



NWO
NAC

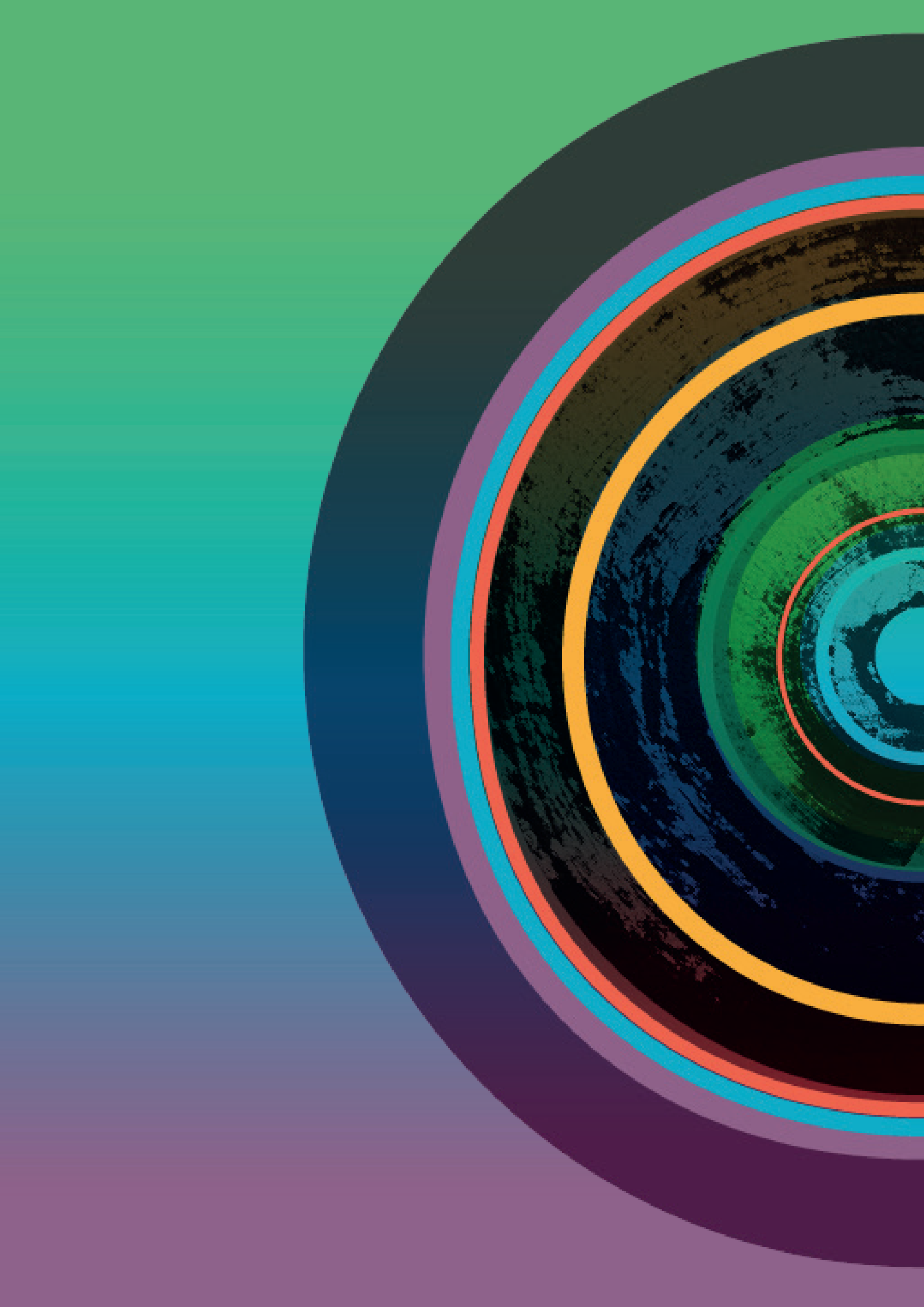
Programme
07–
08 March
2024

NAC

Van der Valk
Hotel Utrecht

www.nwonac.nl





Thursday 7 March 2024

Registration	08:30	09:30	Foyer
Plenary opening by chair Aimée Slangen (NIOZ) and Marjolein Robijn (NWO Domain Science)	09:30	09:45	Oudegracht 1 - 4
Keynote lecture by Iain Stewart, Royal Scientific Society of Jordan Geoscience for Sustainability: Integrating People, Planet and Prosperity	09:45	10:30	Oudegracht 1 - 4
Coffee break, demos and exhibits	10:30	11:00	Foyer
Keynote lecture by Tamsin Edwards, King's College London AI into IPCC? Machine learning and climate impacts	11:00	11:45	Oudegracht 1 - 4
Lunch, demos and exhibits	11:45	13:00	Foyer
Kick-off - Diversity and Inclusion Initiative	12:15	13:00	Domtoren 3

Parallel Sessions 1.1

Room: Oudegracht 1	13:00	13:15	Wenzhuo Cao, Utrecht University Spatiotemporal distribution of fluid induced seismicity at the Hellisheiði geothermal field, Iceland
Energy, Resources and the Environment 1	13:15	13:30	Annelotte Weert, University of Naples The Late Jurassic geothermal play of the West Netherlands Basin
	13:30	13:45	Yuan Chen, Delft University of Technology Simulation of the Delft campus geothermal wells constrained by the producer well logs and the impact of the sidetrack well on production well Bottom Hole Pressure (BHP)
	13:45	14:00	Auke Barnhoorn, Delft University of Technology Openhole wireline logging in the Nieuwerkerk Formation in the subsurface of Delft based upon producer and injector DEL-GT borehole data
Room: Oudegracht 2	13:00	13:15	Rahel Hauk, Wageningen University & Research The journey of buttertubs spilled during the July 2021 floods in the Meuse
Geomorphology and Natural hazards 1	13:15	13:30	Irene Manzella, University of Twente We have Smartphones, can we have Smart Rocks?
	13:30	13:45	Fatemeh Foroughnia, Delft University of Technology InSAR-based Assessment of Post-Earthquake Building Recovery Process
	13:45	14:00	Benjamin Campforts, VU Amsterdam How landslides shape mountains
Room: Oudegracht 3	13:00	13:15	Rosalie Arendt, University of Twente Residual carbon emissions in companies' climate pledges: Who has to reduce and who gets to remove?
Carbon Cycle 1	13:15	13:30	Gerbrand Koren, Utrecht University The role of entrainment on carbon and water cycle tracers over a tropical and temperate forest
	13:30	13:45	Ruben van 't Loo, Wageningen University & Research Seasonal Forecasting of Terrestrial Carbon Cycle Variability in Europe
	13:45	14:00	Cuun Koek, University of Groningen Assessing North Sea carbon and nutrient cycle responses to regional and global climate change
Room: Oudegracht 4	13:00	13:15	Anna Enge, Delft University of Technology Norwegian Trench: Currents, Eddies, and Sediments - Insights from RV Pelagia Expedition 2023
