

PROGRAMME SCHEDULE

Monday, 2 November 2026

Workshops, short courses and field trips

Tuesday, 3 November 2026

08:45 - 10:25	GET Opening Ceremony - Welcome words from Axel Wenke, Director of New Energy & Business Development at Neptune Energy, GET26 Strategic committee chair - Keynote presentation From Ambition to Action: What It Takes to Accelerate the Energy Transition by Andreas Löschel, Professor of Environmental and Resource Economics at Ruhr-University Bochum Strategic Panel discussion: From Concept to Capital: Making Energy Transition Projects Happen Technical progress alone doesn't secure investment. This panel examines the commercial and policy levers that determine whether clean technology projects are investable and which ones reach FID. Drawing on perspectives from the policymakers, financiers, and project developers that have made it happen, the session will give cross-sector insight to how technical assurance fits into the wider bankability picture, and what investors and governments are really looking for.
10:25 - 10:55	Coffee Break
10:55 - 12:55	Secure and Sustainable Supply of Critical Raw Materials Moderator: Andor Lips and Joeri Brackenhoff Speakers: Keynote: Strategic Pathways for Securing Europe's Lithium Supply Chain Oliver Heathman, Head of Metals Assets, Metals & Mining Research Wood Mackenzie Keynote: Commodity Market Dynamics Issues: Price and supply risks for critical commodities Antje Wittenberg, Geoscientist, Federal Institute for Geosciences and Natural Resources (BGR) Connecting the Dots – Integrated Supply Chain Thinking for CRM Stéphane Bourg, Director, French Observatory of Mineral Resources for Industrial Sectors (OFREMI) Assessing the Effects of the China–U.S. Trade Conflict on Rare Earth Element Supply Chains Melike Yildirim Ayyildiz, Researcher, Karlsruhe Institute of Technology
12:55 - 13:55	Lunch Break
13:55 - 15:35	Repurposing Oil & Gas Infrastructure for Critical Raw Materials Recovery from Brines and Geothermal Fluids (Part 1) This session explores emerging approaches for recovering critical raw materials from subsurface brines, geothermal fluids, and other saline industrial streams. Particular focus will be placed on the repurposing of idle oil & gas infrastructure — including wells, pipelines, offshore oil platforms, and surface facilities — to accelerate resource recovery projects while reducing capital intensity and environmental footprint. The session will examine how subsurface expertise, existing energy assets, geothermal systems, and innovative extraction and processing technologies can support scalable and sustainable critical mineral supply chains. In addition, dedicated attention will be given to integrated geothermal developments, including simultaneous recovery of geothermal energy and critical raw materials from the same fluid systems, highlighting opportunities for co-production, improved project economics, and low-carbon energy integration. Moderator: Luca Mattioni and Sonia Isabella Lopez Kovacs Speakers: Integrated Recovery of Critical Raw Materials from Subsurface Fluids: Insights from Geothermal and O&G Systems Sonia Isabella López Kovács, Reserves Audit Leader, Repsol A Just Transition in Practice: Repurposing Altmark's Gas Infrastructure and Legacy Data for Lithium Project Development Silvio Lehmann, Manager Upstream New Energy, Neptune Energy GmbH & Co. KG Geothermal Lithium in Alsace: Powering France's Energy Transition Romain Millot, Directeur Scientifique, PhD, Lithium de France The Permian Rotliegend Lithium Play System: An Analogue to the Andean Lithium Triangle Andrew Procter, Senior Geologist and Head of New Ventures, Atana Elements
15:35 - 16:20	Poster Session and Extended Coffee Break
16:20 - 18:00	Repurposing Oil & Gas Infrastructure for Critical Raw Materials Recovery from Brines and Geothermal Fluids (Part 2) Moderator: Luca Mattioni and Sonia Isabella Lopez Kovacs Speakers: The Lithium Brine Play: Key Parameters Defining a Potentially Profitable Enterprise Peter Mullin, VP Exploration, Sparrow Hills Partners Critical Raw Materials from Geothermal Fluids: Assessment of Origin, Extraction, Demonstration Magnus Johansson, Senior Geologist, Geological Survey of Sweden Gas to Lithium: Agentic AI for Historical Data Discovery in Lithium Reservoir Characterization Torsten Helbig, Lead Subsurface Data Engineering, Neptune Energy GmbH & Co. KG Modelling Applications for an Early-Stage Lithium Extraction Project in a Historic Gas Province Thomas Mozer, Neptune Energy GmbH & Co. KG From Oilfield Brines to Battery Supply Chains: Conditional Incumbent Advantage for National Oil Companies in Lithium Bader Alotaibi, Ucl
18:00 - 20:00	Icebreaker Reception (Exhibition floor)

