

08:30 - 09:30	Registration	Foyer
09:30 - 09:45	Plenary opening by chair of the day Martina Vijver (Leiden University) and Marjolein Robijn (NWO)	Oudegracht 1 t/m 4
09:45 - 10:30	Keynote lecture by Paul Behrens - Leiden University • Futures from the frontiers of climate science and the role of scientists	Oudegracht 1 t/m 4
10:30 - 11:00	Coffee break • Demo's and exhibits	Foyer
11:00 - 11:45	Keynote lecture by Andy Hooper - University of Leeds • Global volcano deformation monitoring and forecasting from space	Oudegracht 1 t/m 4
11:45 - 13:00	Lunch • Demo's and exhibits	Foyer

Parallel Sessions 1.1

Tracks	Plastic Pollution in the Geosphere	Atmospheric Sciences	Energy, Resources and the Environment 1	Geodynamics, Geophysics & Geodesy	Ocean Circulation: Past & Future	Climate Change & Communication	Geomorphology	Planetary Boundaries
Room	Oudegracht 1	Oudegracht 2	Oudegracht 3	Oudegracht 4	Domtoren 3	Domtoren 4	Domtoren 5	Domtoren 6
Moderators	Tim van Emmerik & Helge Niemann	Ingrid Luijckx & Ivar van der Velde	Martina Vijver & José Mogollón	Wouter Schellart	Martin Ziegler	Aimée Slangen	Tjalling de Haas	Boris Jansen & Erik Cammeraat
13:00 - 14:00	<p>13:00 - 13:15 Louise Schreyers - WUR Discontinuities in fluvial plastic transport</p> <p>13:15 - 13:30 Anouk Boon - WUR Detection of underwater macroplastics in the field using acoustic backscatter</p> <p>13:30 - 13:45 Paolo Tasseron - WUR Monitoring riverbank litter: methodological choices and their impact on reported litter densities</p> <p>13:45 - 14:00 Nicolas Navarre - Leiden Univ. High-income countries significantly underestimate their plastic leakage to the environment</p>	<p>13:00 - 13:15 Katharina Heimerl - VU Amsterdam Remote sensing of urban columnar trace gas gradients during the Ruisdael Rotterdam campaign in 2022</p> <p>13:15 - 13:30 Stephan de Roode - TU Delft High-resolution simulations of urban air quality in the city of Rotterdam</p> <p>13:30 - 13:45 Xinya Liu - Univ. of Groningen Concentration, Chemical Composition, and Cloud Condensation Nuclei Activity of Aerosol at a new coastal station on the Dutch Wadden Sea</p> <p>13:45 - 14:00 Chiel van Heerwaarden - WUR Observations and simulations of solar irradiance variability under cumulus clouds</p>	<p>13:00 - 13:15 José Mogollón - Leiden Univ. Global nitrogen demand, waste, and potential circularity under nationally sourced EAT-Lancet diets</p> <p>13:15 - 13:30 Lingli Zhou - VU Amsterdam Critical metals and minerals: opportunities for geosciences in a green future</p> <p>13:30 - 13:45 Catrin Böcher - Leiden Univ. Material Flow Analysis of sand in the Netherlands</p> <p>13:45 - 14:00 Oscar Kamps - TU Delft Sensor-based material characterization in mining</p>	<p>13:00 - 13:15 Lex Verbrugh - Utrecht Univ. Explaining the surface motions of the Gibraltar Arc region with 3D instantaneous crust-mantle modelling</p> <p>13:15 - 13:30 Faezeh Shirmohammadi - TU Delft Surface-waves suppression using seismic interferometry for imaging and monitoring of the Groningen subsurface</p> <p>13:30 - 13:45 Arijit Laik - VU Amsterdam Protracted continental subduction, indentation and collisional boundary migration coupled with adjacent oceanic slab-rollback and slab detachment in large-scale buoyancy-driven 3D whole-mantle