Ocean Sciences & Coastal Dynamics 1	13:15	13:30	Marc Hijma, Deltares One or two peaks? Rates of Early Holocene sea-level rise using sea-level data from the southern North Sea
	13:30	13:45	Daniëlle van der Burg, University of Amsterdam Pristine pteropods: little aragonite dissolution in undersaturated deep ocean waters
	13:45	14:00	Anna van der Kaaden, Utrecht University Cold-water corals: will they move up when they can't move down?
Room: Domtoren 3	13:00	13:15	Lu Zhou, Utrecht University Deciphering Arctic Atlantification: A Detailed Analysis of Sea Ice Balance Over Recent Decades
Earth Observation & Remote Sensing 1	13:15	13:30	Valentina Macchiarulo, Delft University of Technology Multi Temporal InSAR-based evaluation of motorway bridges in Rotterdam
	13:30	13:45	Susan Steele-Dunne, Delft University of Technology SLAINTE: A sub-daily SAR mission concept to take the pulse of Earth's terrestrial ecosystems
	13:45	14:00	Sergio Vitale, University of Naples Coastline Monitoring using Synthetic Aperture Radare and Deep Learning
Room: Domtoren 4	13:00	13:15	Niklas Hohmann, Utrecht University Nonparametric Estimation of Age-Depth Relationships from Sedimentological and Stratigraphic Data
Geochronology	13:15	13:30	Emilia Jarochowska, Utrecht University Using forward modelling to test hypotheses on age-depth relationships in marine carbonate records
	13:30	13:45	Shijie Shang, VU Amsterdam Tectonic evolution of Pelagonian and Cycladic Blueschist Units on Andros (Greece) based on 40Ar/39Ar multiple single crystal dating
	13:45	14:00	Rick Verberne, University of Copenhagen Clustering and interfacial segregation of radiogenic Pb in a mineral host - inclusion system
Room: Domtoren 5	13:00	13:15	Isaak Eijkelboom, Utrecht University LegaSea: AI and citizen science help contextualise fossils and artefacts from the Dutch North Sea
Education, Outreach and Geoheritage	13:15	13:30	Fleur van Crimpen, VU Amsterdam How prolonged engagement of early career researchers in northern communities enhances two-way knowledge exchange in physical science
	13:30	13:45	Paula M. Boy, Utrecht University Challenges and opportunities for ChatGPT in sustainability education
	13:45	14:00	Emma Daniels, Utrecht University Virtual oceanography fieldwork: The virtual ship classroom
Room: Domtoren 6	13:00	13:15	Stephen Akinremi, University of Twente Enhanced Moho retrieval in the presence of sediments using waveform fitting of receiver functions
Geodynamics, Geophysics & Geodesy	13:15	13:30	Martha Kusters, Utrecht University Understanding ARMs at Grain Level in a natural sample: Micromagnetic Tomography in action
	13:30	13:45	Francisco Paz Bolrão, VU Amsterdam Dynamical evolution of forearc subsidence controlled by slab geometry
	13:45	14:00	Cedric Thieulot, Utrecht University Quantifying mantle mixing through configurational Entropy

