LEOBENER BERGMANNSTAG 2012

19th to 21st September 2012
Leoben, Austria
www.eumicon.com

RAW MATERIALS ARE THE FUTURE

EUMICON EUROPEAN MINERAL RESOURCES CONFERENCE 2012

19th to 21st September 2012
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EUMICON 2012

The sustainable mining and utilisation of raw materials and energy are central tasks for our economy and society’s future. What raw materials do we plan to make use of in the future? Where will we be mining these raw materials or where will we regain them through the recycling industry? And how will we make these available for production processes in the future?

By tradition of the ‘Leobener Bergmannstag’ (miners’ day Leoben), the European mineral resources conference EUMICON 2012 will be held at the Montan University Leoben from 19th to 21st September this year. The conference will discuss these key questions. At the science- and economy-oriented congress, EUMICON, top-class keynote speakers and excellent business panels will give an insight on topics comprising the availability of resources for economy and society as well as new strategies and technologies in extraction, processing and recycling of mineral raw materials.

YOUR BENEFITS:

- Excellent keynote speakers, a top-class lecture programme as well as interesting panel discussions.
- International participants with top-level personalities from politics, economy and science.
- A ceremonial opening under the patronage of the Austrian State President, Dr. Heinz Fischer, with key government representatives like the Vice-President of the European Commission, Antonio Tajani.
- Evening receptions by the Austrian Ministry of Economy, Family and Youth, the Governor of the Province of Styria and the Mayor of Leoben.
- A comprehensive programme of exhibitions and events.

EUMICON 2012 Panel-Program:

Panel A: Mining and Minerals
Panel B: Mineral Processing & Recycling
Panel C: Petroleum Industry
Panel D: Sustainable Raw Materials Extraction
Panel E: Underground Engineering
Panel F: Ferrous and Non-Ferrous Metallurgy
Panel G: HSE in Extractive Industry

EUMICON 2012 Participants:

WOLFGANG E. SCHOLLNERGER
Schoeller Bleckmann Oilfield
“An energy junction between 2020 and 2030: causes, and consequences for consumers, governments and the petroleum industry”

ABDALLA SALEM EL-BADRI
Secretary General of OPEC
Regarded as one of the top experts of the international energy market, he studied in the USA and had formerly served as Libyan Minister for Energy as well as Deputy Prime Minister.

DR. VOLKER STEINBACH
BGR-Hannover
Panel presentation „Mining and Minerals”

DR. JOHANNES GEORG BEDNORZ
Nobel Laureate in Physics
In 1982 he began his study on high-temperature superconductivity in ceramic materials with copper oxides, for which he received the Nobel Prize in Physics in 1987

DR. WOLFGANG EDER
CEO of voestalpine
President of EUMICON 2012

DI ALOIS SCHEDL
CEO of ASFINAG
Panel presentation „Underground Engineering”

GILLES MICHEL
CEO of the IMERYS Group
since 2011. He served as Chief Executive Officer of the French Strategic Investment Fund. Prior to this he had held senior positions with PSA Peugeot-Citroën, the Saint-Gobain Group and the World Bank.

PROF. ROBIN BATTERHAM
University of Melbourne
Panel presentation „Mineral Processing & Recycling”

REINHARD PONGRATZ
OMV Exploration & Production
Panel presentation „Petroleum Industry”

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RESOURCES CONFERENCE 2012
EUROPEAN MINERAL MINING AND MINERALS

MONDAY, 17TH SEPTEMBER 2012
08:00 – 18:00
Meetings and conferences of international partner organisations
(i.e. EUROMINES, heads of European mining authorities, tentatively IMA and others)

TUESDAY, 18TH SEPTEMBER 2012
08:00 – 18:00
Meetings and conferences of international partner organisations
(i.e. EUROMINES, heads of European mining authorities, tentatively IMA and others)
10:00 – 15:00
Career forum (presentation of job opportunities, company representatives, professors)

WEDNESDAY, 19TH SEPTEMBER 2012
10:00–14:00
Check-in and accreditation

11:00–12:30
Get together, opening of exhibition, press reception

12:30–13:30
Festive assembly and opening ceremony with DR. REINHOLD MITTERLEHNER,
Federal Minister of Economy, Family and Youth, and DR. WOLFGANG EDER, CEO of voestalpine, president of EUIMYC 2012

13:30–14:50
Experts panel discussion and general statements by executives of the raw materials industrial minerals – a driver for innovation and sustainable growth.

