NH – Natural Hazards (#EGU17NH) – Orals

Monday, 24 April	
MO1, 08:30–10:00	**NH1.2/AS1.6/SSS9.29**, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
	NH2.1/AS3.5/GMPV5.6, Atmospheric emissions from volcanoes and their dispersion (co-organized), **08:30–12:00**, **Room L8**
	NH3.7/GM8.5/SSS2.24, Mechanics of Mass Flows (co-organized), **08:30–10:00**, **Room M2**
	NH4.2/SM3.11, Seismic Hazard and Disaster Risk: Assessment, Testing, and Implementation (co-organized), **08:30–12:00**, **Room L7**
	SM1.2/NH4.7/TS5.5, The 2016 Central Italy Seismic sequence: Overview of data analyses and source models (co-org.), **08:30–12:00**, **Room L2**
	TS7.4/GD5.7/NH4.15, Probing the subduction plate interface (co-organized), **08:30–12:00**, **Room D3**
	SSS2.5/GM4.6/HS9.10/NH9.25, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **08:30–15:15**, **Room K2**
MO2, 10:30–12:00	**NH1.2/AS1.6/SSS9.29**, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
	NH2.1/AS3.5/GMPV5.6, Atmospheric emissions from volcanoes and their dispersion (co-organized), **08:30–12:00**, **Room L8**
	NH4.2/SM3.11, Seismic Hazard and Disaster Risk: Assessment, Testing, and Implementation (co-organized), **08:30–12:00**, **Room L7**
	HS4.1/AS4.35/GM9.11/NH1.10, Flash floods and associated hydro-geomorphic processes: observation, modelling and warning (co-organized), **10:30–12:00**, **Room 2.31**
	SM1.2/NH4.7/TS5.5, The 2016 Central Italy Seismic sequence: Overview of data analyses and source models (co-org.), **08:30–12:00**, **Room L2**
	TS7.4/GD5.7/NH4.15, Probing the subduction plate interface (co-organized), **08:30–12:00**, **Room D3**
	GI1.4/GMPV5.4/NH6.12/SM5.6, New frontiers of multiscale monitoring, analysis and modeling of environmental systems (co-organized), **10:30–12:00**, **Room 0.49**
	G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17, How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), **10:30–12:00**, **Room 1.61**
	GM12.4/NH8.10, Integrating short term (years) to long term (millennial) rock coast evolution (co-organized), **10:30–12:00**, **Room N1**
	SSS2.5/GM4.6/HS9.10/NH9.25, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **08:30–15:15**, **Room K2**
MOL, 12:15–13:15	**UMI0**, Plenary, **12:15–13:15**, **Room E1**
MO3, 13:30–15:00	**NH1.2/AS1.6/SSS9.29**, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **08:30–15:00**, **Room L6**
	NH4.1/OS4.14/SM3.4, Earthquake and Tsunami disaster mitigation (co-organized), **13:30–15:00**, **Room L7**
	NH5.7/NP10.2/OS5.3, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), **13:30–15:00**, **Room L8**

	GM1.5/CR2.6/GI3.14/NH4.10/SM4.7, Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), **13:30–15:00**, **Room N1**
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7, Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), **13:30–17:00**, **Room 0.96**
	SSS2.5/GM4.6/HS9.10/NH9.25, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **08:30–15:15**, **Room K2**
MO4, 15:30–17:00	**NH1.5/AS4.37/CL4.19/HS11.27/SM10.9/SSS10.16**, Hazard Risk Management of Agroecosystems and Induced Human Migration (co-organized), **15:30–17:15**, **Room L6**
	NH5.6/SM10.7, Submarine landslide hazard and marine paleoseismology: regional and global implications (co-organized), **15:30–17:00**, **Room L7**
	NH8.1/SSS8.11, Environmental contamination: heavy metals, minerals, radionuclides and dusts (co-organized), **15:30–17:00**, **Room L8**
	HS5.9/CL2.17/CR6.9/NH1.9, Water infrastructure risks under climate variability and change: role of data analysis, operating approaches, hydro-meteorological and multi-sectoral forecasts (co-organized), **15:30–17:00**, **Room 2.95**
	GMPV4.7/NH2.7, Volcano Geology and Intrusion-induced Uplift (co-organized), **15:30–17:00**, **Room K1**
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7, Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), **13:30–17:00**, **Room 0.96**
	GM1.6/BG9.38/HS11.11/NH8.8/TS4.7, Perturbation of earth surface systems by rare events (co-organized), **15:30–17:00**, **Room N1**
MO6, 19:00–20:00	**SC6/NH10.1**, How to apply and interpret the Fast Fourier Transform (FFT) for Time-Series Analysis (co-organized), **19:00–20:00**, **Room N2**