CRITICAL RAW MATERIALS PROGRAMME SCHEDULE

Wednesday, 4 November 2026

08:45 - 10:05	Joint Dedicated Session Sharing the Subsurface: Co-location of Geothermal, CCS, Hydrogen Storage and Offshore Wind The energy transition is rapidly increasing demand for subsurface space. Geothermal heat and power (often with critical mineral extraction), CO2 storage, hydrogen and compressed-air storage, and offshore wind foundations are all competing for the same onshore and offshore domains — sometimes literally stacked above or beside one another. Co-location offers clear benefits: shared infrastructure, reduced surface footprint, and accelerated deployment. This dedicated session addresses potential synergies or conflicts including mechanical, thermal and hydraulic interference between neighbouring or overlapping projects; induced seismicity and pressure interaction; shared and discriminating monitoring strategies (geophysical, geodetic, geochemical); long-term integrity of wells and caprocks in multi-use settings; regulatory and liability frameworks across operators; and public acceptance where multiple developments concentrate in one region or community. Moderated by Heike Ruetters, BGR; Andreas Busch, Heriot-Watt University. Speakers: Andreas Beha, Neptune Energy; Vincent Vandeweyer, TNO; Frederik Glanois, BRGM; Melanie Mbah, Oeko-Institute	Panel Discussion: European and National Raw Materials Strategies - from design to implementation EU Member States and industry are advancing critical raw materials strategies aligned with the CRMA and initiatives like RESourceEU. Progress includes stronger supply chains, investment, and coordination. This session reviews impacts and challenges, and explores how to balance EU-wide ambition with national priorities to strengthen resilience and strategic autonomy. Moderator: Andor Lips, Geological Survey of the Netherlands TNO Speakers: Exploring for Europe's Future: Identifying Critical Raw Materials Potential in the Dutch Subsurface Pim van Geffen, Senior Scientist, Netherlands Materials Observatory The European Mining Industry as a Partner in the Successful Implementation of the CRMA Rolf Kuby, Director General, Euromines From National Strategy to European Resilience: a French Industry Perspective on Critical Raw Materials Bruno Jacquemin, Executive Officer, A3M – Alliance Minerais, Minéraux, Métaux Securing Europe's Critical Raw Materials: Why a Geological Service for Europe is essential now Bob Hoogendoorn, Project Coordinator, GSEU, Geological Service for Europe
10:05 - 10:35	Coffee Break	
10:35 - 11:35	Strategic Panel Discussion: Net Zero Industry Act: From Ambition to Deployment – Are Clean Technologies Scaling Fast Enough? The Net Zero Industry Act (NZIA) is moving from policy ambition to implementation, aiming to accelerate the deployment of strategic net-zero technologies across Europe. Despite differences between sectors such as CCS, hydrogen, geothermal, renewables and batteries, stakeholders face common challenges including permitting, financing, infrastructure, supply chains, cross-border coordination and public acceptance. This panel will explore whether Europe has the conditions needed to overcome these barriers and deliver industrial-scale deployment of net-zero technologies.	
