

# PROGRAMME

EU-LATIN AMERICA MINING & EXPLORATION  
CONVENTION AND TRADE SHOW METS 2018  
10–12 April 2018, Madrid, Spain



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## DAY 1 – 10 April 2018

8:00 – 9:00 Registration (registration will be possible over the 3-day period)

### 9:00 OPENING PLENARY SESSION

**Responsible mining , responsible sourcing, the UN Sustainable Development goals and the development and maintenance of strong and sustainable value chain for the benefit of all concerned economies.**

Meeting room "Estrasburgo/Burdeos/Marsella"

Chair: **Mr. Antti Peltomaki, Deputy Director General of the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs**

- **European Commission: Mr. Antti Peltomaki**, Deputy Director General of the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
- **Spain: Mr Diego Vazquez**, Deputy Director General for International Energy Relations at the Secretary of State for Energy of the Spanish Ministry of Energy, Tourism and Digital Agenda
- **Argentina: Dr. Juan Miguel Biset**, Undersecretary of Mining Sustainability
- **Brazil: Dr. Maria José Gazzi Salum**, Brazilian Ministry of Mines and Energy
- **Chile: Mr. Sergio Hernández Núñez**, Vice-president Cochilco
- **Colombia: Mr. Pedro Enrique Perico Carvaja**, Director of Mining Enterprises, Ministry of Mining and Energy
- **Mexico: Dr. Israel Gutiérrez Guerrero**, CEO of The Mining Development Bank (FIFOMI)
- **Peru: Mr. Mauricio Cuadra**, Director of Mining Promotion of the MINEM
- **Uruguay: Mr. Nestor Campal**, Department of Mines and Geology, Ministry of Industry
- **Europe: EuroGeoSurveys, Ms. Teresa Ponce de Leão**, President of EuroGeoSurveys
- **Europe: Mr. Moritz Lörcher**, Projekt-Consult
- **Europe: Ms. Silvi Serreqi & Mr. Patrick de Smedt**, EASME, DG GROW

### 12:00 OPENING OF THE TRADE SHOW

Meeting room "Londres/Bristol/Oxford"

- **Mr. Antti Peltomaki**, Deputy Director General of the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

In the presence of the representatives of the Latin American countries.

13:00 – 15:00 Lunch break and networking



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## 15:00 PLENARY SESSION – INVESTMENT AND BUSINESS

Meeting room "Estrasburgo/Burdeos/Marsella"

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Chair: **Mr. Eduardo Chaparro, Colombia**

- **Argentina: Dr. Juan Biset**, Undersecretary of Mining Sustainability  
Title: **Why mining in Argentina**
- **Brazil: Dr. José Leonardo Silva Andriotti**, Geological Survey of Brazil (CPRM)  
Title: **The Geological Survey of Brazil – Investment opportunities**
- **Mexico: Dr. Israel Gutiérrez Guerrero**, Mining Development Bank (FIFOMI)  
Title: **Investing in the Mexican Mining Sector**
- **Austria: Mr. Thomas Frömmer**, RHI Magnesita  
Title: **RHI Magnesita – a world market leader emerges**
- **Chile: Mr. Cristian Cifuentes Gonzalez**, Chilean Copper Commission  
Title: **Mining Open – a platform**
- **Colombia: Dr. Gloria Prieto Rincón**, Colombian Geological Survey SGC  
Title: **tbc**
- **McKinsey: Mr. Chris Mulligan**, Partner  
Title: **Mining productivity and the evolving market of battery materials**
- **Peru: Ms. Maria Chappuis**, Advisor to the Viceministerial Office of Mines  
Title: **Peru: A mining country**
- **Uruguay: Ms. Marcela Alejandra Pascale Abreu, Ms. Judith Beatriz Loureiro Olivet**, MIEM-DINAMIGE  
Title: **Uruguay: Geology and Mineral Resources**

18:00 – 20:00 Refreshments and Networking



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## DAY 2 – 11 April 2018

### 9:00 – 12:30 PARALLEL WORKSHOPS

Workshop 1: National Mineral Policies and Economic Growth Meeting room "Estrasburgo"	Workshop 2: Water management  Meeting room "Burdeos"	Workshop 3: Sustainable value chains: the case of copper Meeting room "Marsella"
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### 12:30 – 14:30 Lunch break and networking

### 14:30 – 18:00 PARALLEL WORKSHOPS

Workshop 1: National Mineral Policies and Economic Growth (cont.) Meeting room "Estrasburgo"	Workshop 4: Waste management and rehabilitation Meeting room "Burdeos"	Workshop 5: CSR and social acceptance Meeting room "Marsella"
		Workshop 6: RTD and innovation Meeting room "Marsella"

### 9:00 WORKSHOP 1: NATIONAL MINERAL POLICIES AND ECONOMIC GROWTH

Chair: N.N.