Thursday 7 March 2024

Coffee break, demos and exhibits	14:00	14:30	Foyer
Poster session A - Posters related to parallel sessions of Day 1	14:00	15:30	Oudegracht 5 / Domtoren 1 + 2

Parallel Sessions 1.2

Room: Oudegracht 1	15:30	15:45	Suzanne Hangx, Utrecht University Exploitation of the Groningen Gas Field: Our understanding of its reservoir compaction
	15:45	16:00	Yuntao Ji, Utrecht University Evolution of Microcracks and Permeability in Deformation-Damaged Natural Salt: Insights from 4D Microtomography
	16:00	16:15	Peng Cheng, University of Groningen Do micromechanical properties of clay minerals change due to hydrogen exposure?
	16:15	16:30	Kai Li, Delft University of Technology Effects of Thermal Cycling on Sealing Ability of Sealant Surrounding Steel Pipe for CCS Applications
Energy, Resources and the Environment 2	15:30	15:45	Haftu Yemane Hadush, Wageningen University & Research Exploring the sediment redistribution of a data scarce catchment in Ethiopia using the USPED model
	15:45	16:00	Liz Chamberlain, Wageningen University & Research Cascading hazards of a major Bengal basin earthquake and abrupt avulsion of the Ganges River
	16:00	16:15	Steven de Jong, Utrecht University Mass Movement Hazard & Climate Change: Physical-Deterministic Modelling Study of the Rest and Be Thankful Pass, UK
	16:15	16:30	Tim Hermans, Utrecht University Projecting Changes in the Drivers of Compound Flooding in Europe Using CMIP6 Models
Room: Oudegracht 2	15:30	15:45	Lucia Kranawetter, NIOZ Sedimentary burial and recycling of carbon and other nutrients within the Norwegian Trench
	15:45	16:00	Lina Madaj, VU Amsterdam Fluvial versus coastal input of permafrost organic carbon - insights from the Canadian Beaufort Sea
	16:00	16:15	Yord Yedema, Utrecht University Holocene OC burial in the Mississippi Delta: comparing rates in terrestrial vs. marine environments
	16:15	16:30	Guangnan Wu, NIOZ Carbon burial and degradation of in sediments of a human-impacted estuarine harbor (Port of Rotterdam)
Geomorphology and Natural hazards 2	15:30	15:45	Constantijn Kurpershoek, Utrecht University Effect of Sahara dust events on the biological carbon pump in the Mediterranean Sea
	15:45	16:00	Olga Bernadet, NIOZ Role of coastal sediment in contaminants of emerging concern sequestration in the Dutch Wadden Sea
	16:00	16:15	Virginia Sanchez Barranco, NIOZ Seasonal dynamics of tropical bay- and their exchange with the oceans at Curaçao and its effect on nearby coral reefs
	16:15	16:30	Nataschia Panno, Delft University of Technology Modelling luminescence of sand grains for coastal sediment tracing
Carbon Cycle 2	15:30	15:45	Paco Frantzen, Delft University of Technology Improving the estimation of ASCAT slope for monitoring vegetation processes
	15:45	16:00	Xu Shan, Delft University of Technology On quantifying the uncertainty of the Jacobians of the data-driven methods in the data assimilation framework
	16:00	16:15	Frithjof Ehlers, Delft University of Technology Obtaining densely sampled river elevation profiles from Sentinel-6 data
	16:15	16:30	David Hartmann, NLR Modelling near-shore bathymetry of Puerto Rico with multispectral and hyperspectral imagery and machine learning
Room: Oudegracht 4	15:30	15:45	Mei Nelissen, NIOZ The evolution of the North-Western Greenland Glaciated Margin of the past 25 Myrs: preliminary palynological results from IODP X400
	15:45	16:00	Arielle van Dusseldorp, Utrecht University Stable South Atlantic deep sea temperatures across the Eocene-Oligocene Transition
	16:00	16:15	Lauren O'Connor, Utrecht University Abrupt cooling event 30 ka before the K-Pg: a link between terrestrial climate & Deccan volcanism?
	16:15	16:30	Jeroen van der Lubbe, VU Amsterdam Oxygen isotopes in fish phosphate integrate catchment and evaporative controls in the Turkana Basin
Ocean Sciences & Coastal Dynamics 2	15:30	15:45	Yorick P. Veenma, University of Cambridge True substrates, trace fossils, and the time-stratigraphic fidelity of Cambrian quartzites
	15:45	16:00	Zeina Naim, VU Amsterdam Carbonate Deposition Dynamics in a Playa-Lake System
	16:00	16:15	Melanie During, VU Amsterdam A Mosasaur in the Hell Creek; Were these Maastrichtian lizards as marine as commonly thought
	16:15	16:30	Hemmo Abels, Delft University of Technology Sedimentology and stratigraphy of the Nieuwerkerk Formation in the subsurface of Delft based upon new DEL-GT borehole data
Room: Domtoren 3	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Room: Domtoren 4	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Room: Domtoren 5	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Room: Domtoren 6	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Stratigraphy & Sedimentology	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Tectonics and Structural Geology	15:30	15:45	Celine Marsman, Utrecht University Bayesian Inference of Rheological Parameters from Observations Before and After the Tohoku Earthquake
	15:45	16:00	Hugo van Schroyen, Lantman, University of Oslo Residual stress mapping as tool to reconstruct seismogenic faulting in the lower crust
	16:00	16:15	Andrew Keats, Utrecht University Mechanisms and microstructures of strain localization in supra-subduction a zone mantle wedge
	16:15	16:30	Geert-Jan Vis, Geological Survey of the Netherlands (TNO) Building a gravitational wave observatory (Einstein Telescope) in a Variscan orogenic belt
Moderator: Wouter Schellart			

Coffee break, demos and exhibits	16:30	17:00	Foyer
Masterclass for PhD students-Invitation only	16:30	18:30	Domtoren 3
Award ceremony NWO Science Prizes, Vening Meinesz Prize and NJG Publication Prize	17:00	17:30	Oudegracht 1 - 4
Drinks	17:30	18:30	Foyer
Diner	18:30	20:30	Nieuwegracht 1+2
Evening programme Superstar Coverband and DJs	20:30	23:45	Foyer/ Nieuwegracht 1+2

