

Raw Materials & Environment 2019

Environmental Issues of Mineral and Metal Supply in a Broader Sustainability Context

19 - 20 February 2019,

Umweltforum, Pufendorfstraße 11, 10249 Berlin, Germany

Moderation: Dr. Camilla Bausch, Director, Ecologic Institute, Berlin

Agenda Day 1, 19 February 2019

11:00 – 12:00	Registration Light snacks and beverages
	Opening session: Keynotes and Panel Discussion <u>Keynote address:</u> Addressing the Environmental Impact of Germany's Raw Material Footprint. Maria Krautzberger, <i>President of the German Environment Agency</i> <u>Keynote address:</u> Creating the way towards sustainable raw materials for economy and well-being – are we on track? Almuth Ostermeyer-Schlöder in representation of Svenja Schulze, <i>German Federal Minister for the Environment, Nature Conservation and Nuclear Safety</i> <u>Keynote speech:</u> From Mitigation to Contribution: Are we seeing only the trees and not the forest? Dr. R. Anthony Hodge, <i>Senior Scholar, Queen's University of Kingston, Canada</i> (former President International Council on Mining & Metals (ICMM) (2007 – 2015) and Friends of the Earth Canada (1989 – 1992))
12:00 – 14:00	Panel discussion Anne Miehe in representation of Svenja Schulze, <i>German Federal Minister for the Environment, Nature Conservation and Nuclear Safety</i> Dr. Elias T. Ayuk, <i>Member UNEP International Resource Panel; Former Director, United Nations University Institute for Natural Resources in Africa (UNU-INRA)</i> Mark Rachovides, <i>President Euromines (ICMM Member Association)</i> Manuel Pulgar Vidal, <i>Global Climate and Energy Practice Lead, World Wide Fund For Nature (WWF) International</i> (former Minister of State for Environment Peru (2011 – 2016)) Dr. R. Anthony Hodge, <i>Senior Scholar, Queen's University of Kingston</i> (former President ICMM (2007 – 2015) and Friends of the Earth Canada (1989 – 1992))

14:00 – 14:30	Coffee break
14:30 – 16:15	Plenary session 1: Mining and the Environment 1) Mining in the Philippines: Issues, Challenges and Initiatives. Grizelda Mayo-Anda, Executive Director, Environmental Legal Assistance Center, Inc. (ELAC), Philippines 2) Mine Tailing Storage: Safety is no Accident. Kristina Thygesen, Programme Leader, Ocean Governance and Geological Resources, GRID-Arendal – Collaborating Centre with UN Environment, Norway 3) IRMA – The Answer to Global Demand for more Socially and Environmentally Responsible Mining. Aimee Boulanger, Coordinator, Initiative for Responsible Mining Assurance (IRMA), USA 4) OekoRess – Environmental Criticality of Raw Materials. Regine Vogt, Senior Expert, ifeu; Dr. Michael Priester, Projekt-Consult; Günter Dehoust, Öko-Institute, Germany
16:15 – 16:45	Coffee break
16:45	Launch of the International Resource Panel's Report: Mineral Resources Governance in the 21st Century – Gearing Extractive Industries towards Sustainable Development. Dr. Elias T. Ayuk, Member UNEP International Resource Panel; Former Director, United Nations University Institute for Natural Resources in Africa (UNU-INRA)
17:15	Plenary session 2: Options for International and EU Governance of Mining and Raw Material Supply Chains 1) International Governance Options for Environmentally Sound Mineral Extraction - Laws, Standards and Cooperation. Dr. Ralph Bodle, Senior Fellow, Ecologic Institute, Germany 2) Options for EU-Raw Materials Policy to Strengthen Global Responsible Mining and Sourcing. Dr. Doris Schüler, Senior Expert Resources & Transport Division, Öko-Institut, Germany 3) A Methodology to Improve the Safety of Tailings Management Facilities Dr. Dmytro Rudakov, Chair and Professor of Department of Hydrogeology and Engineering Geology, Dnipro University of Technology, Ukraine
18:30 – 21:00	Evening buffet reception – by invitation of the Federal Ministry for Environment, Nature Conservation and Nuclear Safety

Agenda Day 2, 20 February 2019

Time	Topic
8:30	Arrival coffee
9:00	Welcome and Recalling Day 1 Moderator
9:10 – 10:50	Plenary session 3: Responsibility in Global Supply Chains 1) Mapping Sustainability Standard Systems for Mining and Mineral Supply Chains. Dr. Gudrun Franken, Head of the Mining and Sustainability unit, Federal Institute for Geosciences and Natural Resources (BGR), Germany 2) Voluntary Initiatives & Public Policy in the Extractive Economy. Laura Turley, Associate, International Institute for Sustainable Development (IISD), Canada <i>Special impulse talk: Maíra Sertã Mansur, International Network of People affected by Vale, Brazil</i> 3) Sustainable Supply Chain Management at the BMW Group. Claudia Becker, Specialist supply chain due diligence cobalt & copper, BMW Group, Germany 4) The role of voluntary initiatives in Artisanal and Small Scale Mining: The case of CRAFT (Code of Risk mitigation for Artisanal and small scale miners engaging in Formal Trade). Dr. Maria Laura Barreto, Director, Material Efficiency Research Group (MERG), Canada and Alliance for Responsible Mining (ARM)
10:50 – 11:20	Coffee break
11:20 – 12:40	Plenary Session 4: Mining and Climate Change 1) Climate Change Impacts on Mining and Raw Material Supply. Lukas Rüttinger, Senior Project Manager, adelphi, Germany 2) The Energy and Carbon Intensity of Mining: Understanding the Growing Importance of Renewable Energy. Dr. Gavin Mudd, Associate Professor, Royal Melbourne Institute of Technology (RMIT) University, Australia 3) Integrating Renewables in the Mining Sector. Nicolas Maennling, Senior Economics and Policy Researcher, Columbia Centre for Sustainable Investment, USA
12:40	Introducing the topics for the afternoon breakout sessions and the poster walk during lunch

