

PSD – Poster Summaries & Discussions – Orals**Monday, 08 April**

MO2 , 10:30–12:00	PSD7.3 , CL5.7/NP8.1 - Stochasticity and Statistical Physics in Climate Dynamics, 10:30–11:15, Room B4
	PSD11.2 , SM1.2/AS4.13 - Research and Development in Nuclear Explosion Monitoring, 10:30–11:15, Room B7
	PSD12.12 , ST2.4/PS3.3 - Radiation Belts: Earth and Outer Planets, 10:30–11:15, Room R7
MOL , 12:15–13:15	PSD4.12 , TS8.3/G6.5/NH4.7/SM5.7 - Seismotectonics and crustal deformation in Africa, 12:15–13:00, Room B4
	PSD13.3 , AS2.2 - Turbulence in the atmospheric and oceanic boundary layers, 12:15–13:00, Room R7
	PSD14.1 , GMPV3 - Late-orogenic potassic mafic magmatism: Archaean to present, 12:15–13:00, Room R5
	PSD18.6 , SSS3.4 - Eco engineering mitigations against natural hazards: Biological contribution to sustainable soil bioengineering in a changing world, 12:15–13:00, Room B7
	PSD18.10 , SSS9.11 - Soil erosion and desertification processes in Mediterranean areas, 12:15–13:00, Room R12
MO3 , 13:30–15:00	PSD17.4 , BG5.1 - Biospheric feedbacks on the Earth system, 13:30–14:15, Room B4
	PSD19.7 , HS10.7 - Interactions between surface water, groundwater, and the hyporheic zone, 13:30–14:15, Room R12
MO4 , 15:30–17:00	PSD1.5 , GI2.7/AS4.18/CL5.10/CR1.4/ESS1.6 - Taking the temperature of the Earth: Temperature Variability and Change across all Domains of Earth's Surface, 15:30–16:15, Room R5
	PSD7.8 , CL2.4 - Synoptic climatology – methods and applications, 15:30–16:15, Room B4
	PSD19.1 , HS3.3 - Poster Session on Open Source Computing in Hydrology, 15:30–16:15, Room R12
	PSD19.6 , HS10.10/BG4.5 - Environmental and anthropogenic change effects on interlinked ecohydrological systems - physical constraints, ecological adaptation and societal decisions, 15:30–16:15, Room B7
MO5 , 17:30–19:00	PSD7.1 , CL0 - Open Session on Climate: Past, Present and Future, 17:30–18:15, Room B4

Tuesday, 09 April

TU1 , 08:30–10:00	PSD2.2 , ERE2.1 - Long-term storage of CO2 in geological systems: Results from laboratory studies, 08:30–09:15, Room R5
	PSD23.1 , PS1.2/AS4.19 - Polarimetry as an invaluable tool to study the Solar System and beyond, 08:30–09:15, Room R12
	PSD23.9 , PS5.1 - Planetary Plasma Physics, including electrodynamics of induced magnetospheres, 08:30–09:15, Room R7
TU2 , 10:30–12:00	PSD8.12 , GD4.1/SM5.4/TS5.5 - Evolution of passive margins and adjacent continents with emphasis on the North and South Atlantic, 10:30–11:15, Room R7
	PSD9.1 , EMRP2.1 - Lithospheric magnetic anomalies: observation, processing, modelling and nature of sources, 10:30–11:15, Room R5
	PSD14.2 , GMPV30/NH2.2/TS3.5 - The mechanics of volcanic and sub-volcanic systems: modelling, experiments and field observations, 11:30–12:15, Room B7