scale numerical models of subduction-and-collision</p> <p>13:45 - 14:00 Rosa de Boer - Utrecht Univ. Paleomagnetic and micromagnetic measurements of Middle Devonian pillow lavas from Germany</p>	<p>13:00 - 13:15 Brendan Oerlemans - Utrecht Univ. Warm early Cenozoic South Atlantic deep ocean based on clumped isotope thermometry</p> <p>13:15 - 13:30 Amber Boot - Utrecht Univ. The effect of forced Atlantic Meridional Overturning Circulation weakening on atmospheric pCO2</p> <p>13:30 - 13:45 Siren Rühls - Utrecht Univ. (IMAU) Robust estimates for the decadal evolution of Agulhas leakage from the 1960s to the 2010s</p> <p>13:45 - 14:00 Jeemijn Scheen - NIOZ Detectability of the AMOC in Atlantic sedimentary Pa/Th: a model-data comparison</p>	<p>13:00 - 13:15 Miren Vizcaino - TU Delft First application of neural networks to Greenland melt projections</p> <p>13:15 - 13:30 Siatwiinda Siatwiinda - WUR Impacts of climate change on maize yields in Zambia under conventional and optimized crop management</p> <p>13:30 - 13:45 Gijs van den Oord - Netherlands eScience Center Communicating impacts of climate change with the RECEIPT storyline visualizer</p> <p>13:45 - 14:00 Jochum van Montfoort - Univ. of Twente Governmental intervention towards climate resilience of Dutch high sandy soils</p>	<p>13:00 - 13:15 Sjoukje de Lange - WUR Bedform response to mean shear stress in the fluvial to tidal transition zone</p> <p>13:15 - 13:30 Duna Roda - VU Amsterdam Examining changes in mountain uplift, erosion and sediment supply from Myr to modern timescales: insights from the Western Southern Alps of New Zealand</p> <p>13:30 - 13:45 Bart Makaske - WUR Different hydrological controls causing variable rates of Holocene peat growth in a lowland valley system, north-eastern Netherlands</p> <p>13:45 - 14:00 Paul Hudson - Leiden Univ. Local and regional controls on summer 2021 flood sedimentation along the Maas River, Netherlands</p>	<p>13:00 - 13:15 Maarten van Doorn - WUR & Nutrienten Management Instituut The Phosphorus Saturation Degree as a Universal Agronomic and Environmental Soil P Test</p> <p>13:15 - 13:30 Hannah Flerlage - Univ. of Amsterdam CHNOPS - From the Origin of Life to the Origin of Waste</p> <p>13:30 - 13:45 Timo Heimovaara - TU Delft SoSEAL: from NWO project to industry funded pilot for stronger dikes</p> <p>13:45 - 14:00 Rasesh Pokharel - Utrecht Univ.. Can olivine transform dredged sediments from the Port of Rotterdam into a sustainable resource?</p>
14:00 - 14:30	Coffee break • Demo's and exhibits		Foyer					
14:00 - 15:30	Poster session A • Posters related to Parallel sessions of Day 1		Oudegracht 5 / Domtoren 1 + 2					

Parallel Sessions 1.2

Tracks	Earth Observation & Remote Sensing 1	Geochemistry, Mineralogy, Petrology & Volcanology	Energy, Resources and the Environment 2	Tectonics & Structural Geology	Climates of the Past	Past, Present and Future of the Antarctic Ice Sheet	Human Impacts on the Biosphere	Sedimentary Systems
Room	Oudegracht 1	Oudegracht 2	Oudegracht 3	Oudegracht 4	Domtoren 3	Domtoren 4	Domtoren 5	Domtoren 6
Moderators	Ingrid Luijckx & Ivar van der Velde	Pieter Vroon	José Mogollón	Wouter Schellart	Martin Ziegler	Aimée Slangen & Lennert Stap	Aafke Schippers	Kim Cohen