- **Argentina: Mr. Roberto Sarudiansky**, Mining Geological Service – SEGEMAR  
 Title: **The link between the American countries: the experience of CAMMA**
- **Czech Republic: Mr. Martin Vlastnik**, Ministry of Industry and Trade of the Czech Republic  
 Title: **Raw Materials Policy of the Czech Republic**
- **Brazil: Dr. Maria José Gazzi Salum**, Ministry of Mines and Energy  
 Title: **Revitalization of the Brazilian Mineral Industry**
- **Chile: Mr. José Cabello**, Geological Society of Chile  
 Title: **Access to resources in the EU and Latin America: some National Mineral Policies Comparison**

10:30 – 11:00 Discussion and Coffee break



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## 11:00 WORKSHOP 1: NATIONAL MINERAL POLICIES AND ECONOMIC GROWTH (CONT.)

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Chair: **Mr. Pedro Enrique Perico Carvaja, Colombia**

- **Spain: Mr. Gerardo Herrera**, EuroGeoSurveys Earth observation and Geohazards  
Title: **Earth Observation in support of sustainable mining by the Geological Surveys of Europe**
- **Europe: Mr. Rafal Szkop**, European Technology Platform on Sustainable Mineral Resources (ETP SMR)  
Title: **ETP SMR and the VERAM project: roadmap towards sustainable policies and economic growth**
- **Brazil: Mr. Ricardo Parahyba**, National Mining Agency (ANM-DNPM)  
Title: **The new National Mining Agency in Brazil - ANM (Law 13575/2017)**
- **Colombia: Mr. Santiago Angel**, Colombian Mining Association  
Title: **Good Mining Policies as a trigger for Colombia's economic growth**

12:30 – 14:30 Lunch break and networking

## 14:30 WORKSHOP 1: NATIONAL MINERAL POLICIES AND ECONOMIC GROWTH (CONT.)

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Chair: **Mr. José Cabello, Chile**

- **Chile: Mr. Edmundo Tulcanaza**, CRIRSCO Committee for Mineral Reserves, International Reporting Standards  
Title: **Mineral Resources Reporting and Valuation in Latin America: The CRIRSCO Standards**
- **Finland: Ms. Laura S. Lauri**, MIREU H2020-project  
Title: **Mining and Metallurgy Regions of EU – MIREU**
- **Argentina: Mr. Julio Rios Gomez**  
Title: **Activities of the SEGEMAR to add value to the geology of the Argentine territory**

16:00 – 16:30 Discussion and Coffee break

## 16:30 WORKSHOP 1: NATIONAL MINERAL POLICIES AND ECONOMIC GROWTH (CONT.)

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Chair: **Mr. Nestor Altamira, Argentina**

- **Denmark: Mr. Christian Jervelund**, Copenhagen Economics  
Title: **How mining companies can prosper through better regulatory strategies – bringing investments and growth to the table**
- **Chile: Mr. Sebastian Huidobro**, DS Abogados  
Title: **The mining exploration in Latin America, Investment or Cost?**
- **Uruguay: Mr. Santiago Guerrero Cherma / Mr. Mauricio Faraone Pimienta**, MIEM-DINAMIGE  
Title: **Uruguay: A country to explore**
- **Peru: Mr. Ricardo Labo**, Ministry of Mines  
Title: **Peru: Promoting mining exploration activities**



## 9:00 WORKSHOP 2: WATER MANAGEMENT

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Chair: **Ms. Mirona Coropciuc, Belgium**

- **Spain: Mr. Javier Carrillo de Albornoz Portes, SUEZ**  
Title: **Valorisation of the acid mine drainage (AMD) treatments**
- **Belgium: Mr. Jan Bronders, VITO**  
Title: **Mining (water) management issues for abandoned or closed mines**
- **Argentina: Mr. Daniel Ricardo Blasco, Salta State University**  
Title: **Aquifers Management Concern at Salars in North Andean of Argentina**
- **Germany: Mr. David Navas / Mr. Gerry Southwood, Clariant Produkte (Deutschland) GmbH**  
Title: **Using mineral based technology to boost liquid-solid separation in mine process, surface water and tailings applications**

