

**AGENDA**

**06<sup>th</sup> & 07<sup>th</sup> June 2024  
Estrel Berlin**



**For a  
sustainable  
Future**

Supported by:



Federal Ministry  
for Economic Affairs  
and Climate Action

on the basis of a decision  
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<b>Overall management</b> Jens-Peter Lux	<b>Fees</b> 1 day: 604.80 €; 2 days: 793.80 € Further prices on: www.the-miningforum.com	<b>Room booking</b> SR: 158,00 €, DR: 170,00 € Further Information on: www.the-miningforum.com

**Room B: German with English translation, Room A, C & D: English**







## 06.06.2024, 09.00h (Room A-B)

**Welcome** Presenter: Sven Ulbrich, TÜV NORD AG

**Jens-Peter Lux, Management Board, DMT GROUP**

## Opening Remarks

**Wolfgang Niedermark, Executive Board, The Federation of German Industries (BDI)**

## Key Note

**Hildegard Bentele, Member of the European Parliament**

## 06.06.2024, 09.50h (Room A-B)

Pitch Session: Global Perspectives on Raw Materials - demands, advances, challenges

Presenter: Diana Sündermann, TÜV NORD AG

- Julia Braune, CEO, GTAI Germany Trade and Invest
- Dr. Dirk Stenkamp, CEO, TÜV NORD AG

- Dr. Babette Winter, Regional Director, South Harz Potash Ltd
- Dr. Andreas Klossek, COO, EIT RawMaterials

10.45h, Coffee Break & Networking (Foyer/Exhibiton)

## 06.06.2024, 11.30h (parallel Sessions & Panels)

**Room A Major & Challenging Projects** Presenter: Dr. Michael Paul, Wismut GmbH

- Dr. Thomas Lautsch, Bundesgesellschaft für Endlagerung
- Gerd Kübler, K+S Minerals and Agriculture GmbH
- Jonathan Vanherberghen, Rio Tinto
- Prof. Thomas Baumgartl, Federation University Australia

- BGE 2.0 - the prospects of BGE in its second five-year period of existence
- The Transformation project Werra 2060
- European raw materials policy
- Pathways and challenges to successful mine closure

**Room B Investments in Mining** Presenter: Dettel Gürtler, Germany Trade & Invest (GTAI)

- Dr. Sven-Uwe Schulz, Deutsche Rohstoffagentur (DERA) in der BGR
- Edda Wolf, Germany Trade & Invest (GTAI)
- Dr. Jan Klasen, KfW Bank
- Tetiana Dzhumurat, European Bank for Reconstruction & Development (EBRD)
- Stefan Müller, Deutsche Gesellschaft für Wertpapieranalyse (DGWA)

- Current price & supply risk on global raw material markets
- Exciting alternatives for raw materials: Argentina, Zimbabwe, Uzbekistan
- Financing of raw materials projects: The German government's raw materials fund
- Financing of raw materials projects: EBRD financing instruments

**Room C Panel Discussion Natural Resources** Presenter: Diana Sündermann, TÜV NORD AG

- Susanne Szech-Koundouros, Federal Ministry for Economic Affairs and Climate Action (BMWK)
- Anne Lauenroth, The Federation of German Industries (BDI)
- Prof. Dr. Elisabeth Clausen, RWTH Aachen University

**Ambassadors´ Meeting: Natural Resources for the German Industry - between Dependencies and Diversification**

**Room D Panel Discussion ESG and Responsible Mineral Supply Chain** Presenter: Daria Goncharova, DMT

- Ivor Kadragic, CDP
- Dr. Mary Mildred Stith, Pula Group
- Tanja Winter, Aurubis
- Galina Donnik, Sirius

- The Role of Climate Data in Ensuring Sustainable Investments
- ESG as a key principle of funds allocation
- ESG perspective of copper products manufacturer and end-customers
- Improving ESG data disclosure in metals and mining companies

13.00h, Lunch & Networking (Foyer/Exhibiton)

06.06.2024, 14.30h (parallel Sessions & Panels)

Room A Innovation in Shaft Construction	Presenter: Dr. Jürgen Franz, DMT
<ul style="list-style-type: none"> <li>• Dirk Fraas, TransnetBW</li> <li>• Thomas Jenßen, THYSSEN SCHACHTBAU</li> <li>• Dzianis Iholka, REDPATH DEILMANN GmbH</li> <li>• Michael Weinhold, Herrenknecht AG</li> </ul>	<ul style="list-style-type: none"> <li>• Through the ages: shaft construction for the energy turnaround</li> <li>• BIM implementation in shaft construction using the example of the Heilbronn shafts</li> <li>• Accelerating return of investment: Revolutionizing Potash and Polyhalite Mines Development Through Rapid Shaft Sinking Technologies</li> <li>• Shaft excavation and lining with the Boxhole Backreaming Technology in complex geological conditions</li> </ul>