15:30 - 16:30	<p>15:30 - 15:45 Fenna van den Bogaard - TNO Quantification of CO2 emissions from coal-fired power plants from space, using co-located CO2 and NO2 enhancements</p> <p>15:45 - 16:00 David Donovan - KNMI The Earth Clouds and Radiation Explorer (EarthCARE) Satellite: a Multisensor Global Cloud, Aerosols, Precipitation, and Radiation mission</p> <p>16:00 - 16:15 Christoph Hecker - Univ. of Twente GEOHOT: the first two years of Geothermal hotspot detection with ECOSTRESS data</p> <p>16:15 - 16:30 Nishit Patel - Univ. of Twente Spatial Downscaling of Land Surface Temperature (LST) using radar data</p>	<p>15:30 - 15:45 Ina Alt - VU Amsterdam Base metal ore mineralization in the upper crust of the Moldanubian Domain, Bohemian Massif, CZ: generation and source, a question of fluid flow</p> <p>15:45 - 16:00 Janou Koskamp - Utrecht Univ. The impact of solution stoichiometry on crystal formation: Stability of charged triple-ion clusters</p> <p>16:00 - 16:15 Urja Zaveri - Utrecht Univ. Effect of aging on hydrothermal vent iron nanoparticles in seawater</p> <p>16:15 - 16:30 Vincent Peters - Utrecht Univ. Stoichiometry effects on BaSO4 crystallisation: Experiments and theory</p>	<p>15:30 - 15:45 Ka Li - TU Delft Effects of Thermal Shocks on Cement for CCS under Confined and Unconfined Conditions</p> <p>15:45 - 16:00 Johannes Miocic - Univ. of Groningen Regional-scale technical shallow geothermal energy calculation using a steady-state solution of the finite line source</p> <p>16:00 - 16:15 Arjan Dijkstra - Univ. of Twente (ITC) Towards remote sensing of Rare Earth Element resources – first steps: spectroscopy of synthetic REE minerals</p> <p>16:15 - 16:30 Sijie Feng - WUR Agricultural ammonia emission control is essential for reducing N deposition-induced water pollution</p>	<p>15:30 - 15:45 Ismay Vénice Akker - ETH Zürich Structural characterization of natural fractures and faults in the Opalinus Clay: A geological study on the potential host rock for a deep radioactive waste repository in Switzerland</p> <p>15:45 - 16:00 Jasper Smits - Utrecht Univ. Laser-based seismic imaging of analogue models</p> <p>16:00 - 16:15 Entela Kane - TU Delft Reactivation envelopes of mature Dinantian carbonate faults targeted for geothermal energy</p> <p>16:15 - 16:30 Harini Thiyagarajan - Utrecht Univ. Tectonic evolution of Western margin of South America during the Mesozoic</p>	<p>15:30 - 15:45 Dan Valentin Palcu - Utrecht Univ. Host sapropel signatures marking late Cretaceous - early Paleogene instability of the Atlantic Ocean</p> <p>15:45 - 16:00 Isabel van der Hoeven - NIOZ Mediterranean deoxygenation and changes in basin restriction during the last 5 million years</p> <p>16:00 - 16:15 Niels de Winter - VU Amsterdam A data-model comparison of shallow marine seasonality during the Mid-Pliocene</p> <p>16:15 - 16:30 Bianca Spiering - Utrecht Univ. Milankovitch forcing during the prelude to the Cambrian explosion of life</p>	<p>15:30 - 15:45 Eveline van der Linden - KNMI Antarctic contribution to future sea level from ice shelf basal melt as constrained by ice discharge observations</p> <p>15:45 - 16:00 Lennert Stap - Utrecht Univ. (IMAU) Miocene Antarctic ice sheet area responds significantly faster than volume to CO2-induced climate changes</p> <p>16:00 - 16:15 