(i.e. EUROMINES, heads of European mining authorities, tentatively IMA and others)

15:20–16:40
Keynote: ABDALLA SALEM EL-KADRI, Opex Secretary General:
The future development of the oil markets: what it brings and what it means

A lost race? How Europe can compete in supply and demand with the emerging markets.

Experts panel discussion and general statements by executives of the raw materials industry.

R. ANTHONY HODGE, President of the International Council of Mining and Metals (ICMM), London, United Kingdom;
JAAP HUJUSKES, Executive Vice President of OMV AG, Exploration & Production, Austria;
DKFM. FRANZ STRUZL, CEO of RHI AG, Austria, MAG. FRANZ VOVES, Governor of Styria, Austria, DR. CHRISTOPHE LEITL, President of the Austrian Federal Economic Chamber, and Georg Kapsch, President of the Federation of Austrian Industries.

14:50–15:20
Coffee break

15:20–16:40
Keynote: JOHANNES GEORG BEDNORZ, IBM Fellow Emeritus; IBM Zurich Research Laboratory, Nobel prize winner for physics 1986;
High tech superconductor technology - ready for take-off

Part of the problem or part of the solution? Sustainable Raw Material Supply in context with training and education, employment, growth and environment, and resources efficiency

Round table discussion with the presidents (representatives) of the Industry Federations of the Austrian Mining and Steel Association, Austrian Association for Building Materials and Ceramic Industries, Austrian non-Ferrous Metals Federation and Austrian Petroleum Industry Association.

DIPL.-ING. FRANZ FRIESENBICHLER, DR. MANFRID ASAMER, DIPL.-W.-ING.(FH) ALFRED HINTRINGER, ING. KURT SONNLEITNER

16:40–18:00
Round table discussion with the presidents (representatives) of the Industry Federations of the Austrian Mining and Steel Association, Austrian Association for Building Materials and Ceramic Industries, Austrian non-Ferrous Metals Federation and Austrian Petroleum Industry Association.

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18:00–19:00
Fade out (exhibition area)

19:00–24:00
Evening reception by invitation of the Austrian Federal Ministry of Economy, Family and Youth

THURSDAY, 20TH SEPTEMBER 2012
08:00–09:00
Get together in exhibition area

09:00–09:50
Keynote: RAILCARGOEURASIA; Future supply chain concepts in raw material supply

10:00–10:30
Keynote: DR. REINHOLD MITTERLEHNER, Federal Minister of Economy, Family and Youth:

10:30–11:00
Keynote: REICHERT, C.
BGR-Hannover, Germany: Future marine mineral resources – prospectivity and constraints

11:00–11:30
Minerals for the future

11:30–12:00
Innovations in mineral processing

12:00–12:30
Hydrocarbons for the 3rd millennium

12:30–13:00
Panel B: Mineral Processing & Recycling Challenges in processing industry

13:00–13:30
Panel C: Petroleum Industry Unconventional hydrocarbons

13:30–14:00
Panel D: Sustainable Raw Materials Extraction

13:40–14:30
Panel E: Underground Engineering

13:40–14:30
Lunch break, exhibition area

14:30–15:30
Experts’ panel discussion on international university education in raw material business: GEORG BEDNORZ,
IBM Zurich Research Laboratory, Nobel Prize winner for physics 1986; DR. WOLFGANG EDER, BGR-Hannover, Germany; FRILIEF EICHESELDER, Mining University Leoben, Austria, VICE RECTOR UNIV.-PROF. DR. PETER MOSER, Mining University Leoben, Austria, PROF. DR. GEORE UNLAND, Finance Minister of the State Sachsen, Professor of TU Bergakademie Freiberg, Germany; MAS® KRISTINA EDLINGER-PLÖDER, Member of the Government of Styria, Head of the Department for Sciences, Research & Health Management, Austria, KATHRYN LIST, Head of Supervisory Board, Club International (CINT), Graz, Austria.

15:30–16:10
Copper Industry Keynote: Raw materials and the financial markets: A match made in heaven or hell?

16:10–16:30
Coffee break, exhibition area

16:30–17:30
Experts’ panel discussion on international university education in raw material business: GEORG BEDNORZ,
IBM Zurich Research Laboratory, Nobel Prize winner for physics 1986; DR. WOLFGANG EDER, BGR-Hannover, Germany; FRILIEF EICHESELDER, Mining University Leoben, Austria, VICE RECTOR UNIV.-PROF. DR. PETER MOSER, Mining University Leoben, Austria, PROF. DR. GEORE UNLAND, Finance Minister of the State Sachsen, Professor of TU Bergakademie Freiberg, Germany; MAS® KRISTINA EDLINGER-PLÖDER, Member of the Government of Styria, Head of the Department for Sciences, Research & Health Management, Austria, KATHRYN LIST, Head of Supervisory Board, Club International (CINT), Graz, Austria.

