed), **10:30–17:00** in **Room 36**
	NH3.10, Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures, **15:30–17:00** in **Room 8**
	NH3.11, Landslide hazard and risk assessment, and landslide management, **13:30–17:00** in **Room 4**
	NH5.1, New developments in tsunami science and in mitigation of tsunami risk, including early warning, **10:30–17:00** in **Room 1**
	PSD19.31, NH9.8/EOS9 - Geoethics and natural hazards: communication, education and the science-policy-practice interface, **16:30–17:15** in **Room 35**
	SC3/NH10.1, Short Course: How to apply and interpret the Fast Fourier Transform (co-organized), **15:30–17:00** in **Room 42**
	SM5.4/NH4.6, Time-dependent earthquake occurrence and seismic hazard: physics and statistics (co-organized), **10:30–17:00** in **Room 26**
Friday, 27 April	
FR1, 08:30–10:00	**CR8.10**, Mountain snow cover and avalanche formation (co-listed), **08:30–10:00** in **Room 9**
	GM2.1, High definition topography - data acquisition, modelling, interpretation (co-listed), **08:30–12:00** in **Room 22**
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **08:30–17:00** in **Room 33**
	NH5.2, Extreme Sea Waves, **08:30–15:00** in **Room 1**
	NH9.3, The Costs of Natural Hazards, **08:30–12:00** in **Room 8**
	PSD19.28, NH8.1 - Heavy-metal contamination of the environment, **09:30–10:15** in **Room 35**
FR2, 10:30–12:00	**GM2.1**, High definition topography - data acquisition, modelling, interpretation (co-listed), **08:30–12:00** in **Room 22**
	GM7.3/HS9.7/NH1.9, Morphodynamics of steep mountain channels (co-organized), **10:30–12:00** in **Room 21**
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **08:30–17:00** in **Room 33**
	NH4.5, Electro-magnetic phenomena and connections with seismo-tectonic activity, **10:30–17:00** in **Room 4**
	NH5.2, Extreme Sea Waves, **08:30–15:00** in **Room 1**
	NH6.2, Snow avalanche dynamics including interaction with structures, hazard mapping and risk management, **10:30–12:00** in **Room 9**
	NH9.3, The Costs of Natural Hazards, **08:30–12:00** in **Room 8**
	PSD19.25, NH9.2 - Social capacity building: an emerging field of research and practice for Europe, **11:30–12:15** in **Room 37**

FRL, 12:15–13:15	**PSD19.24**, NH6.2 - Snow avalanche dynamics including interaction with structures, hazard mapping and risk management, **12:15–13:00** in **Room SM5**
	PSD19.32, NH5.2 - Extreme Sea Waves, **12:15–13:00** in **Room SM6**
	PSD21.6, ST5.1/NH1.10/PS5.5 - Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications, **12:15–13:00** in **Room 35**
FR3, 13:30–15:00	**ERE1.12**, Sustainability transitions of the socio-ecologic system (co-listed), **13:30–15:00** in **Room 19**
	GM2.2, Digital Landscapes: Quantitative Interrogation and Use to Examine Geomorphic Processes (co-listed), **13:30–17:00** in **Room 22**
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **08:30–17:00** in **Room 33**
	NH4.5, Electro-magnetic phenomena and connections with seismo-tectonic activity, **10:30–17:00** in **Room 4**
	NH5.2, Extreme Sea Waves, **08:30–15:00** in **Room 1**
	NH8.1, Heavy-metal contamination of the environment, **13:30–15:00** in **Room 8**
	SM5.1/NH4.7, Anthropogenic seismicity and seismic hazard: methods, observations and modeling (co-organized), **13:30–17:00** in **Room 27**
	ST5.1/NH1.10/PS5.5, Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications (co-organized), **13:30–15:00** in **Room 26**
FR4, 15:30–17:00	**GM2.2**, Digital Landscapes: Quantitative Interrogation and Use to Examine Geomorphic Processes (co-listed), **13:30–17:00** in **Room 22**
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **08:30–17:00** in **Room 33**
	NH4.5, Electro-magnetic phenomena and connections with seismo-tectonic activity, **10:30–17:00** in **Room 4**
	NH8.3, Medical Geohazards and Geochemistry, **15:30–17:00** in **Room 8**
	NH9.2, Social capacity building: an emerging field of research and practice for Europe, **15:30–17:00** in **Room 1**
	SM5.1/NH4.7, Anthropogenic seismicity and seismic hazard: methods, observations and modeling (co-organized), **13:30–17:00** in **Room 27**