Friday 8 March 2024

Registration	08:15	09:00	Foyer
Keynote lecture by Katherine Richardson, University of Copenhagen Planetary Boundaries: Guardrails for managing the Human-Earth relationship	09:00	09:45	Oudegracht 1 - 4
Coffee break, demos and exhibits	09:45	10:15	Foyer
Postersession B - Posters related to parallel sessions of Day 2	09:45	11:15	Oudegracht 5 / Domtoren 1 + 2
Workshop 1 - ECORD/IODP/ICDP Town Hall meeting by Martin Ziegler & Timme Donders	11:15	12:15	Oudegracht 1
Workshop 2 - Towards a national geo-platform by Frank Wesselingh and Sanneke van Asselen	11:15	12:15	Oudegracht 2
Workshop 3 - Science & Activism by Riccardo Riva & Anniek Kortleve	11:15	12:15	Domtoren 3
Workshop 4 - Dilemmas in Earth science by Barthold Schroot and Bob Hoogendoorn	11:15	12:15	Oudegracht 4
Workshop 5 - EPOS-eNLarge kicks off! by Ronald Pijnenburg	11:15	12:15	Oudegracht 3
Workshop 6 - Developments in (exo)planetary science in the Netherlands by Wim van Westrenen	11:15	12:15	Domtoren 4
Workshop 7 - Research Network Climate Resilient Sandy Soils by Ellen Weerman & Jakob Wallinga	10:15	12:15	Domtoren 5
Workshop 8 - Mapping Geothermal Resources from Space by Christoph Hecker	11:15	12:15	Domtoren 6
Lunch, demos and exhibits	12:15	13:15	Foyer

Parallel Sessions 2.1

Room: Oudegracht 1	13:15	13:30	Yi Wang, Wageningen University & Research Effect of Wheat Crops on the Persistence and Attenuation of Antibiotic Resistance Genes in Soil after Swine Wastewater Application
Environmental Sciences 1	13:30	13:45	Yan Dong, University of Amsterdam How BBFs influence the degradation of pharmaceuticals in soil
	13:45	14:00	Joren Bruggink, Radboud University Nijmegen The importance of forest soil age on the microarthropod diversity
	14:00	14:15	Marie-Charlott Petersdorf, Radboud University Nijmegen What makes a good mite diet? Nutritional requirements for Platynothrus peltifer a herbivorous grazer
	14:15	14:30	
Room: Oudegracht 2	13:15	13:30	Sneha Chevuru, Utrecht University Comparing the performance of crop growth models during droughts and heatwaves
Hydrological Sciences 1	13:30	13:45	Alexander Buzacott, VU Amsterdam Tracer aided estimates of mean travel times and catchment storage in an Australian alpine catchment
	13:45	14:00	Janine de Wit, KWR Water Research Institute Controlled drainage with subirrigation: automatic control to manage fresh water use
	14:00	14:15	Willem Zaadnoordijk, TNO Geologische Dienst Nederland Trends in dynamics of groundwater levels in the Netherlands
	14:15	14:30	
Room: Oudegracht 3	13:15	13:30	Anouk van Boxtel, NIOZ / Utrecht University Dust-associated production and export of phytoplankton biomarkers in Ionian Sea sediment traps
Biogeosciences 1	13:30	13:45	Camila Areias, VU Amsterdam Microbial micritization experiments: Comparing heterotrophic and phototrophic bacteria