Tuesday, 25 April

TU1, 08:30–10:00	**NH4.3/SM9.2**, Statistical analysis of spatio-temporal properties of earthquake occurrence (co-organized), **08:30–10:00**, **Room L6**
	NH5.2/OS5.7, Extreme seas and non-linear waves (co-organized), **08:30–12:00**, **Room L8**
	NH9.6, Resilience and vulnerability assessments in natural hazards and risk analysis, **08:30–10:00**, **Room 2.31**
	GMPV4.2/NH2.5, Magma ascent, degassing and eruptive dynamics: linking experiments, models and observations (sponsored by European Association of Geochemistry, AGU-VGP and VERTIGO) (co-organized), **08:30–12:00**, **Room 2.20**
	SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22, European Environmental Policies and Sustainability (co-organized), **08:30–10:15**, **Room -2.20**
	SSS2.22/HS9.12/NH9.24, Advances and gaps in understanding, predicting and preventing hydrological and erosional risks in fire-affected watersheds. (co-organized), **08:30–12:15**, **Room K2**
TU2, 10:30–12:00	**NH4.5/AS4.31/EMRP4.4/SM9.3**, Short-term Earthquakes Forecast (StEF) and multi-parametric time-Dependent Assessment of Seismic Hazard (t-DASH) (co-organized), **10:30–12:00**, **Room L6**
	NH5.2/OS5.7, Extreme seas and non-linear waves (co-organized), **08:30–12:00**, **Room L8**
	NH9.2, Costs of Natural Hazards, **10:30–12:00**, **Room 2.31**

	GMPV4.2/NH2.5, Magma ascent, degassing and eruptive dynamics: linking experiments, models and observations (sponsored by European Association of Geochemistry, AGU-VGP and VERTIGO) (co-organized), **08:30–12:00**, **Room 2.20**
	SSS2.22/HS9.12/NH9.24, Advances and gaps in understanding, predicting and preventing hydrological and erosional risks in fire-affected watersheds. (co-organized), **08:30–12:15**, **Room K2**
TUL, 12:15–13:15	**DM14/NH**, Division meeting for Natural Hazards (NH) (co-organized), **12:15–13:15**, **Room L6**
TU3, 13:30–15:00	**NH2.2/GMPV5.5**, Volcano Records and Quantification of Volcanic Hazards (including Sergey Soloviev Medal Lecture) (co-organized), **13:30–17:00**, **Room L6**
	NH5.4/AS4.30/OS2.7, Natural Hazards and climate change impacts in coastal areas (co-organized), **13:30–17:00**, **Room L8**
	NH9.1/CL2.26, Natural hazard event analyses for risk reduction and adaptation (co-organized), **13:30–15:00**, **Room 2.31**
	ML27/NH, Sergey Soloviev Medal Lecture by Augusto Neri (co-organized), **13:30–14:30**, **Room L6**
	ML42/NH, NH Division Outstanding ECS Award Lecture by James E. Daniell (co-organized), **13:30–13:45**, **Room 2.31**
	SSS9.5/NH3.13, Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception. (co-organized), **13:30–17:30**, **Room -2.47**
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7, Atmospheric and Meteorological Instrumentation (co-organized), **13:30–17:00**, **Room 0.96**
	SC55/NH10.3, Serious games for Natural Hazards: understand the different roles in natural hazard prevention through a simple exercise (co-organized), **13:30–15:00**, **Room -2.85**
TU4, 15:30–17:00	**NH2.2/GMPV5.5**, Volcano Records and Quantification of Volcanic Hazards (including Sergey Soloviev Medal Lecture) (co-organized), **13:30–17:00**, **Room L6**
	NH5.4/AS4.30/OS2.7, Natural Hazards and climate change impacts in coastal areas (co-organized), **13:30–17:00**, **Room L8**
	NH9.4, Natural hazard impacts on technological systems and infrastructures, **15:30–17:00**, **Room 2.31**
	SSS9.5/NH3.13, Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception. (co-organized), **13:30–17:30**, **Room -2.47**
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7, Atmospheric and Meteorological Instrumentation (co-organized), **13:30–17:00**, **Room 0.96**
	CR3.4/NH8.6, Risks from a changing cryosphere (co-organized), **15:30–17:00**, **Room 0.49**
TU6, 19:00–20:00	**SC88/NH10.5**, Satellite optical processing pipelines for Earth surface motion analysis (co-organized), **19:00–20:00**, **Room -2.91**
Wednesday, 26 April	
WE1, 08:30–10:00	**NH3.3/GI3.11/SSS2.27**, Characterizing and monitoring landslide processes using remote sensing and geophysics (co-organized), **08:30–15:00**, **Room L6**
	NH5.3/GM12.8/OS5.8/SSP3.14, Geological records of extreme wave events (co-organized), **08:30–12:00**, **Room L8**
	NH7.1/SSS2.26, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–15:00**, **Room L7**

