



# Matchmaking Workshop

## CHALLENGES AND INNOVATION IN EXPLORATION AND MINING: OPPORTUNITIES WITH EIT RAWMATERIALS

Metallic Mining Hall (MMH 2017)  
18 October 2017 in Sevilla, Spain

CO-ORGANISED WITH



EIT RawMaterials is supported by the EIT,  
a body of the European Union

EIT RawMaterials, initiated and funded by the EIT (European Institute of Innovation and Technology), a body of the European Union, is the largest consortium in the raw materials sector worldwide. Its mission is to develop raw materials into a major strength for Europe by boosting competitiveness, growth and attractiveness of the European raw materials sector via radical innovation, new education approaches and guided entrepreneurship.

EIT RawMaterials unites more than 100 partners – academic and research institutions as well as businesses – from more than 20 EU countries. Together we collaborate on finding new, innovative solutions to secure the supply of the raw materials and improve the sector all along the value chain – from extraction to processing, from recycling to reuse.

The Metallic Mining Hall (MMH) is at its second edition and offers an international forum for the industry related to mineral extraction and processing. The focus of MMH 2017 will be sustainability of metals mining with regard to the technology advancements, the environmental protection and efficiency of the processes.

In this 2017 edition, EIT RawMaterials and MMH will start a fruitful collaboration to the benefit of the sector's stakeholders.

## Objective

The workshop intends to showcase to industries and SMEs the opportunities offered by EIT RawMaterials as the reference organisation in Europe to address technological challenges in the primary resources sector (e.g. exploration and mining).

The workshop sessions and the round table will illustrate the opportunities for joining the EIT RawMaterials network, accessing funding instruments and high-quality education programs for professionals interested in exploration, mining and processing.

## Program

**09:00 – 09:30** Registration and coffee

### Session 1: Overview

**09:30 – 09:40** Welcome  
Miguel Cabal, MMH Scientific Commission

**09:40 – 10:10** Opportunities offered by EIT RawMaterials  
Pier Luigi Franceschini, CLC South General Manager of EIT RawMaterials

**10:10 – 10:30** tbd  
Peter Handley, European Commission, Resource Efficiency and Raw Materials

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Challenges and Innovation in Exploration and Mining

**10:30 – 10:50** Advances in exploration and mining: EIT RawMaterials supported projects overview  
Tony Hand, Thematic Officer (Mining) of EIT RawMaterials

**11:00 – 11:20** Copper metallurgy innovation management from a smelter's perspective  
Irene Ruiz, Atlantic Copper

**11:20 – 11:40** Innovation, modernisation & transformation: the XXI century European mining industry  
Fernando de la Fuente, FF Consultores

## Session 2: Projects and best practices of EIT RawMaterials

**11:40 – 12:00** Innovative logging tools  
Maria Josè Jurado, CSIC-ICTJA

**12:00 – 12:20** Challenges and opportunities for mineral exploration in the Iberian Pyrite Belt  
Juan Manuel Pons Perez, MATSA Mining

**12:20 – 12:40** Automated microscopic characterisation of ores  
Ricardo Castroviejo, UPM

**12:40 – 13:00** Rock Vader: smart hard rock mining system  
Uwe Restner, Sandvik

**13:00 – 14:00** Questions and discussion

**14:00 – 15:30** Lunch buffet offered by EIT RawMaterials

## Session 3: Round table – Metals mining perspectives and needs

Chair: Tony Hand, Thematic Officer (Mining), EIT RawMaterials

**15:30 – 17:00** Speakers of Round table  
Luis Rodríguez Pevida, Proyecto Riotinto Atalaya Mining  
Carlos Frías, First Quantum Minerals Ltd.  
Santiago Cuesta-Lopez, ICCRAM  
Philippe Giaro, ULiège  
Francisco Javier Elorza Tenreiro, UPM

**Final conclusions**  
Pier Luigi Franceschini, CLC South General Manager of EIT RawMaterials

A detailed info package about the EIT RawMaterials funding programme will be given to all SMEs attending the workshop.

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### Venue

FIBES, Palacio de Exposiciones y Congresos de Sevilla, Spain

### Organised with the contribution of:

Miguel Cabal, Comité Científico MMH  
Lidia Gullón, Fundación Gómez Pardo  
Francisco Javier Elorza, Universidad Politecnica de Madrid  
Carlos Rich, Atlantic Copper  
Fernando Tornos, Consejo Superior de Investigaciones Científicas

### And EIT RawMaterials Team

Pier Luigi Franceschini, CLC South General Manager  
Renzo Salimbeni, CLC South Business Developer  
Tony Hand, Thematic Officer (Mining)  
Bo Møller Stensgaard, Thematic Officer (Exploration)  
Valeria De Petris, CLC South Team Assistant

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This activity is organised by EIT RawMaterials e.V., executed by EIT RawMaterials CLC South S.r.l.