	PSD20.1 , NH1.1 - Extreme meteorological and hydrological events induced by severe weather and climate change, 10:30–11:15, Room R12
	PSD23.3 , PS2.4 - Mars Science and Exploration, 10:30–11:15, Room B7
TUL , 12:15–13:15	PSD2.3 , ERE2.2/TS1.2 - Field methods and analysis of field data for CO2 geological storage, 12:15–13:00, Room R5
	PSD2.6 , ERE1.8 - Sustainability transitions of the socio-ecologic system, 12:15–13:00, Room R7
	PSD4.8 , TS6.1 - The Alpine convergence zone and the Mediterranean Sea (including Stephan Mueller Medal lecture by Leigh H. Royden), 12:15–13:00, Room B7
	PSD6.5 , OS1.3 - The Southern Ocean and its Role in the Global Climate System, 12:15–13:00, Room B4
	PSD18.7 , SSS2.1/HS8.3.7 - Soil infiltration: Methods, measurements, models and factors, 12:15–13:00, Room R12
TU3 , 13:30–15:00	PSD12.18 , ST1.1 - Open Session on the Sun and Heliosphere (including Hannes Alfvén Medal Lecture & Arne Richter Award for Outstanding Young Scientists), 13:30–14:15, Room R12
	PSD20.8 , NH9.8 - Geoethics and natural hazards: the role and responsibility of the geoscientists, 13:30–14:15, Room B7
TU4 , 15:30–17:00	PSD1.6 , GI3.4 - From Artefact to Historical Site : Geoscience and Non-Invasive Methods for the Study and Conservation of Cultural Heritage, 15:30–16:15, Room R7
	PSD3.2 , NP2.3 - Artificial Intelligence, Cognitive models and Data Inversion In Geosciences, 15:30–16:15, Room B4
	PSD4.13 , TS5.1/GD4.3/SM5.5/SSP3.7 - The evolution of passive continental margins: From rifting to post- break-up processes, 16:30–17:15, Room B7
	PSD7.7 , CL4.4 - Using paleoclimate modelling and data to learn about the future, 16:30–17:15, Room B4
	PSD17.7 , BG2.17 - Snow-shrub interactions: Exploring the hydrology, biochemistry and ecology of changing tundra ecosystems, 16:30–17:15, Room R7
	PSD19.2 , HS5.6 - Stakeholders, public involvement and collaborative processes in hydrology research and water management, 15:30–16:15, Room R12
	PSD20.6 , NH7.1 - Spatial and temporal patterns of wildfires: models, theory, and reality, 15:30–16:15, Room B7
TU5 , 17:30–19:00	PSD3.1 , NP5.1 - Inverse Problems and Data Assimilation in Geosciences, 17:30–18:15, Room R7
Wednesday, 10 April	
WE1 , 08:30–10:00	PSD13.1 , AS4.11/BG2.19/NH7.3 - Impact of boreal wildfires on tropospheric chemistry, 08:30–09:15, Room R7
	PSD20.5 , NH5.6 - Early warning systems for tsunamis and other natural hazards, 08:30–09:15, Room B7
	PSD20.10 , NH5.3 - Nonlinear Dynamics of the Coastal Zone, 08:30–09:15, Room R5
	PSD20.11 , NH9.9 - Multi-hazard natural and technological risks: assessment and impacts, 08:30–09:15, Room B4
	PSD23.5 , PS5.2 - Planetary, Solar and Heliospheric Radio Emissions, 08:30–09:15, Room R12
WE2 , 10:30–12:00	PSD4.7 , TS4.1/GM3.5/SSP3.8 - Tectonics, sedimentation and surface processes: from the erosional engine to basin deposition (jointly sponsored