	HS7.5/NH1.8, Hydroclimatic extremes under change: advancing the science and implementation in hazard prevention and control (co-organized), **08:30–15:00**, **Room B**
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10, Volcano monitoring with instrument networks (co-organized), **08:30–17:00**, **Room D1**
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9, Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), **08:30–12:00**, **Room 1.61**
	EMRP1.4/GD7.6/NH3.17/SM6.3, Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), **08:30–12:00**, **Room 0.31**
	TS5.3/EMRP4.3/NH4.9/SM3.3, Active faulting, surface deformation, the earthquake cycle and the implication on seismic hazard assessment (Fault2SHA) (co-organized), **08:30–15:00**, **Room G1**
WE2, 10:30–12:00	**NH3.3/GI3.11/SSS2.27**, Characterizing and monitoring landslide processes using remote sensing and geophysics (co-organized), **08:30–15:00**, **Room L6**
	NH5.3/GM12.8/OS5.8/SSP3.14, Geological records of extreme wave events (co-organized), **08:30–12:00**, **Room L8**
	NH7.1/SSS2.26, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–15:00**, **Room L7**
	HS7.5/NH1.8, Hydroclimatic extremes under change: advancing the science and implementation in hazard prevention and control (co-organized), **08:30–15:00**, **Room B**
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10, Volcano monitoring with instrument networks (co-organized), **08:30–17:00**, **Room D1**
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9, Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), **08:30–12:00**, **Room 1.61**
	EMRP1.4/GD7.6/NH3.17/SM6.3, Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), **08:30–12:00**, **Room 0.31**
	TS5.3/EMRP4.3/NH4.9/SM3.3, Active faulting, surface deformation, the earthquake cycle and the implication on seismic hazard assessment (Fault2SHA) (co-organized), **08:30–15:00**, **Room G1**
	GI3.2/EMRP4.17/ESSI1.12/NH6.11, Sensing techniques, geophysical methods, sensor network architectures and data analysis methods for critical and transport infrastructures monitoring and diagnostics (co-organized), **10:30–12:00**, **Room D2**
WE3, 13:30–15:00	**NH3.3/GI3.11/SSS2.27**, Characterizing and monitoring landslide processes using remote sensing and geophysics (co-organized), **08:30–15:00**, **Room L6**
	NH7.1/SSS2.26, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **08:30–15:00**, **Room L7**
	HS7.5/NH1.8, Hydroclimatic extremes under change: advancing the science and implementation in hazard prevention and control (co-organized), **08:30–15:00**, **Room B**
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10, Volcano monitoring with instrument networks (co-organized), **08:30–17:00**, **Room D1**
	TS5.3/EMRP4.3/NH4.9/SM3.3, Active faulting, surface deformation, the earthquake cycle and the implication on seismic hazard assessment (Fault2SHA) (co-organized), **08:30–15:00**, **Room G1**

	GI3.3/EMRP4.35/ESSI1.10/NH9.20, From Artefact to Historical Site : Geoscience and Non-Invasive Methods for the Study and Conservation of Cultural Heritage (co-organized), **13:30–15:00**, **Room M2**
WE4, 15:30–17:00	**NH3.1/HS2.3.8**, Landslide hydrology: from hydrology to pore water pressure and slope deformation (co-organized), **15:30–17:00**, **Room L6**
	NH9.10/SM10.10, Global and continental scale risk assessment for natural hazards: methods and practice (co-organized), **15:30–17:00**, **Room L7**
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10, Volcano monitoring with instrument networks (co-organized), **08:30–17:00**, **Room D1**
Thursday, 27 April	
TH1, 08:30–10:00	**NH1.3/HS11.25**, Flood risk and uncertainty (including Plinius Medal Lecture) (co-organized), **08:30–12:00**, **Room L6**
	NH5.1/OS4.13/SM2.6, Tsunami (co-organized), **08:30–17:00**, **Room L7**
	HS7.2/AS1.9/CL2.15/NH1.14/NP10.1, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **08:30–10:00**, **Room 2.95**
	GI2.4/NH6.5, Sentinel 1 and 2 for Science (co-organized), **08:30–10:00**, **Room D2**
TH2, 10:30–12:00	**NH1.3/HS11.25**, Flood risk and uncertainty (including Plinius Medal Lecture) (co-organized), **08:30–12:00**, **Room L6**
	NH5.1/OS4.13/SM2.6, Tsunami (co-organized), **08:30–17:00**, **Room L7**
	ML24/NH, Plinius Medal Lecture by Bruno Merz (co-organized), **11:00–12:00**, **Room L6**
	SSS9.4/HS11.54/NH1.20, Threats and potentials in urban and peri-urban areas: soil and water degradation, ecosystem services and risk management (co-organized), **10:30–12:15**, **Room K2**
	GI2.3/ESSI2.11/G5.4/NH6.7, Scientific Exploitation of Copernicus Sentinels (co-organized), **10:30–12:15**, **Room D2**
	SC34/NH10.2, Open-source software for simulating hillslope hydrology and stability (co-organized), **10:30–12:00**, **Room -2.16**
	SC75/NH10.4, Training on the SBAS-DInSAR web tool for Earth surface deformation analysis through the ESA Geohazards Exploitation Platform (co-organized), **10:30–13:15**, **Room -2.91**
THL, 12:15–13:15	**SC75/NH10.4**, Training on the SBAS-DInSAR web tool for Earth surface deformation analysis through the ESA Geohazards Exploitation Platform (co-organized), **10:30–13:15**, **Room -2.91**
TH3, 13:30–15:00	**NH1.1/AS4.28/HS11.24**, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), **13:30–15:00**, **Room L6**
	NH5.1/OS4.13/SM2.6, Tsunami (co-organized), **08:30–17:00**, **Room L7**
	IE4.2/NH9.11/GI1.5/GMPV5.7/SM5.11/TS5.8, The GEO Geohazards Supersite initiative: improving science uptake in Disaster Risk Reduction (co-organized), **13:30–15:00**, **Room L2**
	HS4.2/NH1.11, Predictability, predictive uncertainty estimation and decision-making in hydrologic forecasting (co-organized), **13:30–15:00**, **Room 2.44**
	HS7.1/AS1.11/NH1.15/NP10.11, Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), **13:30–17:00**, **Room B**