Room B AI in automation technology	Presenter: Prof. Dr. Günther Apel, TSU e.V.
<ul style="list-style-type: none"> <li>• Michael Kieviert, LAPWING GmbH</li> <li>• Dr. Gereon Weiß, Fraunhofer-Institut</li> <li>• Julius Kahmann, Baxtair Arcure S.A</li> <li>• Maximilian Rolf, sensmore</li> </ul>	<ul style="list-style-type: none"> <li>• AI in industrial automation - potentials, risks, safety</li> <li>• Safety assurance and resilience of cognitive systems</li> <li>• When AI saves live</li> <li>• Automating heavy vehicles in mining with AI using 4D imaging radar</li> </ul>

Room C Panel Discussion Sustainability	Presenter: Knut Hirsch, DMT
<ul style="list-style-type: none"> <li>• Dr. Michael Seeger, MX Mining Capital Advisors GmbH</li> <li>• Luisa Daxeder, DMT</li> <li>• Albrecht von Kempis, VonKempisResources GmbH</li> <li>• Dr. Frank Leschhorn, Munich Mining International</li> </ul>	<ul style="list-style-type: none"> <li>• Sustainable Mining Projects – Business Case and Financing</li> <li>• TÜV NORD – CERA 4in1 Sustainability Certification System</li> <li>• Establishing Sustainable Magnesium Production in Europe</li> <li>• Environmental Issues of Nickel Production</li> </ul>

Room D Panel Discussion Contextualising Digital Transformation in Mining	Presenter: Michalis Katapotis, DMT
<ul style="list-style-type: none"> <li>• Caitlin Corrigan, Institute for Ethics in Artificial Intelligence (IEAI) Technical University of Munich</li> <li>• Julia Haske, Technische Hochschule Georg Agricola</li> <li>• Georg Meißner, TU Bergakademie Freiberg</li> <li>• Anja Straumann, GIZ</li> </ul>	<ul style="list-style-type: none"> <li>• Ethical Considerations for the Use of AI in the Mining Industry</li> <li>• Mining education in digital times: Hurdles and opportunities from different perspectives</li> <li>• One Step Ahead in Advancing Digital Education</li> <li>• The potential of digitalization for powering resilience in mining communities : employment, local content and shared digital infrastructure</li> </ul>

15.45h, Coffee Break & Networking (Foyer/Exhibiton)





**06.06.2024, 16.15h (parallel Sessions & Panels)**

<b>Room A</b> Post-Mining issues & challenges	Presenter: Ralf Bufler, CDM Smith SE
<ul style="list-style-type: none"> <li>• Dr. Khanindra Pathak, Indian Institute of Technology Kharagpur</li> <li>• Marcin Pawlik, Technische Hochschule Georg Agricola</li> <li>• Frederic Poulard, Ineris</li> </ul>	<ul style="list-style-type: none"> <li>• Surface and Ground water management plan for a hilltop manganese mines: integrated socially responsible mining</li> <li>• The use of remote sensing data for Geomonitoring of post-mining processes</li> <li>• Prevention of local sinkhole hazards in a post-mining context - French approach</li> </ul>

<b>Room B</b> Future Mining	Presenter: Prof. Dr. Helmut Mischo, Bergakademie Freiberg
<ul style="list-style-type: none"> <li>• Max Friedemann, TU Bergakademie Freiberg</li> <li>• Mariaelena Murphy, Montanuniversität Leoben</li> <li>• Tobias Kornblum, Bundesgesellschaft für Endlagerung</li> </ul>	<ul style="list-style-type: none"> <li>• Process Optimization of an Underground In-Situ Bioleaching Test Laboratory for Low-Sulfidic Ores</li> <li>• Balancing Responsible Extraction of Resources and Related Social Impacts</li> <li>• Challenges of vertical string shaft Konrad 2</li> </ul>

<b>Room C</b> (Post) Mining Projects	Presenter: Toni Schmidt, TS BAU GmbH
<ul style="list-style-type: none"> <li>• Matthias Bock, Plejades</li> <li>• Thomas Schicht, K-UTEC AG Salt Technologies</li> <li>• Tobias Steinert, BsS Bergsicherung Sachsen GmbH</li> </ul>	<ul style="list-style-type: none"> <li>• Post-use options for mining</li> <li>• In-situ method for the non-invasive determination of the pore fraction in dumps at risk of subsidence flow</li> <li>• Schneeberg weather project - radon reduction in the urban area</li> </ul>