NH – Natural Hazards – Poster Sessions

Monday, 23 April	
MO3, 13:30–15:00	**PSD19.3**, NH2.1 - Modeling of Volcanic Hazards (including Arne Richter Award for Outstanding Young Scientists Lecture), **14:30–15:15** in **Room 40**
	PSD19.13, NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 - Spatial and temporal patterns of wildfires: models, theory, and reality, **14:30–15:15** in **Room 37**
MO4, 15:30–17:00	**PSD19.2**, NH1.4/AS4.14 - Lightning: physics, detection and atmospheric effects, **15:30–16:15** in **Room 40**
MO5, 17:30–19:00	**GM8.4/OS3.6/TS4.10**, Seafloor Expression of Tectonic and Geomorphic Processes (co-listed), in **Hall XL**, **XL274–XL283**
	GMPV4.2/TS4.9, Volcanoes: Tectonics, Deformation, Geodesy (co-listed), in **Hall XL**, **XL308–XL342** | Related: PSD22.6, see MO1
	HS2.5, Mountain Hydrology: Monitoring and modeling of snow (merged with Sub-arctic hydrology) (co-listed), in **Hall A**, **A102–A137**
	HS4.6, Why predict? The value of prediction in hydrological sciences and policy (co-listed), in **Hall A**, **A165–A174** | Related: PSD16.4, see MO4
	NH1.4/AS4.14, Lightning: physics, detection and atmospheric effects (co-organized), in **Hall X/Y**, **XY195–XY219** | Related: PSD19.2, see MO4
	NH1.6/HS4.7, Flood risk and uncertainty (co-organized), in **Hall X/Y**, **XY220–XY240**
	NH2.1, Modeling of Volcanic Hazards (including Arne Richter Award for Outstanding Young Scientists Lecture), in **Hall X/Y**, **XY241–XY253** | Related: PSD19.3, see MO3
	NH3.1, Mechanisms and processes of landslides induced by water, in **Hall X/Y**, **XY254–XY268**
	NH3.2, Mechanisms and processes of landslides in seismically- or volcanically-active environments, in **Hall X/Y**, **XY269–XY280**
	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), in **Hall X/Y**, **XY281–XY309** | Related: PSD19.13, see MO3
	NH7.5, Fire information needs for global modelling of fire effects, in **Hall X/Y**, **XY310–XY319**
	NH8.6, Sinkholes: from susceptibility to risk evaluation and mapping, in **Hall X/Y**, **XY320–XY336**
	SM2.0/GD2.10/NH4.10/TS8.8, The 23 October 2011 Van Earthquake - Losses and Lessons (co-organized), in **Hall X/Y**, **XY496–XY504**
	SSS5.20, Understanding Fire Phenomena in the Earth System Using Interdisciplinary Approaches (co-listed), in **Hall X/Y**, **XY583–XY595**
	SSS6.2, Eco-engineering mitigations against natural hazards: Biological and Geophysical contributions to sustainable soil bioengineering in a changing world (co-listed), in **Hall X/Y**, **XY596–XY608**
Tuesday, 24 April	
TU2, 10:30–12:00	**PSD19.26**, NH9.9 - Natural hazard impact on technological systems and urban areas, **11:30–12:15** in **Room 37**
TUL, 12:15–13:15	**PSD19.1**, NH1.11/AS4.16/CL2.4 - Hazard Risk Managment in Agriculture and Agroecosystems, **12:15–13:00** in **Room 35**
TU4, 15:30–17:00	**SM2.1/GD1.3/NH4.9/TS8.5**, Large Earthquake and Tsunami Activity (co-organized), in **Hall X/Y**, **XY467–XY485**
TU5, 17:30–19:00	**EMRP2.6/GMPV6.10/NH4.1/SM5.5/TS2.9**, Thermo-mechanical coupling and physical properties: implications to natural hazards (co-organized), in