17:30–18:30
Panel E: Underground Engineering
EUMICON CONFERENCE WEEK
An attractive side program as a dense network of information during EUMICON 2012.

MEETINGS AND SPECIAL EVENTS

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, 17th September</td>
<td>10:00 - 17:00</td>
<td>EUROMINES environment committee meeting</td>
<td>University of Mining, Leoben</td>
<td>Members only!</td>
</tr>
<tr>
<td>Tuesday, 18th September</td>
<td>09:00 - 12:00</td>
<td>EUROMINES board meeting</td>
<td>University of Mining, Leoben</td>
<td>Members only!</td>
</tr>
<tr>
<td></td>
<td>10:00 - 15:00</td>
<td>Job &amp; Career forum</td>
<td>Conference Center</td>
<td>Admission free!</td>
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<tr>
<td></td>
<td>13:00 - 18:00</td>
<td>EUROMINES general assembly</td>
<td>University of Mining, Leoben</td>
<td>Members only!</td>
</tr>
<tr>
<td>Wednesday, 19th September</td>
<td>09:00 - 10:00</td>
<td>annual general meeting</td>
<td>„Bergmännischer Verband Österreichs“ BVÖ</td>
<td>Members only!</td>
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</table>

ERZBERGSYMPOSIUM 2012

Sunday, 16th September 2012
08:00 Opening of the Mineral-show, postage-stamps and postcards in Eisenerez, Kammerhof
18:00 Cultural performance, read by Christine Brunsteiner, Eisenerez, Kammerhof

Monday, 17th – Tuesday, 18th September 2012
09:00 Opening of the scientific symposium in the Kammerhof. Lectures on the history and technology of mining and metallurgy in the area of the „Steirischer Erzberg“ and the history of the town of Eisenerez will be given by local and international experts. Afterwards a guided visit of the town, ending with the reception by invitation of the mayor of Eisenerez Christine Holzweber, is offered. On Tuesday, 18th September the symposium continues and a ladies-program is provided.

The lectures of the scientific meeting will be published in the „Res montanarum“ as special issue, available during the meeting. This book is included in the symposium fee of EUR 20,- (reduced price for EUMICON participants).

EXHIBITION PROGRAM

For in-depth information on the technical aspects of the conference a special exhibition will take place from 19th to 21st of September at the University of Leoben. Further, a public exhibition on mineral resources will show large exhibits and machinery displayed in the form of a ‘montane sculpture park’.

The public exhibition takes place throughout the week of the conference, from 17th to 22nd September 2012. If you would like to participate as an exhibitor you can find further information on www.eumicon.com

JOB & CAREER FORUM

Together with leading Styrian and Austrian newspapers a Job & Career Forum will be organized. Lectures and a panel discussion by the University of Leoben and leading companies of the raw materials industries will provide visitors with information on education and career opportunities to support the young and ambitious in their choice of careers. The forum addresses pupils, students and people who seek new professional challenges to give an impression about job opportunities at the different companies.

The Job & Career Forum will take place on the 18th September 2012 from 10:00 to 15:00.

SIDE PROGRAM FOR EUMICON PARTICIPANTS

TUESDAY, 18TH SEPTEMBER 2012
Pre-Opening event, on invitation of the Styrian Minister of Economy, Dr. Christian Buchmann and the “Styrische Wirtschaftsförderungsgesellschaft SFG.
Location: VIP-Lounge of Red-Bull-Ring
Red Bull Ring Straße 1
A-8724 Spielberg
Time: Entry 18:30
Beginning 19:00
End 23:00
Shuttles: 18:00 and 18:30 from EUMICON Conference Center, return 22:00 and 23:00 from Red Bull Ring to EUMICON Conference Center
Presented by

THURSDAY, 20TH SEPTEMBER 2012
Evening reception by the Governor of Styria, Mag. Franz Voses, and the Mayor of Leoben, Dr. Matthias Konrad
Location: EUMICON marquee
A-8700 Leoben
Time: Entry 19:00 Uhr
Beginning 19:30
End 24:00
Due to the proximity of the EUMICON marquee there is no shuttle-service provided.