<b>Room D</b> Panel Discussion Green Steel technology	Presenter: Andreas Hees, DMT
<ul style="list-style-type: none"> <li>• Andreas Hees, DMT</li> <li>• Andreas Koller, Gerald Arbogast, SPC Steel Partner Consulting GmbH</li> <li>• Philipp Wagner, Wagner Consulting Service</li> <li>• Tsanislav Kolev, NLMK Europe</li> <li>• Erik van Doezum, ING</li> </ul>	<ul style="list-style-type: none"> <li>• Processing and Pelletizing</li> <li>• Future of Ironmaking Technologies</li> <li>• Green Energy</li> <li>• Decarbonisation in Steel Making Process</li> </ul>

17.30h, End of the 1st conference day

19.00h, Miner's evening (Room A-B)  
Musical accompaniment with the "MEDLZ"

Welcome: Michael Kellner, Parliamentary State Secretary, Federal Ministry for Economic Affairs and Climate Action / Jens-Peter Lux, DMT GROUP / Michael Weberink, bsn e.V.







07.06.2024, 9.00h (parallel Sessions & Panels)

<p><b>Room A Sustainability</b></p> <ul style="list-style-type: none"> <li>• Marietta Sander, Hannah Rotthoff, EE Energy Engineers GmbH</li> <li>• Bob Tri Winarno, Ministry of Energy and Mineral Resources</li> <li>• Dr. Herwig Marbler, Deutsche Rohstoffagentur (DERA) in der BGR</li> <li>• Sanjey Bhoowanpursadh, DMT Kai Batla</li> </ul>	<p>Presenter: Dr. Martin Wedig, FAB e.V.</p> <ul style="list-style-type: none"> <li>• Sustainable securing of raw materials for the energy transition</li> <li>• An initial assessment to define and classify critical minerals in Indonesia</li> <li>• High-Tech-Metals as by-products in primary deposits in South America</li> <li>• Confronting the Financing Challenges in the African Critical Minerals Revolution</li> </ul>
<p><b>Room B Challenges of digitalisation in mining</b></p> <ul style="list-style-type: none"> <li>• Sebastian Westphal, Bundesgesellschaft für Endlagerung mbH</li> <li>• Stefan Ebert, NN</li> <li>• Sandra Nowosad, TU Clausthal</li> <li>• Dr. Claus Bachmann, J&amp;C Bachmann</li> </ul>	<p>Presenter: Michael Weberink, bsn e.V.</p> <ul style="list-style-type: none"> <li>• Collaboration the construction of the radioactive waste disposal to a new level</li> <li>• Digitalization of Mining Operations – A Roadmap to Data-Driven Decisions</li> <li>• Global mining overview, mining methods and technology for autonomous mines</li> <li>• Efficient geological modeling using IBERIA and ANCORELOG</li> </ul>
<p><b>Room C International Mining Projects</b></p> <ul style="list-style-type: none"> <li>• Prof. Archil Magalashvili, Ilia University</li> <li>• Gvanca Delibashvili, Georgian Coal LTD</li> </ul>	<p>Presenter: Florian Beier, DMT</p> <ul style="list-style-type: none"> <li>• Georgian mining sector - potential, challenges &amp; changes</li> <li>• Shaft construction project Georgia</li> </ul>
<p><b>Room D Panel Discussion Industry Standards</b></p> <ul style="list-style-type: none"> <li>• Maria Nyberg, European Commission DG GROW</li> <li>• Dr. Michael Haschke, DMT</li> <li>• Dario Liguti, UNECE</li> <li>• Căcilie Legalic OECD</li> <li>• Prof. Dr. Peter Goerke-Mallet, Technische Hochschule Georg Agricola</li> <li>• Julia Listringhaus, DIN Deutsches Institut für Normung e. V.</li> </ul>	<p>Presenter: Dr. Michael Haschke, DMT</p> <ul style="list-style-type: none"> <li>• Critical Raw Materials Act – sustainability provisions</li> <li>• Sustainable Raw Materials</li> <li>• Harmonizing global efforts: UNFC and UNRMS in sustainable raw materials</li> <li>• Due diligence expectations as per the OECD Minerals Guidance: alignment practice</li> </ul>

10.30 h, Coffee Break & Networking (Foyer/Exhibition)





07.06.2024, 11.00h (parallel Sessions & Panels)