11:35 - 12:55	Critical Raw Materials Projects in Europe: From Geoscience to Deployment This session addresses the end-to-end technical pathway of critical raw minerals in Europe, from geological setting, exploration concepts, and resource estimation to development strategies and deployment. Emphasis is placed on subsurface characterization, geomaterials, uncertainty management, and the integration of geoscience with engineering and regulatory frameworks to enable technically sound and sustainable projects. Moderator: Sonia Lopez and Rosa Aguilar Speakers: CRMs from Secondary Sources – Findings from the EU Projects START and FutuRaM Antje Wittenberg, Geoscientist, Federal Institute for Geosciences and Natural Resources (BGR) Altmark Lithium Extraction (ALE): Sourcing Lithium for Europe's Raw Material Sovereignty? Axel Wenke, Lead Research & Development New Energy, Neptune Energy Converting Resource to Reality: Ingredients of Successful CRM Projects in Europe Andor Lips, Strategic Advisor / Mineral Resources, Diplomat, TNO National Exploration Programmes under the EU Critical Raw Materials Act (CRMA) Henrike Sievers, Chair of the EuroGeoSurveys Mineral Resources Expert Group, Federal Institute for Geosciences and Natural Resources (BGR) How aggregate production operations can affect chip manufacturing Alexandros Savvaids Ph.D., Professor, Jackson School of Geoscience The University of Texas at Austin Winning in the New Metals Economy: What Makes a Critical Minerals Strategy Effective? Adele Rouleau, Senior Environmental Consultant, Geosyntec Consultants Ltd Geosyntec	
12:55 - 13:55	Lunch Break	
13:55 - 15:15	Satellite Remote Sensing and AI in the Quest for Critical Raw Materials Satellite remote sensing is revolutionizing the mining industry by providing scalable, high-resolution Earth observation data across the upstream value chain. Modern techniques increasingly combine multiple remote sensing modalities (Synthetic Aperture Radar, Airborne Geophysics, Topography, hyperspectral etc.) with proprietary AI to yield more reliable models. This session will showcase leading companies working on innovative applications of remote sensing and AI in the exploration and production of critical raw materials. Discover how integrating multi-spectral data with machine learning accelerates exploration, enhances resource characterization, and secures sustainable supply chains through advanced Earth Observation and intelligent data processing. Moderator: Andrii Sevriukov Speakers: From Raw Satellite Data to Actionable Intelligence: Leveraging Multi-Sensor InSAR and Machine Learning for Sustainable Mining Alessandro Ferretti, CEO, Tre Altamira Integrating Machine Learning and Geology-Dependent Multicriteria Analysis for Geothermal and Lithium Prospectivity Mapping Luca Mattioni, R&D Project Manager, IFPEN Integrating Satellite InSAR Time Series and Synthetic Data with Geophysical Data Fusion for 3D Inverse Modeling Andrii Sevriukov, CEO, Beholder	Minerals Processing Speakers: Understanding Leaching Behaviour of Rare Earth Elements from Complex Mineral Concentrate: Recovery, Selectivity, and Factorial Effects Asma Safia Disha, University of Calabria, Italy Integrated Roasting–Leaching Processing of Entire Nickel Ore: Unlocking Metal Accessibility in Silicate- and Sulfide-Hosted Matrices Hafiza Mamoon Khalid, PhD Fellow, University of Guelph Peroxodisulfate-Enhanced Leaching of Deep-Sea Manganese Crusts and Sulfides Bastian Hansel, Postdoctoral Researcher, TU Bergakademie Freiberg Mechanistic Insights into Controlled pH-Swing Leaching of Serpentine for Critical Metal Recovery from Silicate Matrices Hafiza Mamoon Khalid, PhD Fellow, University of Guelph
15:15 - 15:45	Coffee Break	