	GM3.2/GI2.12/GMPV6.4/HS11.13/NH8.9/SSS12.24, High Resolution Topography in the Geosciences: Methods and Applications (co-organized), **13:30–17:00**, **Room L3**
TH4, 15:30–17:00	**NH1.6/AS1.4/HS4.9**, Coupled atmosphere-hydrological modeling for improved hydro-meteorological predictions (co-organized), **15:30–17:00**, **Room L6**
	NH5.1/OS4.13/SM2.6, Tsunami (co-organized), **08:30–17:00**, **Room L7**
	IE4.3/NH9.12, Methods and Tools for Risk Management and Communications – Innovative ways of delivering information to end users and sharing data among the scientific community (co-organized), **15:30–17:00**, **Room L2**
	HS7.1/AS1.11/NH1.15/NP10.11, Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), **13:30–17:00**, **Room B**
	GM3.2/GI2.12/GMPV6.4/HS11.13/NH8.9/SSS12.24, High Resolution Topography in the Geosciences: Methods and Applications (co-organized), **13:30–17:00**, **Room L3**
	SSS9.8/BG9.8/GM6.5/NH9.26, Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), **15:30–17:15**, **Room K2**
Friday, 28 April	
FR1, 08:30–10:00	**NH3.6**, Prediction and forecasting of landslides, **08:30–12:00**, **Room L7**
	NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **08:30–12:00**, **Room L6**
	IE2.1/NH9.19/ESSI3.12, Citizen science and observatories for environmental monitoring, planning, and disaster resilience building (co-organized), **08:30–10:00**, **Room L2**
	HS3.2/NH1.19, Spatio-temporal and/or geostatistical analysis of hydrological events, extremes, and related hazards (co-organized), **08:30–10:15**, **Room C**
	SSP4.7/CL1.08/NH2.9/SM1.4, Integrating stratigraphy, sedimentology, paleontology and paleoclimate in human evolution and dispersal studies - from early hominins to the Anthropocene (co-organized), **08:30–12:00**, **Room 1.85**
	GM4.2/HS11.14/NH3.16/SSS9.35, Erosion and Sedimentation in Mountain Landscapes (co-organized), **08:30–12:00**, **Room L3**
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:10**, **Room L8**
FR2, 10:30–12:00	**NH3.6**, Prediction and forecasting of landslides, **08:30–12:00**, **Room L7**
	NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **08:30–12:00**, **Room L6**
	SSP4.7/CL1.08/NH2.9/SM1.4, Integrating stratigraphy, sedimentology, paleontology and paleoclimate in human evolution and dispersal studies - from early hominins to the Anthropocene (co-organized), **08:30–12:00**, **Room 1.85**
	GM4.2/HS11.14/NH3.16/SSS9.35, Erosion and Sedimentation in Mountain Landscapes (co-organized), **08:30–12:00**, **Room L3**

	TS5.4/NH4.8/SM6.6, Advances in understanding earthquake processes and hazards in regions of slow lithospheric deformation (co-organized), **10:30–12:00**, **Room 0.31**
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **08:30–12:10**, **Room L8**
FR3, 13:30–15:00	**NH3.5**, Large slope instabilities: characterisation, dating, triggering, monitoring and modelling, **13:30–15:00**, **Room L7**
	NH6.3/AS4.43/GI2.10/HS11.31/SM5.8/SSS12.21, The use of Remotely Piloted Aircraft Systems (RPAS) in monitoring applications and management of natural hazards (co-organized), **13:30–15:00**, **Room L6**
	HS4.3/AS4.36/NH1.12, Ensemble hydro-meteorological forecasting (co-organized), **13:30–17:00**, **Room 2.95**
	GI2.6/AS4.48/EMRP4.5/NH8.7, Geoscience applications of environmental radioactivity (co-organized), **13:30–15:00**, **Room L8**
FR4, 15:30–17:00	**NH1.7/CL2.23/HS11.28**, Addressing the challenge of compound events, multi-risk modelling and cross-risk assessment methods (co-organized), **15:30–17:00**, **Room L6**
	NH3.11/GM8.4/SSS2.25, Rockfalls, rockslides and rock avalanches (co-organized), **15:30–17:00**, **Room L7**
	NH9.17/SM3.5, Increasing Resilience to Natural Hazards in Earthquake Prone Regions in China (IRNHiC) (co-organized), **15:30–17:00**, **Room L1**
	HS4.3/AS4.36/NH1.12, Ensemble hydro-meteorological forecasting (co-organized), **13:30–17:00**, **Room 2.95**
	GM4.3/HS11.15/NH8.12/SSS2.30, Hillslope and fluvial denudation, source-to-sink fluxes and sedimentary budgets under changing climate and other perturbations (co-organized), **15:30–17:00**, **Room L3**