Room A Mining Projects	Presenter: Ulrich Wessel, DMT Gesellschaft für Bildung mbH
<ul style="list-style-type: none"> <li>• Ulf Barnekow, Wismut GmbH</li> <li>• Dr. Lingampally Sai Vinay, MINISTRY OF COAL</li> <li>• Dr. Chukwuemeka Onaa, VDMA</li> <li>• Dr. Amir Kianfar, Institute for Advanced Mining Technologies der RWTH Aachen</li> </ul>	<ul style="list-style-type: none"> <li>• Completion of the Helmsdorf Tailings Remediation Project (Zwickau/Saxony)</li> <li>• Mine Closure: Repurposing of closed and abandoned mines and diversification of local economy</li> <li>• Role of Organized Private-sector Groups in Shaping Future Mining - the VDMA example.</li> <li>• Advancements in Mine Communication Systems: the Efficacy and Applications of 5G and LoRa Technologies in Modern Mining Operations</li> </ul>

Room B Exploration	Presenter: Olaf Alisch, Verband Bergbau, Geologie und Umwelt e.V.
<ul style="list-style-type: none"> <li>• Rüdiger Giese, Helmholtz-Zentrum Potsdam Deutsches GeoForschungsZentrum GFZ</li> <li>• Sebastian Lüning, K-UTEC AG Salt Technologies</li> <li>• Andreas Knobloch, Beak Consultants GmbH</li> <li>• Egbert Jolie, fluxtec UG</li> </ul>	<ul style="list-style-type: none"> <li>• The application of underground seismic methods for the characterization of clay rocks</li> <li>• A new geophysical method to better image the steep flanks of salt diapirs</li> <li>• EIS: Exploration Information System – Linking of mineral systems and mineral prospectivity mapping</li> <li>• High-resolution gas emission mapping for exploration and monitoring of georesources</li> </ul>

Room C Hackathon	Presenter: Dr. Karsten Zimmermann, DMT
<ul style="list-style-type: none"> <li>• Dr. Karsten Zimmermann, DMT</li> <li>• Prof. Elisabeth Clausen, RWTH Aachen</li> <li>• Stephan Oehme, VDMA</li> <li>• Winner-Team</li> </ul>	Winners Award - Hack Mining 2024 - Germany's original raw materials techathon

Room D Panel Discussion Geothermal Energy	Presenter: Prof. Dr. Bodo Lehmann, DMT
<ul style="list-style-type: none"> <li>• Gregor Dilger, Bundesverband Geothermie</li> <li>• Ingo Forstner, Bundesverband Erdgas, Erdöl und Geoenergie e.V.</li> <li>• Dr. Johannes Birner, Senatsverwaltung für Mobilität, Verkehr, Klimaschutz und Umwelt Berlin</li> <li>• Daniel Acksel, Geosysteme/Prof. Dr. Ingo Sass, Deutsches GeoforschungsZentrum</li> <li>• Andre Zucker, Anger's Söhne</li> </ul>	<ul style="list-style-type: none"> <li>• How can deep geothermal energy support the heating transition in Germany?</li> <li>• Doing the right things right: tools for a smooth rollout of deep geothermal</li> <li>• Exploration measures in Berlin for deep geothermal energy</li> <li>• Heat transition in Berlin/Brandenburg with deep geothermal energy</li> <li>• Innovative exploration for raw materials and geothermal exploration in urban areas</li> </ul>

12.30 h, Lunch & Networking (Foyer/Exhibition)

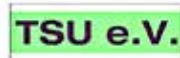




07.06.2024, 14.00h (parallel Sessions & Panels)

<b>Room A</b>	<b>Ground Control</b>	<b>Presenter: Dr. Ralf Fritschen, DMT</b>
<ul style="list-style-type: none"> <li>• Prof. Dr. Jörg Benndorf, Technische Universität Bergakademie Freiberg</li> <li>• Maria-Barbara Schaller, GGB mbH</li> <li>• Jan Anderssohn, Tre Altamira</li> </ul>		<ul style="list-style-type: none"> <li>• Prediction and Monitoring Methods of Ground Movements above Underground Gas Storage in the Context of Environmental Impact Management</li> <li>• Long-term monitoring of backfilled salt mines - new wireless rock pressure measuring system</li> <li>• Mining related ground and structural movement measurements from space</li> </ul>
<b>Room B</b>	<b>Mining Projects</b>	<b>Presenter: Dr. Sebastian Westermann, Technische Hochschule Georg Agricola</b>
<ul style="list-style-type: none"> <li>• Silvio Engelmann, Dr. Dominic Demand, CDM Smith SE</li> <li>• Michael Cofalik, THYSSEN SCHACHTBAU</li> <li>• Maximilian Beyer, Sympatec GmbH</li> </ul>		<ul style="list-style-type: none"> <li>• Analyzing heavy rainfall hazard of a mining heap: stability, surface runoff and erosion</li> <li>• Conversion of the Concordia dewatering system into a backup site during ongoing pumping operations</li> <li>• Optimisation of milling process by real-time particle size analysis</li> </ul>
15.30 h, End of the conference		

Exhibitors:



and more

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