	Hall A, **A25–A49**
	GI2.5, Preparatory activities for the scientific utilisation of the GMES Sentinel satellites constellations including Cal/Val activities of their optical instruments. (co-listed), in **Hall A**, **A97–A116**
	HS2.4, Hydrology and remote sensing for monitoring, modelling and improve the management of urban and rural water systems (co-listed), in **Hall A**, **A173–A194**
	HS4.3/AS1.18/NH1.2, Ensemble hydro-meteorological forecasting for improved risk management: across scales and applications (co-organized), in **Hall A**, **A243–A261**
	HS5.9, Hydrological, ecological, geomorphic and economic implications of Mountain Resort Development (co-listed), in **Hall A**, **A306–A318**
	NH1.8/AS4.15/ESSI1.3/HS5.10/HS7.7, ICT-based hydrometeorology science and natural disaster societal impact assessment (co-organized), in **Hall X/Y**, **XY168–XY177**
	NH1.11/AS4.16/CL2.4, Hazard Risk Managment in Agriculture and Agroecosystems (co-organized), in **Hall X/Y**, **XY178–XY202** | Related: PSD19.1, see TUL
	NH3.3/GM6.3, Rockfalls, rockslides and rock avalanches (co-organized), in **Hall X/Y**, **XY203–XY230**
	NH3.5, Advanced methods in landslides research I: remote sensing and geophysics, in **Hall X/Y**, **XY231–XY249**
	NH4.2/NP7.4/SM5.3/TS8.7, Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), in **Hall X/Y**, **XY250–XY265**
	NH9.9, Natural hazard impact on technological systems and urban areas, in **Hall X/Y**, **XY266–XY277** | Related: PSD19.26, see TU2

Wednesday, 25 April

WE1, 08:30–10:00	**PSD19.10**, NH5.6 - Sea hazards and ship operations, **08:30–09:15** in **Room 40**
	PSD19.21, NH9.7 - Vulnerability assessments in natural hazard and risk analysis, **09:30–10:15** in **Room 35**
WEL, 12:15–13:15	**PSD19.9**, NH5.3/NP 7.3/OS2.6 - Nonlinear Dynamics of the Coastal Zone, **12:15–13:00** in **Room 35**
WE3, 13:30–15:00	**PSD16.11**, HS4.1/GM7.8/NH1.7 - Flash floods: processes, forecasting and risk management, **13:30–14:15** in **Room 35**
	PSD19.30, NH3.12 - SafeLand Project and other research on effects of global change on spatial and temporal patterns of landslide risk, **14:30–15:15** in **Room SM2**
WE4, 15:30–17:00	**NH1.1/AS1.16**, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), in **Hall X/Y**, **XY180–XY196**
	PSD19.27, NH9.10 - Incorporating spatio-temporal variability into risk management, **15:30–16:15** in **Room 40**
	PSD19.29, PSD19.29 - Storm surges, coastal flooding and erosion: extreme events, damage and risk, **16:30–17:15** in **Room 40**
WE5, 17:30–19:00	**HS4.1/GM7.8/NH1.7**, Flash floods: processes, forecasting and risk management (co-organized), in **Hall A**, **A139–A157** | Related: PSD16.11, see WE3