NH – Natural Hazards (#EGU17NH) – PICOs

Monday, 24 April	
MO2, 10:30–12:00	**CR3.3/NH8.5**, Snow in ski resorts and snow avalanches: measuring and modelling (co-organized), **PICO spot A**
MO4, 15:30–17:00	**NH3.8**, Documentation and monitoring of landslides and debris flows for mathematical modelling and design of mitigation measures, **PICO spot 1**
Tuesday, 25 April	
TU1, 08:30–10:00	**NH4.6/SM3.10/SSS2.36**, Soil liquefaction; susceptibility, hazard and mitigation measures (co-organized), **PICO spot 1**
TU3, 13:30–15:00	**NH9.5/AS4.32/CL2.27/HS11.38/SM3.9/SSS13.3**, Natural Hazard and Risk Assessment in Developing Countries (co-organized), **PICO spot 1**
TU4, 15:30–17:00	**NH9.16**, Uncertainty Quantification in Natural Hazard and Risk Assessments: Best practices and lessons learned across different hazards, **PICO spot 1**
Wednesday, 26 April	
WE1, 08:30–10:00	**HS4.5/NH1.13**, Operational forecasting and warning systems for natural hazards: challenges and innovation (co-organized), **PICO spot A**
	HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16, Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), **PICO spot 3**
WE2, 10:30–12:00	**HS4.5/NH1.13**, Operational forecasting and warning systems for natural hazards: challenges and innovation (co-organized), **PICO spot A**
	HS2.2.2/AS4.15/CL2.07/CR3.6/NH1.16, Mountains and snow: Advances in large-scale land surface, hydrological and climate modelling (co-organized), **PICO spot 3**
Thursday, 27 April	
TH1, 08:30–10:00	**IE4.1/NH9.3/EOS16**, Natural Hazards Education, Communications and Science-Policy-Practice Interface (co-organized), **PICO spot 5a**
	SSS1.7/AS4.49/CL5.20/HS11.44/NH9.21, “Lighthouse” examples, illustrating soil relevance for the UN Sustainable Development Goals (SDG’s) (co-organized), **PICO spot 3**
TH2, 10:30–12:00	**SSS1.7/AS4.49/CL5.20/HS11.44/NH9.21**, “Lighthouse” examples, illustrating soil relevance for the UN Sustainable Development Goals (SDG’s) (co-organized), **PICO spot 3**
TH3, 13:30–15:00	**NH3.12**, Landslide and Landslide Susceptibility Interactions with Transport Lines, **PICO spot 1**
TH4, 15:30–17:00	**HS1.9/NH1.18**, Hydrological risk under a gender and age perspective (co-organized), **PICO spot A**

Friday, 28 April	
FR1, 08:30–10:00	**HS7.7/NH1.17**, Hydroclimatic and hydrometeorologic stochastics: Extremes, scales, probabilities (co-organized), **PICO spot A**
FR2, 10:30–12:00	**GM3.1/GI3.17/NH4.11**, Frontiers in Geomorphometry and Earth Surface Dynamics: Possibilities, Limitations and Perspectives (co-organized), **PICO spot 5b**
	SSS11.5/ESSI4.10/HS11.61/NH9.23, Communication of uncertain information in earth sciences: data, models and visualization (co-organized), **PICO spot 1**