10:30 – 11:00 Discussion and Coffee break

## 11:00 WORKSHOP 2: WATER MANAGEMENT (CONT.)

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Chair: **Ms. Mirona Coropciuc, Belgium**

- **Finland: Mr. Antti Pasanen, Geological Survey of Finland, GTK**  
Title: **Groundwater transport in fractured bedrock – Case studies from Talvivaara and Yara mines, Finland**
- **Spain: Dr. Jordi Guimera, Ampjos 21**  
Title: **Integrated mineral technologies for more sustainable raw material supply (ITERAMS)**

12:30 – 14:30 Lunch break and networking

## 14:30 WORKSHOP 4: WASTE MANAGEMENT AND REHABILITATION

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Chair: **Mr. Sergio Hernández Núñez, Chile**

- **Sweden: Prof. Bernhard Dold, Luleå University of Technology**  
Title: **Mine Waste: Pollution Source or Georesource**
- **Czech Republic: Dr. David Poc, Czech Republic Mining Association**  
Title: **Former and operating mining sites and their benefits for local communities: Examples from the Czech Republic**
- **Italy: Mr. Carlo Cormio, Serengeo**  
Title: **Best practices, scientific tools and case studies for mining heritage planning, design and reclamation**
- **Argentina: Ms. Luciana Villalba, Ministry of Energy and Mining**  
Title: **Towards a Sustainable Mining in Argentina: Initiatives for Closure of Mines and Mining Waste**

16:00 – 16:30 Discussion and Coffee break



## 16:30 WORKSHOP 4: WASTE MANAGEMENT AND REHABILITATION (CONT.)

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Chair: **Mr. Sergio Hernández Núñez, Chile**

- **Sweden: Mr. Anders Hallberg, SGU**  
Title: **ProSUM-Mining Waste – turning waste into resources**
- **Poland: Prof. Natalia Iwaszczuk, Department of Energy Management, Faculty of Management at the AGH University of Science and Technology**  
Title: **tbc**
- **Spain: Mr. Julio César Arranz Gonzalez, IGME**  
Title: **Orphan wastes management and rehabilitation. Recent work developed by the Geological Survey of Spain.**

## 9:00 WORKSHOP 3: SUSTAINABLE VALUE CHAINS: THE CASE OF COPPER

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Chair: **Ms. Maria Chappuis, Peru**

- **Poland: Mr. Rafal Pawelczak, KGHM Polska Miedz, Mr. Marcin Gut, BIPROMET S.A.**  
Title: **We make green copper production possible**
- **Chile: Mr. Ronald Monsalve, Chilean Copper Commission**  
Title: **Minning suppliers market in Chile (The public-private role)**
- **Peru: Mr. Henry John Luna Córdova, Catastro Minero, INGEMMET**  
Title: **Geological Information System and Mining Cadastre**
- **International: Mr. Sergio Hernández Núñez, International Copper Study Group**  
Title: **Report on Copper Market Trends and Projections 2019**

10:30 – 11:00 Discussion and Coffee break



## 14:30 WORKSHOP 5: CSR AND SOCIAL ACCEPTANCE

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Chair: **Ms. Natalia Bertullo, Uruguay**

- **EU: Ms. Malwina Nowakowska**, European Commission  
Title: **Conflict minerals**
- **Mexico: Dr. Luis Vera-Morales**, College of the Northern Border  
Title: **Drawing a social acceptance path for mining activities in a complex biocultural setting. Takeaways from Mexican experiences**
- **UK: Ms. Elisabeth Luther**, Yordas Group  
Title: **How to Use Stakeholder Engagement to Build a Sustainable Mining Project**
- **EU: Dr. Aurela Shtiza**, IMA Europe  
Title: **Contribution of industrial mineral companies in the implementation of the sustainability development goals (SDG)**
- **Peru: Mr. Roberto Martin Zamora Nevado**, Private University of Chiclayo  
Title: **Corporate Social Responsibility and Mining in Peru**

## 16:30 WORKSHOP 6: RTD AND INNOVATION

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Chair: **Mr. Manuel Gomez Herrero, European Commission**