	13:45	14:00	Signe Haukelidsaeter, Utrecht University Chemical and microbial removal of iron and manganese in a rapid sand filter and impact of regular backwash
	14:00	14:15	Anne Kruijt, Utrecht University Light limitation of poleward coral reef expansion during past warm climates
	14:15	14:30	
Room: Oudegracht 4	13:15	13:30	Nathalie van der Putten, VU Amsterdam Holocene Southern Westerly evolution: combined terrestrial and marine records from the Indian Ocean
Paleoclimate & Past Climate Change 1	13:30	13:45	Robyn Granger, NIOZ Fluctuations in the marine nitrogen cycle of the Benguela Upwelling System over the last 140 ka
	13:45	14:00	Yuanyuan Du, Utrecht University Reconstructing local floristic diversity and environmental conditions in Modern time through pingo lake sediment: palynological and geochemical records from lake Hijkermeer, the Netherlands
	14:00	14:15	Max van den Bogaert, Utrecht University A plant-wax hydrogen-isotope record of hydroclimate over the K/Pg boundary from Canadian peats
	14:15	14:30	
Room: Domtoren 3	13:15	13:30	Guillaume Rongier, Delft University of Technology Geostatistics and machine learning: contenders or doppelgangers?
Data Science	13:30	13:45	Patrick Eneche, University of Twente A dashboard indicating robust drivers of surface warming in diverse urban landscape characters
	13:45	14:00	Hanna Heinczinger, Delft University of Technology Finding the rocks: a machine learning strategy for drone-assisted meteorite search
	14:00	14:15	Roxanne Frappier, VU Amsterdam Insights into ice-wedge polygons distribution mapping and potential impact on permafrost landscape vulnerability characterisation
	14:15	14:30	
Room: Domtoren 4	13:15	13:30	Srinidhi Gadde, University of Twente Contribution of blowing snow sublimation to the surface mass balance of Antarctica
Present & Future Climate Change	13:30	13:45	Kaj-Ivar van der Wijst, Utrecht University From physical climate change to economic damages: estimating the costs and benefits of climate policy
	13:45	14:00	Sjoerd Terpstra, Utrecht University Analysis of Abrupt Changes in CMIP6 Models Using Edge Detection
	14:00	14:15	Victor Malagón-Santos, NIOZ Physical-based Emulation of Thermosteric Sea-level Rise Using CMIP6 Models
	14:15	14:30	
Room: Domtoren 5	13:15	13:30	Heather Handley, University of Twente Magma ascent in active Australian intraplate basaltic volcanic provinces
Geochemistry, mineralogy, petrology & volcanology	13:30	13:45	Ina Alt, VU Amsterdam Crustal fluid cycling triggers large-scale melting in Moldanubian migmatites by LA-ICP-MS
	13:45	14:00	Lisanne van Huisstede, VU Amsterdam The geochemistry of Iceland's youngest volcano: Fagradalsfjall
	14:00	14:15	Alemeh Karami, Utrecht University Synthesis of Ni-doped FeS in a magnetic field
	14:15	14:30	