NH – Natural Hazards (#EGU17NH) – Posters

Monday, 24 April	
MO5, 17:30–19:00	**NH1.2/AS1.6/SSS9.29**, Atmospheric Electricity, Thunderstorms, Lightning and their effects (co-organized), **Hall X4**, **X4.254–X4.288**
	NH1.5/AS4.37/CL4.19/HS11.27/SM10.9/SSS10.16, Hazard Risk Management of Agroecosystems and Induced Human Migration (co-organized), **Hall X4**, **X4.289–X4.308**
	NH2.1/AS3.5/GMPV5.6, Atmospheric emissions from volcanoes and their dispersion (co-organized), **Hall X4**, **X4.309–X4.325**
	NH3.7/GM8.5/SSS2.24, Mechanics of Mass Flows (co-organized), **Hall X4**, **X4.326–X4.334**
	NH4.1/OS4.14/SM3.4, Earthquake and Tsunami disaster mitigation (co-organized), **Hall X4**, **X4.335–X4.348**
	NH4.2/SM3.11, Seismic Hazard and Disaster Risk: Assessment, Testing, and Implementation (co-organized), **Hall X4**, **X4.349–X4.367**
	NH5.6/SM10.7, Submarine landslide hazard and marine paleoseismology: regional and global implications (co-organized), **Hall X4**, **X4.368–X4.381**
	NH5.7/NP10.2/OS5.3, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), **Hall X4**, **X4.382–X4.400**
	NH8.1/SSS8.11, Environmental contamination: heavy metals, minerals, radionuclides and dusts (co-organized), **Hall X4**, **X4.401–X4.421**
	HS5.9/CL2.17/CR6.9/NH1.9, Water infrastructure risks under climate variability and change: role of data analysis, operating approaches, hydro-meteorological and multi-sectoral forecasts (co-organized), **Hall A**, **A.322–A.340**
	HS4.1/AS4.35/GM9.11/NH1.10, Flash floods and associated hydro-geomorphic processes: observation, modelling and warning (co-organized), **Hall A**, **A.240–A.260**
	GMPV4.7/NH2.7, Volcano Geology and Intrusion-induced Uplift (co-organized), **Hall X2**, **X2.419–X2.437**
	SM1.2/NH4.7/TS5.5, The 2016 Central Italy Seismic sequence: Overview of data analyses and source models (co-organized), **Hall X3**, **X3.1–X3.24**
	GM1.5/CR2.6/GI3.14/NH4.10/SM4.7, Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized), **Hall X2**, **X2.54–X2.71**
	SM2.2/EMRP4.13/GD5.8/NH4.13/TS5.7, Understanding large subduction earthquakes by integrating geological and geophysical observations, laboratory results, and numerical modeling (co-organized), **Hall X3**, **X3.25–X3.47**
	TS7.4/GD5.7/NH4.15, Probing the subduction plate interface (co-organized), **Hall X2**, **X2.236–X2.263**
	GI1.4/GMPV5.4/NH6.12/SM5.6, New frontiers of multiscale monitoring, analysis and modeling of environmental systems (co-organized), **Hall X4**, **X4.132–X4.148**
	G3.1/CL5.14/CR6.10/GD3.4/GM10.6/NH8.3/OS1.17, How much does glacial isostatic adjustment contribute to earth system modelling? (co-organized), **Hall X3**, **X3.125–X3.141**
	GM1.6/BG9.38/HS11.11/NH8.8/TS4.7, Perturbation of earth surface systems by rare events (co-organized), **Hall X2**, **X2.72–X2.87**
	GM12.4/NH8.10, Integrating short term (years) to long term (millennial) rock coast evolution (co-organized), **Hall X2**, **X2.117–X2.133**

	SSS2.5/GM4.6/HS9.10/NH9.25, Connectivity in hydrology and sediment dynamics: concepts, measuring, modelling, indices and societal implications (co-organized), **Hall X1**, **X1.114–X1.148**
Tuesday, 25 April	
TU5, 17:30–19:00	**NH2.2/GMPV5.5**, Volcano Records and Quantification of Volcanic Hazards (including Sergey Soloviev Medal Lecture) (co-organized), **Hall X3**, **X3.119–X3.134**
	NH4.3/SM9.2, Statistical analysis of spatio-temporal properties of earthquake occurrence (co-organized), **Hall X3**, **X3.135–X3.149**
	NH4.5/AS4.31/EMRP4.4/SM9.3, Short-term Earthquakes Forecast (StEF) and multi-parametric time-Dependent Assessment of Seismic Hazard (t-DASH) (co-organized), **Hall X3**, **X3.150–X3.170**
	NH5.2/OS5.7, Extreme seas and non-linear waves (co-organized), **Hall X3**, **X3.171–X3.188**
	NH5.4/AS4.30/OS2.7, Natural Hazards and climate change impacts in coastal areas (co-organized), **Hall X3**, **X3.189–X3.217**
	NH9.1/CL2.26, Natural hazard event analyses for risk reduction and adaptation (co-organized), **Hall X3**, **X3.218–X3.238**
	NH9.2, Costs of Natural Hazards, **Hall X3**, **X3.239–X3.257**
	NH9.4, Natural hazard impacts on technological systems and infrastructures, **Hall X3**, **X3.258–X3.276**
	NH9.6, Resilience and vulnerability assessments in natural hazards and risk analysis, **Hall X3**, **X3.277–X3.295**
	GMPV4.2/NH2.5, Magma ascent, degassing and eruptive dynamics: linking experiments, models and observations (sponsored by European Association of Geochemistry, AGU-VGP and VERTIGO) (co-organized), **Hall X2**, **X2.409–X2.435**
	SSS9.5/NH3.13, Landslide early warning systems: monitoring systems, rainfall thresholds, warning models, performance evaluation and risk perception. (co-organized), **Hall X1**, **X1.275–X1.300**
	GI2.1/AS4.42/BG9.21/CL5.16/NH6.10/PS1.6/ST3.7, Atmospheric and Meteorological Instrumentation (co-organized), **Hall X4**, **X4.176–X4.190**
	CR3.4/NH8.6, Risks from a changing cryosphere (co-organized), **Hall X5**, **X5.471–X5.483**
	SSS1.6/AS4.51/BG9.13/CL3.06/HS11.43/NH9.22, European Environmental Policies and Sustainability (co-organized), **Hall X1**, **X1.134–X1.139**
	SSS2.22/HS9.12/NH9.24, Advances and gaps in understanding, predicting and preventing hydrological and erosional risks in fire-affected watersheds. (co-organized), **Hall X1**, **X1.198–X1.215**
Wednesday, 26 April	
WE5, 17:30–19:00	**NH3.1/HS2.3.8**, Landslide hydrology: from hydrology to pore water pressure and slope deformation (co-organized), **Hall X3**, **X3.116–X3.136**
	NH3.3/GI3.11/SSS2.27, Characterizing and monitoring landslide processes using remote sensing and geophysics (co-organized), **Hall X3**, **X3.137–X3.160**
	NH5.3/GM12.8/OS5.8/SSP3.14, Geological records of extreme wave events (co-organized), **Hall X3**, **X3.161–X3.177**
	NH7.1/SSS2.26, Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), **Hall X3**, **X3.178–X3.202**
	NH9.7/AS4.33/CL2.28/HS11.34, Urban Resilience Studies –Risk Mapping (co-organized), **Hall X3**, **X3.203–X3.219**