Ann-Sofie Zinck - TU Delft Ice shelf basal melt channel revealed by BURGEE</p> <p>16:15 - 16:30 Shashwat Shukla - TU Delft Large spatial variations in firn scattering processes across Antarctic ice shelves</p>	<p>15:30 - 15:45 Floris Neijns - Radboud Univ. Effects of nutrient addition on freshwater species abundance: a meta-analysis</p> <p>15:45 - 16:00 Jinhui Zhou - Leiden Univ. Regionalized effects of nitrogen emissions on freshwater fish species richness</p> <p>16:00 - 16:15 Hadassa Moreira - Radboud Univ. Threats of Land Use to the Global Diversity of Vascular Plants</p> <p>16:15 - 16:30 Mark van der Schoot - Utrecht Univ. Human impact on the Post glacial vegetation and landscape development reconstructed from the sedimentary infill of a pingo remnant 'Ei van Onnen' in the Northern Netherlands</p>	<p>15:30 - 15:45 Teun van Woerkom - Utrecht Univ. A journey to Amasedia; a virtual world that educates on Amazon sediment management</p> <p>15:45 - 16:00 Pelle Adema - Utrecht Univ. Turbidity current – contour current interaction across submarine channels: the effect of channel aspect ratios on flow interaction</p> <p>16:00 - 16:15 Lisa Boterman - WUR Roman-aged counterpoint deposition in the Lower Rhine River near Nijmegen, the Netherlands</p> <p>16:15 - 16:30 Alexandra Siebels - VU Amsterdam / TNO Miocene Depocenters and Sediment Supply in the Roer Valley Rift System: Impacts of Tectonics, Eustacy and Climate</p>
16:30 - 17:00	Coffee break • Demo's and exhibits		Foyer					
17:00 - 17:30	Award ceremony • NWO Science Prizes & NGMG Escher- & Jelgersma Prizes/NJG Publication Award		Oudegracht 1 t/m 4					
17:30 - 18:30	Drinks		Foyer					
18:30 - 20:30	Diner		Nieuwegracht 1+2					
20:30	Evening programme • Superstar Coverband; Support act: DJ's from Texel!		Foyer • Nieuwegracht 1+2					

08:15 - 09:00	Registration	Foyer
09:00 - 09:45	Keynote lecture by Claire Chenu - AgroParisTech • Are soils a solution for climate change?	Oudegracht 1 t/m 4
09:45 - 10:15	Coffee break • Demo's and exhibits	Foyer
09:45 - 11:15	Poster session B • Posters related to Parallel sessions of Day 2	Oudegracht 5 / Domtoren 1 + 2

Workshops

Room	Oudegracht 1	Oudegracht 2	Oudegracht 3	Oudegracht 4	Domtoren 3	Domtoren 4	Domtoren 5	Domtoren 6
11:15 - 12:15	Workshop 1 Plastic across the sea-ocean interface by Helge Niemann & Tim van Emmerik	Workshop 2 Can satellites benefit Earth and Environmental Sciences? by Jolien Diekema, Raymond Sluiter & Radboud Koop	Workshop 3 KIN (Klimaatonderzoek Initiatief Nederland) by Josef Stuefer & Freerk Drijfhout	Workshop 4 Scientific Storytelling by Gemma Venhuizen	Workshop 5 "Gender imbalance in Earth Sciences?" by KNGMG	Workshop 6 From Geo to Astro: opportunities for geoscientists in the field of planets, moons and life beyond Earth by Wim van Westrenen & Stéphanie Cazaux	Workshop 7 Developments in the NWO Talent Scheme by Nadine Mascini	Workshop 8 Using immersive experiences for future resilience by Simona Pedde, Jasper Candel, Timon Verduijn, Barbara Krawczyk, Alexander Klippel & Jakob Wallinga
11:45 - 13:15	Lunch • Demo's and exhibits	Foyer						

Parallel Sessions 2.1

Tracks	Biogeosciences 1	Earth Observation & Remote Sensing 2	Soil System Sciences	Data Science (in the Earth- and Environmental Sciences)	Natural & Human Induced Hazards & Threats	Comparative Planetology 1	Hydrological Sciences 1	Seismology & Rock Physics 1