- **Europe: Mr. Zoltan Bartalis**, European Space Agency  
Title: **Towards best practices for using satellite Earth Observation in mining and extractives**
- **UK: Dr. Emma Goosey**, Env-Aqua Solutions  
Title: **Recovering PGMs from mining slags**
- **Spain: Mr. Francisco Sánchez Ruiz**, Cobre Las Cruces, S.A.  
Title: **Technology Development to Exploit More Efficiently and Sustainably the Low Grade, Complex and Polymetallic Ores**
- **Finland: Mr. Marcello Imana**, Agnico-Eagle  
Title: **Gaining new perspective in mineral exploration by using new and old technologies in new terrains. Examples from Perú, Finland and Sweden**
- **Spain: Ms. Leonor Gomez, Portugal: Ms. Dina Carrilho**, Era-Min 2, FCT – Foundation for Science and Technology  
Title: **ERA-MIN RTDI projects to foster circular economy**





## DAY 3 – 12 April 2018

### 9:00 – 12:30 PARALLEL WORKSHOPS

Workshop 6: RTD and innovation (cont.) Meeting room "Estrasburgo"	Workshop 7: Land-planning and access to resources Meeting room "Burdeos"	Workshop 8: Health and Safety Meeting room "Marsella"
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### 12:30 – 14:30 Lunch break and networking

### 14:30 – 15:30 PARALLEL WORKSHOPS

Workshop 6: RTD and innovation (cont.) Meeting room "Estrasburgo"	Workshop 7: Land-planning and access to resources (cont.) Meeting room "Burdeos"	Workshop 9: Skills and training Meeting room "Marsella"
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### 16:00 - 16:30 CLOSING PLENARY SESSION

### 9:00 WORKSHOP 6: RTD AND INNOVATION (CONT.)

Chair: **Dr. Corina Hebestreit, Belgium**

- **EU: Mr. Manuel Gomez Herrero**, European Commission  
 Title: **EU Policy and Research Innovation Initiatives on Raw Materials**
- **Poland: Professor Jerzy Lis /Mr. Pawel Kucmierz**, AGH University of Science and Technology  
 Title: **Presentation of business and science cooperation potential**
- **EU: Mr. Nicolae Mitu**, European Commission Copernicus  
 Title: **Copernicus for mining**
- **Finland: Mr. Harry Sandstrom**, GTK  
 Title: **Added value for mining process by production chain optimization**

10:30 – 11:00 Discussion and Coffee break



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## 11:00 WORKSHOP 6: RTD AND INNOVATION (CONT.)

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Chair: **Prof. Jerzy Lis, Poland**

- **Spain: Ms. Pilar Martínez de la Calle**, Hovering Solutions  
Title: **UAV's (unmanned aerial vehicles) use in underground mines**
- **Slovakia: Professor Pavol Rybar**, Technical University Kosice, Faculty BERG, Kosice, Slovakia  
Title: **Hydrogen battery, as the innovative power source for raw materials exploration and extraction**
- **Argentina: Mr. Nestor Altamira**, Geological Survey of Argentina  
Title: **The Mining Technology Institute of the Geological Survey of Argentina**
- **Spain: Mr. Andrea Bartoli**, Worldsensing S.L.  
Title: **Operational Intelligence for Mines**
- **Sweden: Mr. Morgan Rody**, Epiroc  
Title: **Electrification of Mining Equipment**

12:30 – 14:30 Lunch break and networking

## 14:30 WORKSHOP 6: RTD AND INNOVATION (CONT.)

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Chair: **Dr. Corina Hebestreit, Belgium**

- **Brazil: Mr. Fernando Lins**, CETEM – Center for Mineral Technology  
Title: **Research and Technological Services at CETEM**
- **Finland: Dr. Fredrik Karell**, Geological Survey of Finland  
Title: **The GATEWAY Project – connecting Start-ups with Latin America and Africa**

## 9:00 WORKSHOP 7: LAND-PLANNING AND ACCESS TO RESOURCES AND INFRASTRUCTURE

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Chair: **Mr. Luis Martins, Portugal**