	NH9.9/GI1.8, Monitoring and modelling of dangerous phenomena, and innovative techniques for hazard evaluation and risk mitigation (co-organized), **Hall X3**, **X3.220–X3.230**
	NH9.10/SM10.10, Global and continental scale risk assessment for natural hazards: methods and practice (co-organized), **Hall X3**, **X3.243–X3.259**
	HS7.5/NH1.8, Hydroclimatic extremes under change: advancing the science and implementation in hazard prevention and control (co-organized), **Hall A**, **A.170–A.214**
	GMPV5.1/G6.4/GD3.5/GI1.11/NH2.8/SM5.10, Volcano monitoring with instrument networks (co-organized), **Hall X2**, **X2.441–X2.480**
	G4.1/EMRP4.1/GD8.7/NH3.14/TS8.9, Acquisition and processing of gravity and magnetic field data and their integrative interpretation (co-organized), **Hall X3**, **X3.94–X3.115**
	EMRP1.4/GD7.6/NH3.17/SM6.3, Rock physics and geomechanical characterisation of rocks from micro to macroscale: the role of anisotropy and hydro-mechanical coupling (co-organized), **Hall X2**, **X2.183–X2.200**
	TS5.3/EMRP4.3/NH4.9/SM3.3, Active faulting, surface deformation, the earthquake cycle and the implication on seismic hazard assessment (Fault2SHA) (co-organized), **Hall X2**, **X2.222–X2.257**
	GI1.3/AS4.41/CL5.17/EMRP4.39/HS11.7/NH6.9/SM5.9, Environmental sensor networks (co-organized), **Hall X4**, **X4.274–X4.281**
	GI3.2/EMRP4.17/ESSI1.12/NH6.11, Sensing techniques, geophysical methods, sensor network architectures and data analysis methods for critical and transport infrastructures monitoring and diagnostics (co-organized), **Hall X4**, **X4.282–X4.302**
	GM3.2/GI2.12/GMPV6.4/HS11.13/NH8.9/SSS12.24, High Resolution Topography in the Geosciences: Methods and Applications (co-organized), **Hall X2**, **X2.95–X2.122**
	GI3.3/EMRP4.35/ESSI1.10/NH9.20, From Artefact to Historical Site : Geoscience and Non-Invasive Methods for the Study and Conservation of Cultural Heritage (co-organized), **Hall X4**, **X4.303–X4.320**
Thursday, 27 April	
TH5, 17:30–19:00	**NH1.1/AS4.28/HS11.24**, Extreme meteorological and hydrological events induced by severe weather and climate change (co-organized), **Hall X3**, **X3.171–X3.190**
	NH1.3/HS11.25, Flood risk and uncertainty (including Plinius Medal Lecture) (co-organized), **Hall X3**, **X3.191–X3.209**
	NH1.6/AS1.4/HS4.9, Coupled atmosphere-hydrological modeling for improved hydro-meteorological predictions (co-organized), **Hall X3**, **X3.210–X3.223**
	NH3.2/SM8.6/SSS9.30, Mechanisms and processes of landslides in seismically or volcanically active environments (co-organized), **Hall X3**, **X3.224–X3.237**
	NH5.1/OS4.13/SM2.6, Tsunami (co-organized), **Hall X3**, **X3.243–X3.292**
	IE4.2/NH9.11/GI1.5/GMPV5.7/SM5.11/TS5.8, The GEO Geohazards Supersite initiative: improving science uptake in Disaster Risk Reduction (co-organized), **Hall X3**, **X3.1–X3.19**
	IE4.3/NH9.12, Methods and Tools for Risk Management and Communications – Innovative ways of delivering information to end users and sharing data among the scientific community (co-organized), **Hall X3**, **X3.20–X3.36**