CRITICAL RAW MATERIALS PROGRAMME SCHEDULE

15:45 - 17:25	Environmental Stewardship in Mining Critical Raw Materials (CRMs) are an important part of the energy transition and vital for many green technologies. However, the exploration and extraction of CRMs can have significant impact on the environment. It is critical to keep this in mind when planning any type of activity related to CRMs. In this session, we will focus on how to safeguard the environment when CRMs are concerned. Presentations will cover topics such as the sustainable use of CRMs, minimizing the effect of extraction and the re-use of older tailings from previous mining expeditions. Moderator: Joeri Brackenhoff and Andrii Sevriukov Speakers: RECYCL'He: A Helium Recovery and Recycling Solution to Address Europe's Supply Sovereignty Crisis Thomas Guermont, Geosciences Project Manager, 45-8 Energy Environmental Governance and Water Sustainability in Artisanal and Small-Scale Gold Mining: Case of Zimbabwe Chipo Mugova UNIDO's Global Alliance for Responsible and Green Minerals Leon Riedel, Project Specialist, UNIDO	Seabed Minerals: Geoscience, Technology, Governance and Economic Reality Seabed minerals are attracting growing attention in the wider debate on critical raw materials and supply-chain resilience. They are often presented as a potential new source of metals relevant to electrification and low-carbon technologies, but their role in the energy transition remains uncertain and contested. Resource potential, technical readiness, environmental impacts, regulatory frameworks, social licence, and commercial viability are all still under active debate. This session offers an interdisciplinary assessment of seabed minerals as an emerging resource domain. It will bring together four perspectives: geoscience and exploration, extraction technology, governance and criticality, and economics. Rather than assuming either inevitability or impossibility, the session will examine what evidence currently supports — and does not support — regarding seabed minerals. It aims to clarify where the main uncertainties lie, what data and analysis are still missing, and how geoscience, engineering, policy, and economics can contribute to more informed decisions. Moderator: Anna Lim, Nick Arndt, Christian Mueller Speakers: Polymetallic manganese nodules, ferromanganese crusts and massive sulfides: the mineral wealth of the deep sea. Thomas Kuhn, Marine Geologist and Project Manager, Federal Institute for Geosciences and Natural Resources (BGR) Norwegian Seabed Minerals: Uncertainty, Potential and Choices Ebbe Hartz, Senior Advanced Geologist, AkerBP One Platform, Many Missions: Environmental Design and Economic Viability in Autonomous Seabed Systems Steve Curnutte, Executive Chairman, Impossible Metals, Inc. Economic Feasibility of Deep-Sea Mining: Accounting for Uncertainty in Investment Decisions Farida Mustafina, Assistant Professor, NTNU Vertical CSEM for Deep-Sea Sulphide Resource Appraisal Konstantin Golokteev, CEO, Marimet
19:00 - 24:00	Conference Evening (Erlebnis-Zoo Hannover, Adenauerallee 1, 30175 Hannover, Germany)	