	NH1.1/AS1.16, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), in **Hall X/Y**, **XY197–XY211**
	NH3.6, Advanced methods in landslides research II: modelling, in **Hall X/Y**, **XY212–XY229**
	NH3.8, Prediction and forecasting of landslides, in **Hall X/Y**, **XY230–XY249**
	NH3.9, Submarine Landslides: Mechanisms, Processes and their Sedimentary Record, in **Hall X/Y**, **XY250–XY260**
	NH3.12, SafeLand Project and other research on effects of global change on spatial and temporal patterns of landslide risk, in **Hall X/Y**, **XY261–XY273** | Related: PSD19.30, see WE3
	NH5.3/NP 7.3/OS2.6, Nonlinear Dynamics of the Coastal Zone (co-organized), in **Hall X/Y**, **XY274–XY291** | Related: PSD19.9, see WEL
	NH5.5, Storm surges, coastal flooding and erosion: extreme events, damage and risk, in **Hall X/Y**, **XY292–XY314** | Related: PSD19.29, see WE4
	NH5.6, Sea hazards and ship operations, in **Hall X/Y**, **XY315–XY327** | Related: PSD19.10, see WE1
	NH9.7, Vulnerability assessments in natural hazard and risk analysis, in **Hall X/Y**, **XY328–XY343** | Related: PSD19.21, see WE1
	NH9.10, Incorporating spatio-temporal variability into risk management, in **Hall X/Y**, **XY344–XY357** | Related: PSD19.27, see WE4
	NH9.11, Multi-type hazard and risk assessment, in **Hall X/Y**, **XY358–XY368**
	SM2.4/G3.7/NH4.8/TS8.6, Investigating earthquake physics through source imaging and scaling studies (co-organized), in **Hall XL**, **XL317–XL338**
	SSS7.3, Where does all the Pyrogenic Organic Matter go? Its Fate in Soils, Water and Sediments (co-listed), in **Hall X/Y**, **XY619–XY638** | Related: PSD4.13, see WE3
	TS8.2/G3.8/NH4.4/SM2.11, Seismotectonics and crustal deformation in Africa (co-organized), in **Hall A**, **A510–A523**

Thursday, 26 April

TH1, 08:30–10:00	**PSD19.5**, NH5.1 - New developments in tsunami science and in mitigation of tsunami risk, including early warning, **08:30–09:15** in **Room 37**
TH4, 15:30–17:00	**PSD19.31**, NH9.8/EOS9 - Geoethics and natural hazards: communication, education and the science-policy-practice interface, **16:30–17:15** in **Room 35**
TH5, 17:30–19:00	**GM2.1**, High definition topography - data acquisition, modelling, interpretation (co-listed), in **Hall XL**, **XL206–XL233**
	GM2.2, Digital Landscapes: Quantitative Interrogation and Use to Examine Geomorphic Processes (co-listed), in **Hall XL**, **XL234–XL259** | Related: PSD12.7, see TH3 | Related: PSD12.8, see THL
	HS7.1, Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), in **Hall A**, **A78–A103**
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), in **Hall A**, **A104–A138**
	NH3.7, Large slope instabilities: characterisation, dating, triggering, monitoring and modelling, in **Hall X/Y**, **XY469–XY488**
	NH3.10, Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures, in **Hall X/Y**, **XY489–XY498**