	HS4.2/NH1.11, Predictability, predictive uncertainty estimation and decision-making in hydrologic forecasting (co-organized), **Hall A**, **A.147–A.166**
	HS7.2/AS1.9/CL2.15/NH1.14/NP10.1, Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), **Hall A**, **A.220–A.240**
	HS7.1/AS1.11/NH1.15/NP10.11, Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), **Hall A**, **A.187–A.219**
	SSS9.4/HS11.54/NH1.20, Threats and potentials in urban and peri-urban areas: soil and water degradation, ecosystem services and risk management (co-organized), **Hall X1**, **X1.269–X1.283**
	GMPV5.2/NH2.4/NP10.10, Hazard monitoring during effusive eruption: data, modelling and uncertainties (co-organized), **Hall X2**, **X2.445–X2.458**
	GI2.4/NH6.5, Sentinel 1 and 2 for Science (co-organized), **Hall X4**, **X4.267–X4.282**
	GI2.3/ESSI2.11/G5.4/NH6.7, Scientific Exploitation of Copernicus Sentinels (co-organized), **Hall X4**, **X4.253–X4.266**
	GI1.2/AS4.47/BG9.20/ERE1.8/HS11.9/NH8.4/OS4.11/SSS8.12, Geoscience processes related to Fukushima and Chernobyl nuclear accidents (co-organized), **Hall X4**, **X4.234–X4.252**
	GI2.6/AS4.48/EMRP4.5/NH8.7, Geoscience applications of environmental radioactivity (co-organized), **Hall X4**, **X4.283–X4.299**
	SSS9.8/BG9.8/GM6.5/NH9.26, Coevolution of soils, landforms and vegetation: patterns, feedbacks and ecosystem stability thresholds (co-organized), **Hall X1**, **X1.284–X1.297**
Friday, 28 April	
FR3, 13:30–15:00	**SSP4.7/CL1.08/NH2.9/SM1.4**, Integrating stratigraphy, sedimentology, paleontology and paleoclimate in human evolution and dispersal studies - from early hominins to the Anthropocene (co-organized), **Hall X2**, **X2.35–X2.54**
FR5, 17:30–19:00	**NH1.7/CL2.23/HS11.28**, Addressing the challenge of compound events, multi-risk modelling and cross-risk assessment methods (co-organized), **Hall X3**, **X3.122–X3.139**
	NH3.5, Large slope instabilities: characterisation, dating, triggering, monitoring and modelling, **Hall X3**, **X3.140–X3.155**
	NH3.6, Prediction and forecasting of landslides, **Hall X3**, **X3.156–X3.173**
	NH3.9, Uncertainty and quality evaluation in landslide hazard and risk assessment, **Hall X3**, **X3.174–X3.189**
	NH3.11/GM8.4/SSS2.25, Rockfalls, rockslides and rock avalanches (co-organized), **Hall X3**, **X3.190–X3.209**
	NH6.1/CR2.7/GI2.8/HS11.29/SM5.7/SSS12.20, Application of remote sensing and Earth-observation data in natural hazard and risk studies (co-organized), **Hall X3**, **X3.210–X3.232**
	NH6.3/AS4.43/GI2.10/HS11.31/SM5.8/SSS12.21, The use of Remotely Piloted Aircraft Systems (RPAS) in monitoring applications and management of natural hazards (co-organized), **Hall X3**, **X3.243–X3.258**
	NH6.4/BG9.34/CL2.24/HS11.32, Assessment of climate hazards' impact on natural and cultural environment: Remote sensing and GIS applications (co-organized), **Hall X3**, **X3.259–X3.271**
	NH9.17/SM3.5, Increasing Resilience to Natural Hazards in Earthquake Prone Regions in China (IRNHiC) (co-organized), **Hall X3**, **X3.272–X3.276**

	IE2.1/NH9.19/ESSI3.12, Citizen science and observatories for environmental monitoring, planning, and disaster resilience building (co-organized), **Hall X4**, **X4.106–X4.121**
	HS4.3/AS4.36/NH1.12, Ensemble hydro-meteorological forecasting (co-organized), **Hall A**, **A.395–A.413**
	HS3.2/NH1.19, Spatio-temporal and/or geostatistical analysis of hydrological events, extremes, and related hazards (co-organized), **Hall A**, **A.375–A.394**
	GM4.2/HS11.14/NH3.16/SSS9.35, Erosion and Sedimentation in Mountain Landscapes (co-organized), **Hall X2**, **X2.71–X2.101**
	TS5.4/NH4.8/SM6.6, Advances in understanding earthquake processes and hazards in regions of slow lithospheric deformation (co-organized), **Hall X2**, **X2.239–X2.254**
	GM4.3/HS11.15/NH8.12/SSS2.30, Hillslope and fluvial denudation, source-to-sink fluxes and sedimentary budgets under changing climate and other perturbations (co-organized), **Hall X2**, **X2.117–X2.135**