



**MIN-GUIDE Policy Laboratory 2:
Innovations and supporting policies for
minerals exploration and extraction**

Leoben, AT, 21-22 March 2017

Draft Agenda

**Aula
Montanuniversitaet Leoben
Leoben, Austria**

Tuesday, 21 March 2017

8:30-9:00 **Registration**

09:00-09:45 Opening and Orientation

09:00-09:15 Welcome address

Wilfried Eichlseder, Rector of Montanuniversitaet Leoben, Austria

09:15:09:30 MIN-GUIDE project overview and objectives of the Policy Laboratory

Andreas Endl, Institute for Managing Sustainability, Vienna University of Economics and Business, Austria

09:30-09:50 The EU's Raw Materials and Minerals Policy Framework:

Rodrigo Chanes Vicente, Policy Officer, Unit Resource Efficiency and Raw Materials, DG GROW, European Commission

09:50-10:45 Innovation challenges and policy responses in minerals exploration and extraction

09:50-10:15 Main challenges and drivers for industry in exploration and extraction in practice: the industry perspective

Thomas Drnek, RHI AG, Austria

10:15-10:35 Addressing raw material exploration and extraction challenges: policy responses in Europe

Peter Moser, Head of the Chair of Mining Engineering and Mineral Economics & Vice Rector for Infrastructure and International Relations, Montanuniversitaet Leoben, Austria

10:35-10:45 Q&A

10:45-11:15 Coffee Break

11:15-12:15 **Overview of innovations and supporting policies for minerals exploration and extraction in Europe**

11:15-11:45 **Results of the MIN-GUIDE stock-taking on innovation in exploration and extraction, incl. enabling policies and good practice cases**

Michael Tost, Chair of Mining Engineering and Mineral Economics, Montanuniversitaet Leoben, Austria

11:45-12:00 **MIN-GUIDE Policy Guide: A dialogue between content and the virtual world**

Roberto Tomasi, GOPA Com., Belgium

12:00-12:15 Q&A

12:15-13:30 Lunch Break

13:30-17:45 **Parallel Policy Laboratories on innovation and supporting policies for minerals exploration and extraction**

13:30-13:50 **Good practice cases on innovation for minerals exploration and extraction: content of the 3 Policy Laboratories**

Michael Tost, Chair of Mining Engineering and Mineral Economics, Montanuniversitaet Leoben, Austria


13:50-14:00 **Concept and format of the 3 Policy Laboratories**

Facilitator

14:00-15:45

Parallel Policy Laboratories, part 1: “Listening, exchanging, and learning”

3 parallel Policy Labs on innovation in exploration and extraction, enabling environments and supporting policies



<p>Policy Lab 1: Exploration</p> <p>Case 1: New geomodels - Panagiotis Zachariadis, Hellas Gold</p> <p>Case 2: Airborne geophysical methods - Benedikt Steiner, xplORE.global</p> <p>Case 3: Drones - Ari Saartenoja, Radai</p>	<p>Policy Lab 2: Extraction</p> <p>Case 1: Autonomous equipment - Komatsu (TBC)</p> <p>Case 2: Process control & (big) data management - Vale SA (TBC)</p> <p>Case 3: Continuous processes and automation - Uwe Restner, Sandvik</p>	<p>Policy Lab 3: Deep sea mining</p> <p>Case 1: : A company update, Nautilus Mining, John Parianos (TBC)</p> <p>Case 2: VAMOS and CHPM 2030, EFG, Vitor Correia (TBC)</p> <p>Case 3: Responsibility in Deep Sea Mining, University Lisboa, Fernando Barriga (TBC)</p>
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15:45-16:15

Coffee Break

16:15-17:30

Parallel Policy Laboratories, part 2: “Exploring transferability”

3 parallel Policy Labs on innovation in exploration and extraction, enabling environments and supporting policies



<p>Policy Lab 1: Exploration</p> <p>Case 1: New geomodels - Panagiotis Zachariadis, Hellas Gold</p> <p>Case 2: Airborne geophysical methods - Benedikt Steiner, xpLORE.global</p> <p>Case 3: Drones - Ari Saartenoja, Radai</p>	<p>Policy Lab 2: Extraction</p> <p>Case 1: Autonomous equipment - Komatsu (TBC)</p> <p>Case 2: Process control & (big) data management - Vale SA (TBC)</p> <p>Case 3: Continuous processes and automation - Uwe Restner, Sandvik</p>	<p>Policy Lab 3: Deep Sea Mining</p> <p>Case 1: A company update, Nautilus Mining, John Parianos (TBC)</p> <p>Case 2: VAMOS and CHPM 2030, EFG, Vitor Correia (TBC)</p> <p>Case 3: Responsibility in Deep Sea Mining, University Lisboa, Fernando Barriga (TBC)</p>
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17:30-17:45

Wrap up of day 1 and outlook on day 2

17:45-19:00

Evening reception: Space for networking and exchange (with beverages and buffet)

Wednesday, 22 March 2017

09:00-09:45 Feedback from the Policy Laboratories

- 09:00-09:45 Results of the parallel Policy Laboratories from day 1 & reflection**
- Presentation and reflection by MIN-GUIDE project team:
- Exploration: Michael Tost, Montanuniversitaet Leoben, Austria
 - Extraction: Darko Vrkljan, University of Zagreb, Croatia
 - Deep Sea: Luis Pinheiro, University of Aviaro, Portugal

09:45-13:00 Discovering future pathways for innovation and supporting policies in exploration and extraction

- 09:45-10:45 Needs and gaps in policies for innovation in exploration and extraction in Europe**
- Exploration: Benedikt Steiner, xplORE.Global, Germany
 - Extraction: Martin Lang, Austrian Mining Association and Mining Consultant, Austria
 - Deep Sea: Paul Lusty, British Geological Survey, Great Britain

Q&A

10:45-11:15 Coffee Break

11:15-12:15 Group work on needs and gaps & future policy pathways
Interactive group work with participants on extraction, exploration and deep sea

12:15-12:45 Feedback from group work & final reflection

12:45-13:00 Event closure and next steps in MIN-GUIDE
Gerald Berger, Institute for Managing Sustainability, Vienna University of Economic and Business, Austria

13:00 Policy Laboratory End