Moderator

12:45 – 13:45

Lunch break

Including **Poster Walk**:

- Pilot Screening of Environmental Hazard Potentials: First results for 20 Large Mine Sites for Copper, Bauxite and Iron. **Dr. Aissa Rechlin**, Consultant, Projekt-Consult/ **Claudia Kämper**, ifeu/ **Peter Dolega**, Researcher Resources & Transport, Öko-Institute, Germany (5 Posters)
- Mine Rehabilitation in Mongolia - Strengthening environmental protection requirements for the rehabilitation of areas devastated by coal-mining in Mongolia. **Jörg Frauenstein**, German Environment Agency
- Responsible Mining Index - Encouraging continuous improvement in responsible mining. **Anja Straumann**, Researcher and **Sarah Sobczak**, Chief Operating Officer, Responsible Mining Foundation, Switzerland

Four parallel break-out sessions shall serve to deepen the plenary discussions, to interlace the topics and give room for debate.

Session 1: Mining and the Environment (Plenary Hall)

What possibilities do you see for European manufacturing industries to play a proactive role in a more responsible mining of mineral resources?

How can the presented OekoRess-approach or other approaches support company and government attempts to green raw material supply chains?

Moderator: **Jan Kosmol**, Research and Policy Officer, German Environment Agency

Short inputs: **Oscar Campanini**, CEDIB; **Aimee Boulanger**, IRMA; **Raphael Deberdt**, RCS Global; **Regine Vogt**, ifeu/OekoRess

13:45 – 15:00

Session 2: Options for International and EU Governance (Room Seminar 10)

What are the arguments for and against seeking international obligations on states in a treaty on mineral extraction?

How effective are national laws whose intended effects are across the national border, e.g. by imposing due diligence obligations on importers of raw materials?

Moderators: **Andreas Hermann**, Senior Researcher Environmental Law & Governance, Öko-Institute; **Heidi Stockhaus**, Fellow, Ecologic Institute; **Oliver Weber**, research officer, German Environment Agency

Short input: **Dr. Ralph Bodle**, Senior Fellow, Ecologic Institute

Session 3: Responsibility in Global Supply Chains (Room Seminar 9)

Is there a need for cross-recognition or harmonization of standards or an overarching environmental supply-chain-due-diligence framework?

Which mechanisms can support a fair sharing of costs for responsible mining along global supply chains?

Moderators: **Christoph Töpfer**, Scientific Officer, German Environment Agency; **Dr. Leopold von Carlowitz**, Senior Adviser, GIZ

Short inputs: **Johanna Sydow**, Policy Advisor – Resource Policy and IT Sector, Germanwatch; **Claudia Bierth**, European Sustainability Manager, Ball Corp.

Session 4: Mining and Climate Change (Room Seminar 1/2)

The need for climate change adaptation in the mining sector: What are policy entry points at the national and international level to address the sector's vulnerability to climate change? What are approaches at company level?

Moderators: **Lukas Rüttinger**, Senior Project Manager and **Pia van Ackern**, Research Analyst, adelphi

Short inputs: **Dr. Michael Priester**, Projekt-Consult; **Magnus Benzie**, SEI; **Dr. Antje Wittenberg**, BGR; **Lukas Rüttinger**, adelphi

15:00 – 15:30

Coffee break

Key messages from parallel break-out sessions:

Rapporteur Session 1: **Oscar Campanini**,
Director, Centro de Documentación e Información Bolivia (CEDIB)

Rapporteur Session 2: **Dr. Christian Hagelüken**,
Director Government Affairs, Umicore AG & Co KG

Rapporteur Session 3: **Tyler Gillard**, Head of Sector Projects and Legal
Adviser in the Responsible Business Conduct Unit, OECD

Rapporteur Session 4: **Dr. Massimo Gasparon**, Innovation Director,
European Institute of Innovation and Technology (EIT) Raw Materials

15:30 – 15:50

15:50 – 17:00	Plenary session 5: Closing Panel Adding perspectives on future needs and reflecting on the conference topics Jan Kosmol, <i>Research and Policy Officer, German Environment Agency</i> Tyler Gillard, <i>Head of Sector Projects and Legal Adviser in the Responsible Business Conduct Unit, OECD</i> Dr. Massimo Gasparon, <i>Innovation Director, EIT Raw Materials</i> Oscar Campanini, <i>Director, Centro de Documentación e Información Bolivia</i> Dr. Paul Jourdan, <i>African integrated development expert</i> Dr. Christian Hagelüken, <i>Director Government Affairs, Umicore AG & Co KG</i>
17:00	Closing Dr. Bettina Rechenberg, <i>Director General Sustainable Production and Products, Waste management, German Environment Agency</i>
17:15	End of conference