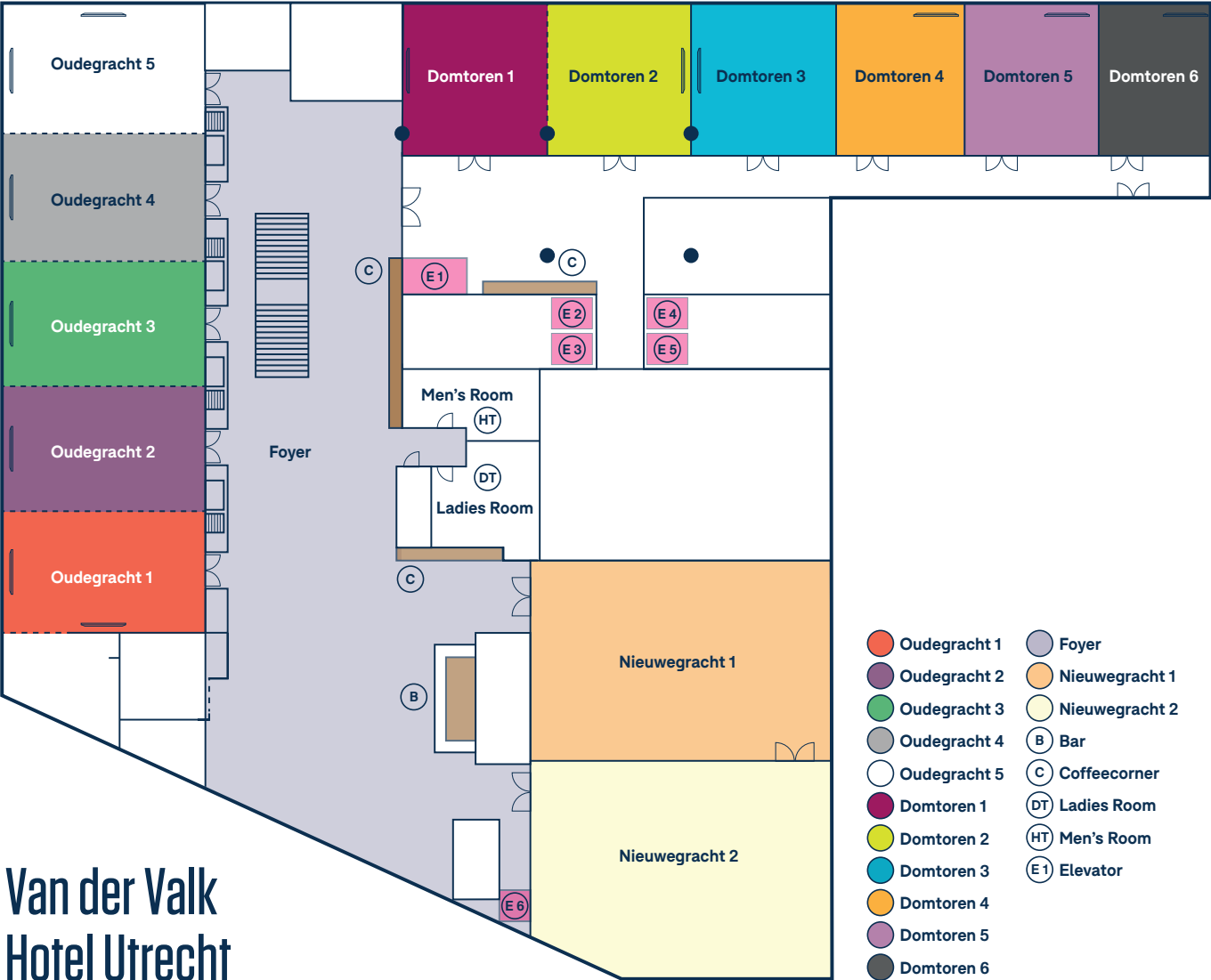
Friday 8 March 2024

Room: Domtoren 6	13:15	13:30	Kim de Wit, Utrecht University Holocene water level indicator database for the Dutch coastal plain	
Subsidence	13:30	13:45	Frances Dunn, Utrecht University Sustainable coastal river deltas through Sedimentation Enhancing Strategies	
Moderator: Esther Stouthamer	13:45	14:00	Philip Minderhoud, Wageningen University & Research Insights in coastal land subsidence and relative sea-level rise along West Africa's Gulf of Guinea coast	
	14:00	14:15	Sanneke van Asselen, Deltares Effects of subsurface water infiltration systems on land movement dynamics in Dutch peat meadows	
Coffee break, demos and exhibits		14:15	14:45	Foyer
Parallel Sessions 2.2				
Room: Oudegracht 1	14:45	15:00	Bayan Khojah, Utrecht University Exploring the factors influencing the biological activity in slow sand filters used for drinking water production	
Environmental Sciences 2	15:00	15:15	Ming kai Ma, Utrecht University Iron sludges for lake remediation: Characterizations, Reactivity and Explorations	
Moderator: Elly Morriën	15:15	15:30	Anniek Kortleve, Leiden University Over 80% of the EU's CAP supports emission-intensive animal-products	
	15:30	15:45	Xinpeng Jin, Leiden University A harmonized, high-resolution agricultural ammonia emission inventory for Europe	
Room: Oudegracht 2	14:45	15:00	Michele Magni, Utrecht University Global energy consumption for desalination and wastewater treatment	
Hydrological Sciences 2	15:00	15:15	Gabriel Cardenas Belleza, Utrecht University (Water) quality matters: Global modelling framework for analyses of sectoral water use responses under droughts and heatwaves	
Moderator: Niko Wanders	15:15	15:30	Edith Eder, University of Amsterdam Investigating the parameters influencing floc formation	
	15:30	15:45	Khoa van Le Thi, Wageningen University & Research Seasonal Dynamics of Floating Plastic Transport in Rivers	
Room: Oudegracht 3	14:45	15:00	Olga Zygodlowska, Utrecht University Eutrophication and deoxygenation drive high methane emissions from a brackish coastal system	
