

AGENDA

06th & 07th June 2024
Estrel Berlin



**For a
sustainable
Future**

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Federal Ministry
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Overall management Jens-Peter Lux	Fees 1 day: 604.80 €; 2 days: 793.80 € Further prices on: www.the-miningforum.com	Room booking 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, Managing 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"> • Dirk Fraas, TransnetBW • Thomas Jenßen, THYSSEN SCHACHTBAU • Dzianis Iholka, REDPATH DEILMANN GmbH • Michael Weinhold, Herrenknecht AG 	<ul style="list-style-type: none"> • Through the ages: shaft construction for the energy turnaround • BIM implementation in shaft construction using the example of the Heilbronn shafts • Accelerating return of investment: Revolutionizing Potash and Polyhalite Mines Development Through Rapid Shaft Sinking Technologies • Shaft excavation and lining with the Boxhole Backreaming Technology in complex geological conditions

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

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

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

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





06.06.2024, 16.15h (parallel Sessions & Panels)

Room A Post-Mining issues & challenges	Presenter: Ralf Bufler, CDM Smith SE
<ul style="list-style-type: none"> • Dr. Khanindra Pathak, Indian Institute of Technology Kharagpur • Dr. Aukje van Loon, Technische Hochschule Georg Agricola • Frederic Poulard, Ineris 	<ul style="list-style-type: none"> • Surface and Ground water management plan for a hilltop manganese mines: integrated socially responsible mining • Social Participation and Acceptance in Post-Mining Transition Processes • Prevention of local sinkhole hazards in a post-mining context - French approach

Room B Future Mining	Presenter: Prof. Dr. Helmut Mischo, Bergakademie Freiberg
<ul style="list-style-type: none"> • Blas Urioste, KSL Kupferschiefer Lausitz GmbH • Mariaelena Murphy, Montanuniversität Leoben • Tobias Kornblum, Bundesgesellschaft für Endlagerung 	<ul style="list-style-type: none"> • Modernising the KSL Project • Balancing Responsible Extraction of Resources and Related Social Impacts • Challenges of vertical string shaft Konrad 2

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

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

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)

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

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





07.06.2024, 11.00h (parallel Sessions & Panels)

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

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

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

12.30 h, Lunch & Networking (Foyer/Exhibition)





07.06.2024, 14.00h (parallel Sessions & Panels)

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

Exhibitors:



and more

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