- **Colombia: Dr. Gloria Prieto Rincón**, Colombian Geological Survey SGC  
Title: **Mineral Resources in Colombia: key factor for land-planning**
- **Argentina: Mr. Pedro Palmés**, Mining Infrastructure National director, Ministry of Energy & Mining  
Title: **Energy Infrastructure in Argentina Opportunities**
- **France: Mr. Eberhard Falck**, Mining Consultant  
Title: **Land-Use Planning as an Instrument to Create Win-Win Situations for Host Communities and Mining Companies**
- **Sweden: Dr. Ronald Arvidsson**, SGU  
Title: **MinLand - Mineral resources in sustainable land-use planning**

10:30 – 11:00 Discussion and Coffee break



## 11:00 WORKSHOP 7: LAND-PLANNING AND ACCESS TO RESOURCES AND INFRASTRUCTURE (CONT.)

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Chair: **Mr. Roberto Sarudiansky, Argentina**

- **Portugal: Mr. Luis Martins, Assimagra**  
Title: **Towards a multi-dimensional methodology supporting a safeguarding decision on the future access to mineral resources**
- **Mexico: Dr. Luis Vera-Morales, College of the Northern Border**  
Title: **The difficult coexistence of natural protected areas and mining operations in Mexico**
- **Norway: Mrs. Kari Aslaksen Aasly, Geological Surveys of Norway NGU**  
Title: **Public importance for mineral resources and tools for spatial planning – case study from Norway**

12:30 – 14:30 Lunch break and networking

## 14:30 WORKSHOP 7: LAND-PLANNING AND ACCESS TO RESOURCES AND INFRASTRUCTURE (CONT.)

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Chair: **Mr. Luis Martins, Portugal**

- **UK: Ms. Masuma Farooki, MineHütte**  
Title: **Regulatory Risk and Land Access – How do EU and Latin American Countries Compare**
- **Peru: Mr. Henry John Luna Córdova, Catastro Minero, INGEMMET**  
Title: **Mining Concessions, Geology and Mining Cadastre in Peru**

## 09:00 WORKSHOP 8: HEALTH & SAFETY

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Chair: **Ms. Aurela Shtiza, Belgium**

- **International: Mr. Alex Gryska, International Mine Rescue Body – IMRB**  
Title: **Effective Emergency Response – A Critical Component of Every Mine's Safety Infrastructure**
- **Germany: Mr. Roman Preissler, Berufsgenossenschaft Rohstoffe und chemische Industrie**  
Title: **The mine rescue system in Germany: emergence, development, education and up-to-date information**
- **Greece: Mr. Petros Maraboutis, Eco-efficiency**  
Title: **A successful project of improving OSH management by training and coaching SMEs**
- **Europe: Dr. Roger Doome, IMA-Europe**  
Title: **Health & Safety is more than a priority, it is a duty**

10:30 – 11:00 Discussion and Coffee break



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## 11:00 WORKSHOP 9: SKILLS AND TRAINING

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Chair: **Mr. Tony Hand, Europe**

- **Spain: Mr. Antoni Pijoan**, Tecnalia  
Title: **MORAMA - a Spanish-Mexican cooperation**
- **Brazil: Mr. Adriano Clary**, Integrallis Marketing and Management  
Title: **A reflexion about the requirements for successful employes and companies face the new challenges imposed by industry 4.0**
- **Sweden: Mrs. Lena Alakangas**, CAMM (Centre for Advanced Mining and Metallurgy in Sweden) Luleå Univeristy of Technology  
Title: **CAMM – Centre for Advanced Mining and Metallurgy in Sweden**
- **Europe: Mr. Constantin Ciupagea**, European Commission, DG Joint Research Centre  
Title: **The Commission's Raw Materials Information System: integrating knowledge and EU policies on raw materials**

12:30 – 14:30 Lunch break and networking

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## 14:30 WORKSHOP 9: SKILLS AND TRAINING

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Chair: **Mr. Eberhard Falck, France**

- **Spain: Ms. Diana Ponce de León Gil**  
Title: **Building an International network of raw materials training centres: INTERMIN Project**
- **EU: Tony Hand**, EIT RM  
Title: **Atlantic crossings: Latin America and EIT Raw Materials collaborations along the raw materials value chain**

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## 15:30 – 16:00 CLOSING PLENARY SESSION

Meeting room "Estrasburgo/Burdeos/Marsella"

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Closing remarks

- **Ms. Maria Rosa Sabbatelli**, European Commission
- **Ms. Malwina Nowakowska**, European Commission



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