Biogeosciences 2	15:00	15:15	Thomas van Asselt, Utrecht University Manganese-driven anaerobic oxidation of methane in deep coastal marine sediments	
Moderator: Mathilde Hagens	15:15	15:30	Robin Klomp, Radboud University Nijmegen Potential pathways of anaerobic methane oxidation in brackish coastal sediments	
	15:30	15:45	Anna Wallenius, Radboud University Nijmegen Methane cycle out of balance: methanogens triumph over methanotrophs in anoxic marine lake sediments	
Room: Oudegracht 4	14:45	15:00	Yannick Bats, Utrecht University Early-Middle Eocene cooling and hydrological change in the southern Tethys	
Paleoclimate & Past Climate Change 2	15:00	15:15	Pepijn Bakker, VU Amsterdam Detectability of multi-decadal to millennial AMOC variations in the marine realm	
Moderator: Niels de Winter	15:15	15:30	Michiel Baatsen, Utrecht University A unique look into European middle Eocene weather, comparing model results to a new proxy record	
	15:30	15:45	Jingjing Guo, Utrecht University Obliquity forcing explains spatial offsets in the onset of deglacial warming in central China	
Room: Domtoren 3	14:45	15:00	Lisanne Braat, European Space Agency Gravity-Driven Differences in Fluvial Sediment Transport on Mars and Earth	
Comparative Planetology	15:00	15:15	Riva Alkahal, Delft University of Technology The opportunities of satellite gravity-rate observations for studying plume-lithosphere interactions on Mars	
Moderator: Bart Root	15:15	15:30	Fenna van den Bogaard, Delft University of Technology Lateral density variations in the Martian crust and mantle using gravity anomalies	
	15:30	15:45	Marc Rovira Navarro, Delft University of Technology Tidal tomography in the outer solar system	
Room: Domtoren 4	14:45	15:00	Zachary Rowland, Delft University of Technology Sensitivities of Marine Cloud Brightening Studied with a Lagrangian Cloud Model	
Atmospheric Sciences	15:00	15:15	Steven Knoop, KNMI High-resolution observations of boundary layer gravity waves at Ruisdael Observatory site Cabauw	