FRIDAY, 21ST SEPTEMBER 2012
Traditional Gösser beer festival
Location: EUMICON Conference Center
University of Mining, Leoben
Courtyard of the old tract
Franz-Josef-Straße 18
A-8700 Leoben
Time: Entry 17:30
Beginning 18:00
End 24:00

If you want to participate as an exhibitor or would like to hold a presentation at the Job & Career Forum, you can find further information on www.eumicon.com
MINERS’ PARADE „1.300 JAHRE ERZBERG”
SATURDAY, 22ND SEPTEMBER 2012 - 17TH ÖSTERREICHISCHER KNAVEN- UND HÜTTENTAG (AUSTRIAN MINERS’ AND MINING DAY)

The week of the congress coincides with the Styrian Erzberg’s 1,300-year-anniversary celebrations. A highlight of the festivities will be the great miners’ parade at the Styrian Erzberg. In the 19th century this was the base of a remarkable economic upturn for the region Eisenwurzen and Ennstal.

Miners’ parades have been traditional in the capital of the Styrian mining industry since 1728.

EXCURSION-PROGRAM FOR EUMICON-PARTICIPANTS

The following points of the excursion programs are free for all participants who’ll be at conference and the persons who accompany them (in fact they have a ticket for escort), the only visit, which would be not included, would be a visit to the city of Graz.

Shuttles start and end at the EUMICON-Conference-Center / Mining University Leoben.

Would you be so kind to announce your visit on the website www.eumicon.com

The festival area holds the opportunity to view modern mining equipment and a special post office is available. For more information: www.abenteuer-erzberg.at

Program: Arrival of the miners’ delegations an music associations at the Eisenerz Stadium

Program: Miners’ parade into the Eisenerz Stadium; Ceremonies with speeches and band music

Program: Transfer to the Styrian Erzberg marquees, lunch and guest concerts

Program: Presentation of mining machinery in a choreography by Lawine Torrèn

Program: Handing over of flag ribbons for delegations

The following points of the excursion program for eumicon-participants

GUIDED CITY TOUR

Leoben: Culture – Economy – Wellness

The walk through the city of the mining town leads you to the museum centre „Kunsthalle Leoben“, where participants have the opportunity to view the exhibitions ‘Radkult’ (Wheel culture) or ‘Schiene in die Vergangenheit’ (tracks into the past)

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MINING HISTORY AND PRESENT

Visit the Erzberg’s beloground labyrinth and become acquainted with the miners’ working environment of the past and today. Become witness to the impressively displayed methods of belowground ore mining. A film shows the formation of the Erzberg, 860 HP strong giant vehicles are waiting to take you on a journey through the mining levels.

The water wheel furnace IV is the only preserved and fully equipped charcoal-furnace in Europe. This part of the program offers a striking view of mining methods and the development of steel mining and production.

LEOBEN, HEART OF THE STEEL INDUSTRY
VIEWING OF THE VOESTALPINE PLANT DONAWITZ

Styria’s industrial development is intrinsically tied to the production and processing of steel and to the Donawitz steel plant. After an introductory film on working life in the plant, visitors are able to experience work at the furnaces and rail steel mill from close-up. The voestalpine Stahl Donawitz GmbH & Co KG has developed to become the world’s most modern compact-LD-steel plant. It’s capacity of quality steel production meanwhile goes beyond 1.5 million tons per year. Remarks: Photography prohibited! Sturdy shoes required.

WATER WHEEL FURNACE IV AND THE ERZBERG SHOW MINE
MINING HISTORY AND PRESENT

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Information and booking of the sightseeing program on www.eumicon.com

Status 27th June 2012. Changes, errors and omissions excepted.
## TICKETS

<table>
<thead>
<tr>
<th>Conference Ticket</th>
<th>Early Bird Price</th>
<th>EUR 330,-</th>
<th>EUR 396,-</th>
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<tr>
<td>Standard Price</td>
<td>EUR 400,-</td>
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<td>Executive Upgrade*</td>
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<td>Student Ticket**</td>
<td>Standard Price</td>
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* Early Bird Price valid until 22nd July 2012 (receipt of payment)
* Only valid in combination with a Conference Ticket.
** Montan University Leoben Students are eligible for a EUR 50,- refund from the „Department Mineral Resources & Petroleum Engineering“.

Complete Information and ticket booking on www.eumicon.com

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### INFORMATION

**European Mineral Resources Conference 2012**

Conference Office EUMICON
c/o BVÖ
Franz Josef Straße 18
A-8700 Leoben
phone +43.(0)3842.45279-0
fax +43.(0)3842.45279-4
office@eumicon.com

**Complete Information and ticket booking**: www.eumicon.com

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