	NH3.11, Landslide hazard and risk assessment, and landslide management, in **Hall X/Y**, **XY499–XY519**
	NH5.1, New developments in tsunami science and in mitigation of tsunami risk, including early warning, in **Hall X/Y**, **XY520–XY549** | Related: PSD19.5, see TH1
	NH5.7/ESSI1.7, Architecture of Future Tsunami Warning Systems (co-organized), in **Hall X/Y**, **XY550–XY564**
	NH9.1, Natural Catastrophe Risk Assessment: Integrating Public Private Academic Partnerships into Applications and Decision Making, in **Hall X/Y**, **XY565–XY581**
	NH9.4, Early warning systems for natural hazards and risks, in **Hall X/Y**, **XY582–XY595**
	NH9.8/EOS9, Geoethics and natural hazards: communication, education and the science-policy-practice interface (co-organized), in **Hall X/Y**, **XY596–XY613** | Related: PSD19.31, see TH4
	NH9.12, Modelling of dangerous phenomena, and innovative techniques for hazard evaluation and risk mitigation, in **Hall X/Y**, **XY614–XY629**
	SM5.1/NH4.7, Anthropogenic seismicity and seismic hazard: methods, observations and modeling (co-organized), in **Hall A**, **A345–A354**
	SM5.4/NH4.6, Time-dependent earthquake occurrence and seismic hazard: physics and statistics (co-organized), in **Hall A**, **A373–A400**
	SM5.7/GMPV6.14/NH2.3, Electromagnetic, seismic and other geophysical methods applied to volcano imaging and monitoring for hazard assessment (co-organized), in **Hall A**, **A401–A412**

Friday, 27 April

FR1, 08:30–10:00	**NH4.5**, Electro-magnetic phenomena and connections with seismo-tectonic activity, in **Hall X/Y**, **XY155–XY182**
	NH8.3, Medical Geohazards and Geochemistry, in **Hall X/Y**, **XY237–XY251**
	PSD19.28, NH8.1 - Heavy-metal contamination of the environment, **09:30–10:15** in **Room 35**
FR2, 10:30–12:00	**GMPV4.4**, Recent explosive eruptions: Conduit processes, ash dispersal and effects on aviation (co-listed), in **Hall XL**, **XL229–XL244**
	HS2.6, Hydrological extremes: from droughts to floods (co-listed), in **Hall A**, **A46–A80**
	NH8.1, Heavy-metal contamination of the environment, in **Hall X/Y**, **XY215–XY236** | Related: PSD19.28, see FR1
	PSD19.25, NH9.2 - Social capacity building: an emerging field of research and practice for Europe, **11:30–12:15** in **Room 37**
FRL, 12:15–13:15	**PSD19.24**, NH6.2 - Snow avalanche dynamics including interaction with structures, hazard mapping and risk management, **12:15–13:00** in **Room SM5**
	PSD19.32, NH5.2 - Extreme Sea Waves, **12:15–13:00** in **Room SM6**
	PSD21.6, ST5.1/NH1.10/PS5.5 - Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications, **12:15–13:00** in **Room 35**
FR3, 13:30–15:00	**CR8.10**, Mountain snow cover and avalanche formation (co-listed), in **Hall Z**, **Z117–Z129** | Related: PSD1.4, see FR3
	NH6.2, Snow avalanche dynamics including interaction with structures, hazard mapping and risk management, in **Hall X/Y**, **XY202–XY208** | Related: PSD19.24, see FRL

	NH9.2, Social capacity building: an emerging field of research and practice for Europe, in **Hall X/Y**, **XY252–XY264** | Related: PSD19.25, see FR2
	NH9.3, The Costs of Natural Hazards, in **Hall X/Y**, **XY265–XY274**
FR4, 15:30–17:00	**ERE1.12**, Sustainability transitions of the socio-ecologic system (co-listed), in **Hall XL**, **XL23–XL34**
	GM7.3/HS9.7/NH1.9, Morphodynamics of steep mountain channels (co-organized), in **Hall XL**, **XL140–XL160**
	NH5.2, Extreme Sea Waves, in **Hall X/Y**, **XY183–XY201** | Related: PSD19.32, see FRL
	NH6.2, Snow avalanche dynamics including interaction with structures, hazard mapping and risk management, in **Hall X/Y**, **XY209–XY214** | Related: PSD19.24, see FRL
	NH9.3, The Costs of Natural Hazards, in **Hall X/Y**, **XY275–XY283**
	ST5.1/NH1.10/PS5.5, Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications (co-organized), in **Hall X/Y**, **XY674–XY701** | Related: PSD21.6, see FRL