



Europe— From Mine to Market

DRAFT PROGRAMME *subject to change

Thursday 28th September

- 10:30 Registration & refreshments on arrival
- 11:30 Welcome MMTA, GKZ
- 11:40 **Forum Open—Is there a Mining & Production Exit from Europe (a 'Prexit')?**
Speaker: Peter Robinson, British Fluorspar.
- 12:00 Key note: **Minor metals in mining and markets - the future has just begun**
Who are the future mining leaders, where are the future markets, what are the technology trends, what is the customer behaviour affecting product developments, how important will minor metals become politically?
Speaker: John Meyer, SP Angel

THE UPSTREAM PICTURE

- 12:30 **Indium: for smart technologies from smart extraction**
Europe's hidden champions: The Tellerhäuser Indium mining project.
Speaker: Dr Marco Roscher, Managing Director Saxore, Freiberg
- 13:00 **Europe's contribution to minor metals mining**
The FAME Project - valorisation of domestic CRMs through flexible and modular processing.
Speaker: Dr Chris Broadbent, Director Wardell Armstrong International
- 13:30 **Networking Lunch, followed by "Kaffee und Kuchen"**
- 15:00 **SOS Metallurgy - Save our Smelters**
Maintaining European metallurgy know-how and how to integrate metallurgy into sustainable primary and secondary raw material industry.
Speaker: Prof. Dr. Dr. h.c. Markus Reuter, Director Helmholtz Centre for Resource Technology, Freiberg

DOWNSTREAM INTEGRATION

- 15:30 **Supply & demand in a global market**
Best practise insights of a global manufacturer in securing supply in a changing global market, as well as supplying to global markets.
Speaker: Donna Vareha-Walsh, Director Metals Business Unit, Indium Corporation

PROGRAMME CONTINUES OVERLEAF

When?

Thursday 28th—Friday 29th September 2017

Where?

- Hotel Taschenbergpalais Kempinski Dresden
- Elbe paddle steamboat 'Krippen'
- Zinnkammern Visitor Mine, Pöhla

Who should attend?

Members of the MMTA and GKZ, and all those with an interest in the future European mining and metals sector within a global context.

What?

This unique MMTA/GKZ event will take part at the impressive Taschenbergpalais in the beautifully restored old town of Dresden.

The day's presentations will explore the concept and challenges of a European industry from mine to market within the context of a global supply chain in a changing world.

This will be followed by an idyllic evening dinner cruise on the River Elbe in a traditional steam paddle boat.

- On Friday 29th, there is also a not-to-be-missed opportunity to visit Zinnkammern Visitor Mine, Pöhla (numbers for the mine visit are strictly limited and will be on a first-come-first-served basis)

The event combines:

- A unique perspective on the European mining and metals industry;
- An opportunity to position European metals resources and know-how within a global context;
- Extensive networking in a first-class environment.

Event Cost (includes boat and dinner):

MMTA/GKZ/VDM/FAME Members: €210

Non-members: €300

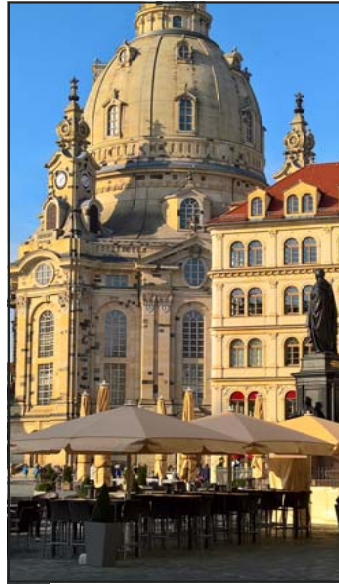
Mine Visit: €25 (for registered delegates only)

For more information or to register, contact admin@mma.co.uk

This event is kindly sponsored by the FAME project

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 641650.





Thursday 28th September Cont'd

- 16:00 **When minor metals become major**
Current product and technology developments which best reflect the changing demand for minor metals raw material supply.
Speaker: Charles Swindon, Managing Director, RJH Trading Ltd
- 16:30 **Milestones in metallurgy—past, present and future**
Examining past metals usage to offer a vision for the future uses of metallurgy, if we nurture these skills and allow research and development to flourish.
Speaker: Prof. Dr. Ernst Pernicka, Curt-Engelhorn-Zentrum Archäometrie GmbH, University of Heidelberg
- 17:00 **Forum Close:**
Dr Chris Broadbent, Director Wardell Armstrong International on behalf of the FAME project
- 18:00 **Dinner on board the traditional Elbe paddle steamboat 'Krippen' touring the Elbe Valley up to Saxon Switzerland.**
- 21:30 Disembark 'Krippen' back in Dresden centre.

Friday 29th September

Visit of Zinnkammern Visitor Mine, Pöhla

- 08:00 Coach departs from Taschenbergpalais
- 10:00 Visit of Zinnkammern Visitor Mine, Pöhla
- 12:30 Miners' lunch at site and networking
- 14:00 Coach back to Dresden
- 16:00 Arrive Dresden Taschenbergpalais



About the mine:

Saxore Bergbau GmbH, a junior mining company with ambitions to unlock European mineral resources! Saxore's flagship project is the Tellerhäuser deposit, located in the Saxon Erzgebirge, Germany. Saxore is a subsidiary of the London based Anglo-Saxony Company.

The decision to invest in German deposits has been made for several reasons: Excellent infrastructure, including smelter capacities and nearby major markets for potential products.

There is active underground mining in the district (marble and fluorite), so no new precedents need to be set, and Saxony hosts a number of R&D institutions with several research projects looking at the deposit and supplying indirect funding, including the triple helix network of GKZ.

The deposit was discovered during post World War 2 exploration for uranium carried out by GDR-Soviet Union geologists. Gravity concentration and flotation tests were carried out in the 1970's and found to be reasonably successful, however further work is required to achieve higher grade concentrates, an issue the Horizon 2020 funded FAME project aims to address.

The value of the extensive work that has been carried out to date has been estimated at current values at over £120 Million. This represents a huge advantage for a deposit which contains (according to the Resource Estimate made by Hellman and Schofield, Consultants, Brisbane) an inferred resource (under JORC 2012) of 6.2Mt ore at 0.47% tin representing, 28,900t of contained tin and a further 15.8Mt at 0.46% tin.

The deposit contains potentially valuable by-products as well, with 15.9 Mt ore containing 127ppm Indium (>2,000t Indium metal) and 18 Mt ore averaging 1.12% Zinc (>200,000t zinc metal).