Room	Oudegracht 1	Oudegracht 2	Oudegracht 3	Oudegracht 4	Domtoren 3	Domtoren 4	Domtoren 5	Domtoren 6
Moderators	Lennart de Nooijer	Hossein Aghababaei	Boris Jansen & Mathilde Hagens	Roshanak Darvishzadeh	Ling Chang	Sebastiaan de Vet	t.b.a.	Jelle Assink & Mark van der Meijde
13:15 - 14:15	13:15 - 13:30 Anna-Selma van der Kaaden - NIOZ & Utrecht Univ. Self-organization in cold-water corals 13:30 - 13:45 Laura Pacheco Sampedro - NIOZ Proxy-relationships across foraminiferal orders 13:45 - 14:00 Filipa Ferreira - Utrecht Univ. Nanoscale mapping of oceanic crust samples from Rainbow hydrothermal vent field: Apatite characterization as a bioavailable P source 14:00 - 14:15 Frank Wesselingh - Naturalis Biodiversity Center Depositional and ecosystem evolution and drivers of marine biodiversity turnover in the Piacenzian-Gelasian of the southern North Sea Basin and their implications for the Anthropocene biodiversity crisis	13:15 - 13:30 Fatemeh Foroughnia - TU Delft A Regional-scale Landslide Mapping using SAR Backscatter Data: The 2021 Haiti Earthquake Case Study 13:30 - 13:45 Logambal Madhuanand - Utrecht Univ. Mapping macrozoobenthic species distribution in the Dutch Wadden Sea using object-based image analysis and encoded features from a deep learning model 13:45 - 14:00 Xu Shan - TU Delft Assimilating ASCAT backscatter and slope into land surface model: Case studies at ISMN stations in Europe 14:00 - 14:15 Meiert Grootes - Netherlands eScience Center The Remote Sensing Deployable Analysis environment (RS-DAT)	13:15 - 13:30 Guusje Koorneef - WUR Capability of selected indicators for soil organic carbon stability to predict soil functions 13:30 - 13:45 Anniek Kortleve - Leiden Univ. Carbon Storage in the Soil beneath Urban Greenspaces 13:45 - 14:00 Emily te Pas - WUR Assessment of the enhanced weathering potential of different silicate minerals to improve soil quality and sequester CO₂ 14:00 - 14:15 Evy de Nijs - Univ. of Amsterdam A molecular study on degradation patterns during co-composting of rose waste and the potential occurrence of co-metabolism	13:15 - 13:30 Meiling Cheng - TU Delft Data-driven deep generative model for high-resolution spatiotemporal ozone forecasting 13:30 - 13:45 Hamed Amiri - Utrecht Univ. Spatio-temporal behavior of reaction-induced pore network using 4D in-situ synchrotron tomography: a deep learning approach 13:45 - 14:00 Hannah Vogel - Utrecht Univ. 3-D Reconstructions of Porous Media from 2-D input via Generative Adversarial Networks (GANs) 14:00 - 14:15 Bouwe Andela - Netherlands eScience Center Climate data analysis with ESMValTool	13:15 - 13:30 Thaem Mous - WUR Explaining land subsidence variation along the north coast of Java for Semarang and Pekalongan, Indonesia 13:30 - 13:45 Cengiz Arslan - WUR Nature Based Building Blocks for Coastal Adaptation 13:45 - 14:00 Marc Hijma - Deltares Geology and dike-failure mechanisms: the case of piping in tidal sand 14:00 - 14:15 Lina Madaj - VU Amsterdam Sediment Transport into Tuktoyaktuk Harbour, Northwest Territories, Canada – How Tides, Waves and Coastal Erosion Impact a Northern Coastal Community	13:15 - 13:30 Arwen