	by the Geological Society of London and the Geological Society of America), 10:30–11:15, Room B7
	PSD8.19 , GD1.2/EMRP4.1/GMPV12/SM6.5/TS11.5 - Anisotropy and small-scale heterogeneity in the Solid Earth: Observations, models and implications, 10:30–11:15, Room R12
	PSD12.15 , ST2.3 - Earth's inner magnetosphere coupling: Observational and modelling studies, 10:30–11:15, Room B4
	PSD12.19 , ST2.5 - Heavy ions and their dynamical impact on the magnetosphere, 10:30–11:15, Room R7
	PSD23.7 , PS9.1/ST7.1 - Space Weather in the inner heliosphere, as seen at planets in solar wind alignment, 10:30–11:15, Room R5
WEL , 12:15–13:15	PSD2.1 , ERE2.3 - Modelling and upscaling of CO2 storage sites, 12:15–13:00, Room R5
	PSD2.4 , ERE3.1/TS3.6 - Structural interpretation and evolution of mineral systems from geological, geochemical and geophysical data, 12:15–13:00, Room R7
	PSD18.4 , SSS9.6/GM6.7/HS12.6 - The impact of fire on soil properties, runoff generation and sediment transport, 12:15–13:00, Room B7
	PSD18.9 , SSS5.3 - Soil as a Record of the Past: Soil science in cultural and natural landscapes, 12:15–13:00, Room R12
WE3 , 13:30–15:00	PSD12.10 , ST4.1 - Theory and simulations of solar system plasmas, 13:30–14:15, Room B7
	PSD17.3 , BG4.1 - Linking biogeochemistry and environmental stressors to nutrient cycling and ecology in freshwater systems, 13:30–14:15, Room B4
	PSD19.8 , HS10.1 - Lakes and inland seas, 13:30–14:15, Room R7
	PSD20.12 , NH5.7/NP4.5/OS2.7 - Statistical methods and probability: applications to coastal engineering, ocean sciences, extreme events, damage and risk, 13:30–14:15, Room R5
WE4 , 15:30–17:00	PSD7.4 , CL4.11 - Temperature observations in the subsurface: contributions to climate sciences, soil sciences, permafrost, glaciology, hydrology, and heat flow studies, 15:30–16:15, Room R5
	PSD12.1 , ST1.3 - Particle acceleration mechanisms in solar system plasmas: observations and theory, 15:30–16:15, Room B7
	PSD15.6 , GM4.6/SSS11.2 - Where earth scientists meet Cleopatra: Geoarchaeology of rocks, sediments, soils and climate, 15:30–16:15, Room B4
	PSD19.3 , HS8.1.3/SSS2.10 - Parameter Estimation, Inverse Modelling and Data Assimilation in Subsurface Hydrology, 15:30–16:15, Room R12
	PSD22.1 , SSP3.2/GM7.15/GMPV46/NH3.16/SSS2.20 - Morphodynamics of particulate geophysical flows: Erosion, transport, segregation and deposits, 16:30–17:15, Room B7
WE5 , 17:30–19:00	PSD17.6 , BG7.1 - Methane in oceans and continents: from microbial metabolisms to environmental impacts and climate change, 17:30–18:15, Room B4
	PSD23.4 , PS3.1 - Outer planets, icy satellites and rings, 17:30–18:15, Room R12
	PSD24.1 , ESSI1.3 - New Data Paradigms, Modeling, and International Collaboration Strategies for Earth System Sciences, 18:30–19:15, Room B4
Thursday, 11 April	
TH1 , 08:30–10:00	PSD13.2 , AS3.16 - Remote Sensing of Clouds and Aerosols: Techniques and Applications, 08:30–09:15, Room R7

