

# 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	<b>Registration</b> Light snacks and beverages
	<b>Opening session: Keynotes and Panel Discussion</b>  <u>Keynote address:</u> Addressing the Environmental Impact of Germany's Raw Material Footprint. <b>Maria Krautzberger</b> , <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? <b>Svenja Schulze</b> , <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? <b>Dr. R. Anthony Hodge</b> , <i>Senior Scholar, Queen's University of Kingston, Canada</i> <i>(former President International Council on Mining &amp; Metals (ICMM) (2007 – 2015) and Friends of the Earth Canada (1989 – 1992))</i>
12:00 – 14:00	Panel discussion  <b>Svenja Schulze</b> , <i>German Federal Minister for the Environment, Nature Conservation and Nuclear Safety</i>  <b>Dr. Elias T. Ayuk</b> , <i>Member UNEP International Resource Panel; Former Director, United Nations University Institute for Natural Resources in Africa (UNU-INRA)</i>  <b>Mark Rachovides</b> , <i>President Euromines (ICMM Member Association)</i>  <b>Manuel Pulgar Vidal</b> , <i>Global Climate and Energy Practice Lead, World Wide Fund For Nature (WWF) International</i> <i>(former Minister of State for Environment Peru (2011 – 2016))</i>  <b>Dr. R. Anthony Hodge</b> , <i>Senior Scholar, Queen's University of Kingston</i> <i>(former President ICMM (2007 – 2015) and Friends of the Earth Canada (1989 – 1992))</i>

14:00 – 14:30	Coffee break
14:30 – 16:15	<p><b>Plenary session 1: Mining and the Environment</b></p> <ol style="list-style-type: none"> <li>1) Mining in the Philippines: Issues, Challenges and Initiatives. <b>Grizelda Mayo-Anda</b>, Executive Director, Environmental Legal Assistance Center, Inc. (ELAC), Philippines</li> <li>2) Mine Tailing Storage: Safety is no Accident. <b>Kristina Thygesen</b>, Programme Leader, Ocean Governance and Geological Resources, GRID-Arendal – Collaborating Centre with UN Environment, Norway</li> <li>3) IRMA – The Answer to Global Demand for more Socially and Environmentally Responsible Mining. <b>Aimee Boulanger</b>, Coordinator, Initiative for Responsible Mining Assurance (IRMA), USA</li> <li>4) OekoRess – Environmental Criticality of Raw Materials. <b>Andreas Manhart</b>, Senior Researcher Sustainable Products &amp; Material Flows, Öko-Institute; Regine Vogt, ifeu; Dr. Michael Priester, Projekt-Consult; Günter Dehoust, Öko-Institute, Germany</li> </ol>
16:15 – 16:45	Coffee break
16:45	<p><b>Launch of the International Resource Panel's Report:</b> Mineral Resources Governance in the 21st Century – Gearing Extractive Industries towards Sustainable Development. <b>Dr. Elias T. Ayuk</b>, Member UNEP International Resource Panel; Former Director, United Nations University Institute for Natural Resources in Africa (UNU-INRA)</p>
17:15	<p><b>Plenary session 2: Options for International and EU Governance of Mining and Raw Material Supply Chains</b></p> <ol style="list-style-type: none"> <li>1) International Governance Options for Environmentally Sound Mineral Extraction - Laws, Standards and Cooperation. <b>Dr. Ralph Bodle</b>, Senior Fellow, Ecologic Institute, Germany</li> <li>2) Options for EU-Raw Materials Policy to Strengthen Global Responsible Mining and Sourcing. <b>Dr. Doris Schüler</b>, Senior expert Resources &amp; Transport Division, Öko-Institut, Germany</li> <li>3) A Methodology to Improve the Safety of Tailings Management Facilities <b>Dr. Dmytro Rudakov</b>, Chair and Professor of Department of Hydrogeology and Engineering Geology, Dnipro University of Technology, Ukraine</li> </ol>
18:30 – 21:00	Evening buffet reception

## Agenda Day 2, 20 February 2019

Time	Topic
8:30	Arrival coffee
9:00	<b>Welcome and Recalling Day 1</b> <b>Moderator</b>
9:10 – 10:50	<b>Plenary session 3: Responsibility in Global Supply Chains</b> <ol style="list-style-type: none"> <li>1) Mapping Sustainability Standard Systems for Mining and Mineral Supply Chains.  <b>Dr. Gudrun Franken</b>, Head of the Mining and Sustainability unit, Federal Institute for Geosciences and Natural Resources (BGR), Germany</li> <li>2) Voluntary Initiatives &amp; Public Policy in the Extractive Economy.  <b>Laura Turley</b>, Associate, International Institute for Sustainable Development (IISD), Canada</li> <li>3) Sustainable Supply Chain Management at the BMW Group.  <b>Claudia Becker</b>, Specialist supply chain due diligence cobalt &amp; copper, BMW Group, Germany</li> <li>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).  <b>Dr. Maria Laura Barreto</b>, Director, Material Efficiency Research Group (MERG), Canada and Alliance for Responsible Mining (ARM)</li> </ol>
10:50 – 11:20	Coffee break
11:20 – 12:40	<b>Plenary Session 4: Mining and Climate Change</b> <ol style="list-style-type: none"> <li>1) Climate Change Impacts on Mining and Raw Material Supply.  <b>Lukas Rüttinger</b>, Senior Project Manager, adelphi, Germany</li> <li>2) The Energy and Carbon Intensity of Mining: Understanding the Growing Importance of Renewable Energy.  <b>Dr. Gavin Mudd</b>, Associate Professor, Royal Melbourne Institute of Technology (RMIT) University, Australia</li> <li>3) Integrating Renewables in the Mining Sector.  <b>Nicolas Maennling</b>, Senior Economics and Policy Researcher, Columbia Centre for Sustainable Investment, USA</li> </ol>
12:40	Introducing the topics for the afternoon breakout sessions and the poster walk during lunch <b>Moderator</b>

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: **Andreas Manhart**, Senior Researcher Sustainable Products & Material Flows, Öko-Institute

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

15:30 – 15:50

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

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