Deuss - Utrecht Univ. Normal mode based seismic elastic and anelastic tomography and its interpretation in terms of mantle temperature, composition and grain size 13:30 - 13:45 Eldert Advokaat - Utrecht Univ. Finding Argoland: reconstructing a lost continent in SE Asia 13:45 - 14:00 Alix Seegers - VU Amsterdam Introducing Planetbuilder: an open-source tool for modelling planetary core-mantle separation 14:00 - 14:15 Marjolein Blasweiler - Utrecht Univ. The changing gravity field due to a superplume under the Tharsis Region	13:15 - 13:30 Janine de Wit - KWR Water Research Institute & WUR Controlled drainage with subirrigation; a water management measure to discharge, retain and recharge fresh water 13:30 - 13:45 Thijs Hendriks - Utrecht Univ. High resolution monitoring and simulation of groundwater salinity changes in response to multi-level groundwater extractions in a coastal aquifer system 13:45 - 14:00 Danyang Yu - Univ. of Twente Integrated modeling of radiation transfer, plant growth, and the movement of soil moisture and heat in the soil-plant-atmosphere continuum (STEMMUS-SCOPE-WOFOST v1.0.0) 14:00 - 14:15 Niguse Hagos - WUR Identifying soil erosion prone hotspot locations using RUSLE and SedInConnect models	13:15 - 13:30 - Vincent van der Heiden - Utrecht Univ. How Fault Geometry, Stress Loading and Dynamic Propagation Affect the 2022 ML 3.1 Wurdum Earthquake 13:30 - 13:45 La Ode Marzujrihan Masfara - TU Delft Source characterization of the 3.4 Groningen Earthquake Using Hamiltonian Monte Carlo Algorithm 13:45 - 14:00 Janneke de Jong - Utrecht Univ. Sensitivity Kernels for Borehole Receiver Functions – Preliminary Results for the Groningen Gas field 14:00 - 14:15 Pauline Kruijer - KNMI Site response in Groningen using measured and modelled shear-wave velocity profiles
14:15 - 14:45	Coffee break • Demo's and exhibits		Foyer					
14:45 - 15:45	Workshop 9 • Earth Observation Council Kick-Off by Sander Houweling & Jolien Diekema		Oudegracht 2					

Parallel Sessions 2.2

Tracks	Biogeosciences 2	Carbon Cycle	Education, Outreach and Geoheritage	Subsidence	Comparative Planetology 2	Hydrological Sciences 2	Seismology & Rock Physics 2
Room	Oudegracht 1	Oudegracht 3	Oudegracht 4	Domtoren 3	Domtoren 4	Domtoren 5	Domtoren 6
Moderators	Lennart de Nooijer	Mathilde Hagens, Ingrid Luijckx & Ivar van der Velde	Boris Jansen & Erik Cammeraat	Ling Chang	Tjalling de Haas	t.b.a.	Jelle Assink & Mark van der Meijde
14:45 - 15:45	14:45 - 15:00 Bas Plate - VU Amsterdam Gas fluxes in subarctic ponds and lakes 15:00 - 15:15 Olga Zygadlowska - Utrecht Univ. High methane emissions from a marine coastal basin despite efficient methane removal in the water column 15:15 - 15:30 Szabina Karancz - NIOZ Sulfur incorporation in planktonic foraminifera 15:30 - 15:45 Daniel Francois Do Nascimento Silva - NIOZ Ion pumping and mitochondrial activity effects on trace-element incorporation in hyaline foraminifera	14:45 - 15:00 Alexander Buzacott - VU Amsterdam Methane emissions from Dutch peatlands measured by eddy covariance 15:00 - 15:15 Gerbrand Koren - Utrecht Univ. Temporally consistent estimates of net ecosystem exchange for North America from multiple data streams 15:15 - 15:30 Jeremy Emmett - VU Amsterdam A Microbial Model of CH₄ Emission