



MIN-GUIDE Annual Conference 2017

**An Innovation-Friendly Policy Framework
along the Mineral Production Value Chain**

Agenda

**Crowne Plaza Brussels - Le Palace
Rue Gineste 3, 1210 Brussels**

**Brussels
13-14 December 2017**

Wednesday, 13 Dec 2017

8:15-9:00 Registration

09:00-10:30 Opening and Orientation

09:00-09:15 **Welcome Address and MIN-GUIDE Project Overview**
Andreas Endl, Institute for Managing Sustainability, Vienna University of Economics and Business, Austria

09:15-09:30 **Latest Developments in Minerals Policy in Europe & the Role of Innovation**
Peter Handley, Head of Unit, Resource Efficiency and Raw Materials, DG GROW, European Commission

09:30-10:30 **Minerals Policy in Europe – Pressing Issues and Future Challenges**
Discussion with

- *Corina Hebestreit, Director, Euromines*
- *Dirk Fincke, Secretary General, European Aggregates Association (UEPG), and*
- *Tobias Kind, WWF Germany*

10:30-11:00 Coffee Break

11:00-13:00 Innovation-Policy Nexus in the Mineral Production Chain

11:00-11:15 **The Importance of Innovation and Policy Support in the Minerals Value Chain: MIN-GUIDE Approach on Innovation, Good Practices and Policy**
Martha Bickett, Policy Studies Institute, University of Westminster, UK

11:15-12:30 **Innovation and Policy Support in 3 Value Chain Stages: Results from the MIN-GUIDE Project**

- **Exploration and Extraction**
Michael Tost, Montanuniversität Leoben, Austria
- **Mineral and Metallurgical Processing**
Jan Rosenkranz, Division of Minerals and Metallurgical Engineering, Luleå University of Technology, Sweden
- **Waste Management and Mine Closure**
Maria Taxiarchou, National Technical University of Athens

12:30-13:00 Plenary Discussion

13:00-14:00 Lunch Break

14:00-17:15 Parallel Break-out Groups Session: Innovation-Policy Nexus in Best Practice Examples

14:00-14:15 Overview of the Break-out Groups Session and Formats
Conference Moderator

14:15-15:45 Parallel Break-out Groups

(1) Minerals Exploration & Extraction	(2) Mineral and Metallurgical Processing	(3) Waste Management and Mine Closure	(4) Deep-Sea Mining
<p>Short introduction to the topic</p> <p>Innovation Highlights:</p> <p>1) <u>Bio-leaching:</u> Horst Hejny, BioMore Project</p> <p>2) <u>Lower Environmental Footprint with mobilization:</u> Tomi Korhonen, Sleipner, Finland</p> <p>3) <u>Use of Drones:</u> Ari Saartenoja, Radai, Finland</p> <p>Summary and Discussion</p>	<p>Short introduction to the topic</p> <p>Innovation Highlights:</p> <p>1) <u>Mineral Processing - Sandvik: Eco-Efficiency in Comminution:</u> Hamid Manouchehri, Sandvik, Sweden</p> <p>2) <u>Metallurgical Processing – Development of NOx-reducing measures in LKAB:</u> Roger Karlsson, LKAB, Sweden</p> <p>3) <u>Recycling & handling of processing rejects:</u> Anders Sand, Boliden, Sweden</p> <p>Summary and Discussion</p>	<p>Short introduction to the topic</p> <p>Innovation Highlights:</p> <p>1) <u>Olympias reclamation project:</u> Dimitris Ballas, Hellas Gold, Greece</p> <p>2) <u>Extractive Waste Management:</u> Carlos Caxaria, Chair of the Mining & Geologist Engineers Professional Chamber, Portugal</p> <p>3) <u>Environmental Monitoring Program in Kassandra Mines:</u> Dimitris Ballas, Hellas Gold, Greece</p> <p>Summary and Discussion</p>	<p>Short introduction to the topic</p> <p>Innovation Highlights:</p> <p>1) <u>Innovation in Deep Sea Mining:</u> Wiebe Boomsma, Royal IHC, Netherlands</p> <p>2) <u>Impacts of Deep Sea Mining:</u> Philip P.E. Weaver, Seascope, UK</p> <p>3) <u>Underwater Exploration and Mining:</u> Fernando Barriga, University of Lisbon, Portugal</p> <p>Summary and Discussion</p>

15:45-16:15 Coffee Break

16:15-16:45 Presentations of Break-out Group Results

16:45-17:15 Plenary Discussion

17:15-17:30 Closing of Day 1

17:15-17:30 Recap of Day 1 and Outlook on Day 2
Conference Moderator

17:30-18:30 Networking

Drinks and Finger food in the Venue Foyer

Thursday, 14 Dec 2017

09:00-12:30	Innovative Future Mineral Production: Fostering Cross-Value Chain Interactions
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09:00-09:20 **Innovative Future Mineral Production along the Value Chain: Setting the Scene**
Patrick Wall, EuroGeoSurveys, Project Coordinator Horizon 2020 VERAM Project

09:20-09:40 **Results of Innovation-Policy Discussions of Day 1**
Ben Shaw, Policy Studies Institute, University of Westminster, UK (TBC)

09:40-09:45 **Introduction to the Interactive Table Discussion**
Conference Moderator

09:45-10:30 **Interactive Table Discussions: The Policy Spin**
What policies are needed to foster Innovative Future Minerals Production?

10:30-11:00 *Coffee Break*

11:00-12:00 **Innovative Future Mine and the Value Chain: Cooperation and Coherence among the Different Stages**

- **Resource Efficient Exploration and Extraction by Smart Co-operation**
Göran Bäckblom, President, S.A.S. KAWANO
- **Mineral and Metallurgical Processing**
Chris Broadbent, Research Director, Wardell Armstrong
- **Waste Management and Mine Closure**
Katerina Adam, Professor, National Technical University of Athens (NTUA)

12:00-12:30 **Plenary Discussion**

12:30-13:00	MIN-GUIDE Online Guide: Mineral Policies and Innovations in Europe - GOPA
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12:30-13:00 **The MIN-GUIDE Online Guide: Features and Updates**
Veronika Cerna & Roberto Tomasi, GOPA, Belgium

13:00 **Conference Closing**