Moderator: Imme Benedict	15:15	15:30	Nick Schutgens, VU Amsterdam Identifying and correcting process biases in aerosol models using satellite observations	
	15:30	15:45	Pieter Rijsdijk, SRON Constructing superobservations from satellite NO2 for assimilation and model evaluation	
Room: Domtoren 5	14:45	15:00	Jichen Zhou, Wageningen University & Research Quantifying above-ground biomass, SOC and erosion with a detailed crop map and PESERA model in the Yangtze River basin	
Soil System Sciences	15:00	15:15	Yishi Hu, University of Amsterdam Effect of LULC and slope exposition on soil nutrients and recalcitrance of SOC of abandoned agricultural terraces	
Moderator: Boris Jansen	15:15	15:30	Cécile Alsbach, Utrecht University Alkalinisation of Acidic Dunes by Gulls - Disentangling the effects of a mixed gull colony on soil carbon and nutrient dynamics	
	15:30	15:45	Nan Zhang, University of Amsterdam Soil organic carbon stabilization during water erosion: interplay of aggregates, microbes and plants	
Room: Domtoren 6	14:45	15:00	Jan Dirk Jansen, Delft University of Technology An overview of semi-analytical methods to assess induced fault slip	
Seismology & Rock Physics 2	15:00	15:15	Mike Sep, Utrecht University Time-dependent compaction of clay-rich rocks bounding the Groningen gas field reservoir	
Moderator: Jelle Assink	15:15	15:30	Vincent van der Heiden, Utrecht University Analysis of the Wierdum Earthquake Sequence: Hindcasting through 3D Dynamic Rupture Modelling	
	15:30	15:45	Kees Weemstra, KNMI Moment tensor and rupture propagation analysis of Groningen's induced earthquakes	

Friday 8 March 2024

Coffee break	15:45	16:15	Foyer
Keynote lecture by Jan Willem Erisman, Leiden University The role of science in societal transitions	16:15	17:00	Oudegracht 1 - 4
Award ceremony KNGMG Escher- & Jelgersma Prizes and NAC poster prizes & photo competition	17:00	17:30	Oudegracht 1 - 4
Drinks	17:30	18:45	Foyer

Floorplan



Van der Valk
Hotel Utrecht

Exhibitors

- Lorentz Center
- eScience Center
- SURF
- Springer
- Boekhandel Bijleveld
- EPOS-eNLarge
- NWA/KIC/NGF