in Permafrost Terrains 15:30 - 15:45 Geert Hensgens - VU Amsterdam Greenhouse gas emissions from Arctic ecosystems	14:45 - 15:00 Michiel van der Meulen - TNO - Geological Survey of the Netherlands The new Geological Map of the Kingdom of the Netherlands 15:00 - 15:15 Kaj-Ivar van der Wijst - Utrecht Univ. (Copernicus Inst. Sust. Dev.) Empowering bachelor and master students with Jupyter Notebooks in geoscience curricula 15:15 - 15:30 Stefanie Lutz - Utrecht Univ. From citizen to student science: student-organised water quality fieldwork trains chemistry knowledge and teamwork skills 15:30 - 15:45 Harmen Knap - WUR Identifying timely research questions related to water security in the Netherlands	14:45 - 15:00 Manon Verberne - Utrecht Univ./TNO Settlement predictions along a highway, a data assimilation approach combining CPT and PS-InSAR 15:00 - 15:15 Phillip Minderhoud - WUR Improving Subsidence Modelling of Different Depth Domains in the Mekong Delta 15:15 - 15:30 Selena Baldan - Università degli Studi di Padova A 3D evolution model of the Mekong delta based on core data and paleo-sedimentation 15:30 - 15:45 Chayenne Janssen - Utrecht Univ. Shallow (sub)surface deformation due to fluctuating groundwater levels in the Groningen gas field area	14:45 - 15:00 Orr Rose Bezaly - Univ. of Amsterdam Prebiotic adsorption of GABA on Ca-Montmorillonite clay 15:00 - 15:15 Marc Heemskerck - ICEE.Space Lava Tubes as Future Lunar Habitats: Purpose, Protection, and Projections for These Pristine Environments 15:15 - 15:30 Jitse Alsemgeest - VU Amsterdam Where (not) to look for life on Mars 15:30 - 15:45 Alexandra Zetterlind - Utrecht Univ. Simulating the Liberation of Tarda Meteorite Organic Matter into Early Earth's Pond Environments: Preliminary Results	14:45 - 15:00 Jan Willem Foppen - TU Delft Potential and limitations of silica encapsulated DNA particles for hydro(geo)logy 15:00 - 15:15 Tim van Emmerik - WUR Rivers as plastic reservoirs 15:15 - 15:30 Gabriel Antonio Cardenas Belleza - Utrecht Univ. Sectoral water use responses to droughts and heatwaves: analyses from local to global scales from 1990-2019 15:30 - 15:45 Bart Schilperoord - Netherlands eScience Center The eWaterCycle platform for open and FAIR hydrological modelling	14:45 - 15:00 Islam Fadel - Univ. of Twente Sea bottom seismometer experiment in the North Sea: Development and early results 15:00 - 15:15 Evgeniia Martuganova - TU Delft Understanding North Sea seismicity for risk mitigation of large-scale CO₂ injection 15:15 - 15:30 Ronald van Balen - VU Amsterdam & TNO - Geological Survey of the Netherlands Surface rupturing earthquakes at the Peelboundary faultzone, new results from the Uden trench (2018) 15:30 - 15:45 Shahar Shani-Kadmiel - KNMI Seismo-acoustic monitoring of wind turbines around a proposed Einstein Telescope site
16:00 - 16:30	Plenary lecture by Wilco Hazeleger - University Utrecht • Central Access to International Data			Oudegracht 1 t/m 4			
16:30 - 16:45	Award ceremony • NAC 2023 Photo & Poster Prizes			Oudegracht 1 t/m 4			
16:45 - 17:00	Coffee break			Foyer			
17:00 - 17:45	Keynote lecture by Walter Immerzeel - Utrecht University • Beyond snow and ice on the roof of the world			Oudegracht 1 t/m 4			
17:45 - 18:45	Drinks			Foyer			