CRITICAL RAW MATERIALS PROGRAMME SCHEDULE

Thursday, 5 November 2026

08:45 - 10:05	Mineral Exploration Techniques Speakers: Onshore Airborne Geophysics in Norway for Critical Raw Material Exploration: A High-Resolution Magnetic Compilation Example Aziz Nasuti, Geological Survey of Norway (NGU) MINOTAUR-GAN: A cGAN-SPADE Framework for Real-Time 3D Geological Modelling in Critical Raw Material Exploration Naveed Akram, Researcher, University of Lisbon Characterizing Point Scatterers from Scattering Amplitudes Joeri Brackenhoff, Postdoctoral Researcher, Delft University of Technology Integrated Geophysical Modelling of Seafloor Massive Sulphide Deposits: From Deep-Sea Surveys to 3D Subsurface Models Hendrik Müller, Senior Scientist, Federal Institute for Geosciences and Natural Resources (BGR)
10:05 - 10:35	Coffee Break
10:35 - 11:35	Strategic Panel discussion: Stakeholder Engagement as a Catalyst for the Energy Transition This session will explore the critical role of stakeholder engagement in enabling energy transition technologies, including offshore wind, geothermal, CCS, hydrogen and critical raw materials. Drawing on real-world case studies, it will highlight practical lessons, cross-sector learnings, and strategies to build trust, accelerate deployment, and foster inclusive decision-making.
11:35 - 12:55	Rethinking the Exploration Data Economy for Critical Minerals: From Proprietary Surveys to Shared Geo-Intelligence Critical raw materials are central to national interests, yet minerals exploration still relies heavily on proprietary, project-by-project surveys — duplicating effort, limiting regional context, and slowing target identification. Unlike oil and gas, where multiclient and pre-competitive data products have long enabled faster portfolio decisions, a comparable data economy for minerals remains underdeveloped. This session explores how shared geo-intelligence can be built and commercialized while respecting competitive boundaries. Presentations will cover practical collaboration models (geological surveys, public-private partnerships, consortia, multiclient approaches) and the technical foundations — metadata, QA/QC, interoperability — needed to make shared datasets decision-grade. Case studies will highlight where regional data sharing improved prospectivity screening and accelerated go/no-go decisions. The goal: move beyond abstract calls for data sharing toward implementable frameworks that convert data investment into faster, more responsible critical minerals discoveries.
12:55 - 13:55	Lunch Break
13:55 - 15:15	Education and Capacity Building for the Mining Industry - Skills for the Future Critical minerals sit at the centre of the energy transition, but the sector faces an acute skills challenge: future professionals must combine classical geoscience with data science, mineral systems thinking, processing, sustainability, circular economy, policy, finance, and responsible sourcing. This dedicated session will explore how universities, research centres, professional bodies, and industry can build the interdisciplinary capacity needed to discover, characterise, extract, process, recover, and govern critical raw materials responsibly. The session will focus on the skills of the future rather than on individual commodities alone. It will ask what training is needed across the full value chain, from mineral exploration and deposit characterisation through geometallurgy, environmental and social performance, digital methods, recycling, and supply-chain resilience. Speakers will share examples from leading European critical minerals training initiatives, including challenge-led centres, doctoral training, online and professional education, and whole-system approaches to raw materials. The final panel will identify practical opportunities for EAGE and GET to support capacity building, early-career development, and cross-sector education in critical minerals. Moderator: Amy Gough Speakers: Educating for Sustainable Critical Raw Materials: from resource exploration and mining legacies to tailings revalorisation – a collaborative educational approach Florina Tuluca, Doctor, University of Bucharest Modern Participation Processes in Mining Through School Science Projects Tobias Rudolph, Professor, Technische Hochschule Georg Agricola TBC Fevan Desta, Professor, TU Delft
15:15 - 15:45	Coffee Break
15:45 - 17:25	Unlocking Europe's Subsurface: Integrating Geothermal Energy and Critical Minerals Supply Europe's transition to climate neutrality and strategic autonomy requires secure access to both low-carbon energy and critical raw materials. This dedicated session explores an integrated subsurface approach in which geothermal systems are leveraged as dual-resource platforms, enabling the co-production of renewable energy and critical minerals such as lithium from deep brines. Moderators: Sonia Lopez and Rosa Aguilar Speakers: Deep Brines: From Saline Waters to Multi-Commodity Resource Rafael Villablanca / Valentin Goldberg, Geochemist, BWG Geochemische Beratung GmbH (Hannover) Domestic lithium supply in Germany: A comparative study of lithium extraction from geothermal brines and the Zinnwald project Eva Winkelhahn From Hydrocarbons to Critical Minerals and Geothermal Energy: Leveraging Transferable Subsurface Skills for the Energy Transition Sonia López Kovács, Reserves Audit Leader, Repsol

Friday, 6 November 2026

Workshops, short courses and field trips
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