	PSD13.4 , AS1.10 - The evolution of convective storms: observation strategies, forecast validation, and climatologies, 08:30–09:15, Room R12
	PSD20.3 , NH5.2 - Extreme Sea Waves, 08:30–09:15, Room R5
	PSD23.8 , PS4.1 - Comets, asteroids and dust, 08:30–09:15, Room B7
TH2 , 10:30–12:00	PSD1.7 , GI3.5 - Electromagnetic sensing techniques and geophysical methods for critical and transport infrastructures monitoring and diagnostics, 10:30–11:15, Room R7
	PSD6.6 , OS4.3 - Ocean Remote Sensing, 10:30–11:15, Room B7
	PSD12.21 , ST6.1 - New and ongoing initiatives in ground-based solar observations, 10:30–11:15, Room R12
	PSD17.5 , BG5.2 - Environmental, Socio-economic and Climatic Changes in Northern Eurasia and their Feedbacks to the Global Earth System, 10:30–11:15, Room B4
	PSD20.7 , NH9.3 - The Costs of Natural Hazards, 10:30–11:15, Room R5
THL , 12:15–13:15	PSD18.2 , SSS10.8 - Effects of changes in land use on soil properties and processes, 12:15–13:00, Room B7
	PSD18.5 , SSS6.1 - Hydrogeomorphic and Ecological Effects of Roads, 12:15–13:00, Room B4
	PSD20.2 , NH5.1 - Tsunami, 12:15–13:00, Room R12
TH3 , 13:30–15:00	PSD7.2 , CL1.9 - Paleoclimates records in continental archives, 13:30–14:15, Room B4
	PSD12.17 , ST5.1 - Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Applications, 13:30–14:15, Room R7
	PSD17.1 , BG2.3 - Fire in the Earth System, 13:30–14:15, Room R12
	PSD18.11 , SSS2.8 - Modeling the experiment, experimenting the models - from experiment to complex processes model, 13:30–14:15, Room B7
	PSD23.10 , PS2.7 - Volcanism, tectonics, impacts and other geological processes across the solar system, 13:30–14:15, Room R5
TH4 , 15:30–17:00	PSD7.5 , CL1.1 - Changes in Cenozoic pCO ₂ : Causes, feedbacks and biotic responses, 15:30–16:15, Room B4
	PSD8.1 , GD8.1/TS9.7 - Recent advances in computational geodynamics, 15:30–16:15, Room R5
	PSD8.5 , GD2.5/GMPV10/TS9.8 - Long-term rheological behavior of the lithosphere inferred from observations and models at laboratory and geological time and spatial scales, 15:30–16:15, Room R7
	PSD8.22 , GD5.1/GMPV18/SM5.2/TS6.10 - Subduction dynamics from surface to deep mantle, 16:30–17:15, Room R7
	PSD15.2 , GM3.1/TS4.4 - Tectonics, Climate and Earth Surface processes, 15:30–16:15, Room B7
	PSD15.5 , GM9.2/HS9.8/NH3.15 - Geomorphic and hydrological processes in proglacial areas under conditions of (rapid) deglaciation, 15:30–16:15, Room R12
	PSD21.1 , G4.1 - Gravity field research - data acquisition - processing and - interpretation, 16:30–17:15, Room R12
Friday, 12 April	
FR1 , 08:30–10:00	PSD8.21 , GD5.3/TS6.12 - Orogenesis and Geodynamics related to the collision with microplates, 08:30–09:15, Room R12

FR2 , 10:30–12:00	PSD7.6 , CL5.4 - Climate Data Bias-Correction and Homogenization and Climate Trends and Variability Assessment, 10:30–11:15, Room R7
	PSD8.20 , GD2.2 - Geothermal Heat Flow: Linking Earth's Deep Interior and Surface Processes, 10:30–11:15, Room R12
	PSD23.2 , PS2.3 - Lunar Science and Exploration, 10:30–11:15, Room R5
FRL , 12:15–13:15	PSD2.7 , ERE3.4 - Natural stone research and Heritage stone designation., 12:15–13:00, Room R5
	PSD11.1 , SM3.2 - Earthquake precursors, bioanomalies prior to earthquakes and prediction, 12:15–13:00, Room B4
	PSD18.1 , SSS10.6 - Fate of pesticides in the environment, 12:15–13:00, Room B7
	PSD20.13 , NH1.16 - Rapid mapping, recovery and damage assessment with earth observation techniques, 12:15–13:00, Room R7
FR3 , 13:30–15:00	PSD10.1 , IG3/HS12.4 - Isotope Techniques for Understanding Elemental Cycling in Catchments: Clues from temporal Dynamics and Spatial Resolution, 13:30–14:15, Room B7
	PSD11.3 , SM3.6/ERE5.4 - Induced Seismicity: Theory and Observation, 13:30–14:15, Room B4