

08:00 - 09:00 **Registration**

09:00 - 09:30 **Opening Ceremony**

Session I: Resource Management

**Chair** PETER TROPPER

09:30 - 10:00 JACEK LECH (Keynote Speaker)  
Resource management in prehistoric siliceous rock mining: An archaeological perspective.

10:00 - 10:20 FELICE LAROCCA\*, CHIARA LEVATO  
From the Imprint to the Tool: The identification of prehistoric mining tools through the study of digging traces: The case of Grotta della Monaca in Calabria (Italy).

10:20 - 10:40 CAROLINE O. GRUTSCH\*, KLAUS-PETER MARTINEK  
Copper mineralizations in western North Tyrol – In prehistoric times exploited resources?

10:40 - 11:00 **Coffee Break**

**Chair** WALTER LEITNER

11:00 - 11:20 PETER TREBSCHKE  
Resources and nutrition in the Urnfield period mining site of Priggglitz-Gasteil in Lower Austria - Preliminary report on the excavations in 2010 and 2011.

11:20 - 11:40 REGULA WAHL-CLERICI  
Purpose of the hydraulic infrastructure of the Roman goldmining district of Três Minas in northern Portugal.

11:40 - 12:00 CLAUS-STEPHAN HOLDERMANN  
The "Fleischpankl" - The highest abattoir of the Tyrol. On the food supply of the miners of the early modern age on the Schneeberg in the Passeier Valley (South Tyrol).

12:00 - 13:30 **Lunch Break**

**Chair** KURT NICOLUSSI

13:30 - 13:50 HANNES KNAPP\*, WIEBKE KIRLEIS, OLIVER NELLE  
Anthracological investigation of smelting sites from the 10<sup>th</sup> to 13<sup>th</sup> century in the Harz Mountains, Germany: Wood usage and overexploitation of the woodlands.

13:50 - 14:10 WILLY TEGEL  
Annually resolved and absolutely dated tree-ring evidence of mining activities in the Black Forest.

14:10 - 14:40 **Discussion**

Session II: Production & Technology

**Chair** GERT GOLDENBERG

14:40 - 15:10 A. BERNHARD KNAPP (Keynote Speaker)  
The social context of metallurgical production and technological change: Views from the eastern Mediterranean.

15:10 - 15:30 SIMON TIMBERLAKE  
Ecton Hill: An early Bronze Age copper mine in the Peak District of Central England.

15:30 - 15:50 WILLIAM O'BRIEN  
Late Bronze Age copper mining in Atlantic Europe.

15:50 - 16:10 ERICA HANNING\*, THOMAS STÖLLNER, ANNETTE HORNSCHUCH, BEATE SIKORSKI, KLAUS RÖTTGER  
Quantifying Bronze Age smelting sites in the Mitterberg mining district.

16:10 - 16:30 **Coffee Break**

**Chair** MATTHIAS KRISMER

16:30 - 16:50 THOMAS KOCH WALDNER  
Prehistoric copper production in the region of Kitzbühel, Tirol - mining and smelting.

16:50 - 17:10 GERT GOLDENBERG\*, NILS ANFINSET, MARKUS STAUDT, ULRIKE TÖCHTERLE  
Experimental reconstruction of prehistoric chalcopyrite smelting using traditional techniques from Nepal.

17:10 - 17:30 DANIEL STEINIGER, CLAUDIO GIARDINO  
Prehistoric mining in central Italy: New evidence from the Monti della Tolfa (Latium).

17:45 - 19:30 **Posterpresentations**  
about 30 Posters, presentation time each ca. 3 minutes

Session II: Production & Technology continued

- Chair ERNST PERNICKA**
- 08:30 - 08:50 PETRA SCHNEIDHOFER\*, HANS RESCHREITER  
Site formation processes and mining operations at the prehistoric salt mine of Hallstatt, Austria: A geoarchaeological multi-method approach.
- 08:50 - 09:10 HANS RESCHREITER\*, DORIS PANY-KUCERA, DOMINIC GRÖBNER  
Kindergarden 100m below ground? New 'life scenes' for the Hallstatt salt mines.
- 09:10 - 09:30 PATRICK ROSENTHAL\*, DENIS MORIN, RICHARD HERBACH, ADONIS PHOTIADES, SERGE DELPECH  
Mining technologies at deep level in Antiquity : The Laurion mines (Attica, Greece).
- 09:30 - 09:50 JULIEN MANTENANT, ARGITXU BEYRIE, JEAN-MARC FABRE, ÉRIC KAMMENTHALER, NURIA MORELL I CORTÉS, GABRIEL MUNTEANU, CHRISTIAN RICO  
The mine of 'Les Barrencs' (South France). Technological approach of a copper mine of the 2<sup>nd</sup> Iron Age and the Late Republic (4<sup>th</sup> -1<sup>st</sup> c. BC).
- 09:50 - 10:10 F.-JAVIER SÁNCHEZ-PALENCIA\*, DAMIÁN ROMERO, ALEJANDRO BELTRÁN  
Roman mining and geoarchaeology in the northwest of the Iberian Peninsula: The mining area of Pino del Oro (Zamora, Spain).
- 10:10 - 10:30 Coffee Break**
- Chair THOMAS STÖLLNER**
- 10:30 - 10:50 CONSTANTIN CANAVAS  
Mine drainage in medieval Muslim Spain. Continuities and discontinuities in a cross-cultural context.
- 10:50 - 11:10 SUSANNE KLEMM\*, SUSANNE STROBL, ROLAND HAUBNER  
Mediaeval iron smelting in the Iron Mountain (Steirischer Erzberg) Area, Eisenerz, Styria (Austria).
- 11:10 - 11:30 PETRA MÁTYÁS-RAUSCH  
Life and work of Felician von Herberstein (1540-1590).
- 11:30 - 11:50 GERHARD SPERL  
The metallurgy of the blowpipe.
- 11:50 - 12:20 Discussion**
- 12:20 - 14:00 Lunch Break**

Session III: Societal Interaction & Ecology

- Chair KLAUS BRANDSTÄTTER**
- 14:00 - 14:30 CHRISTOPH BARTELS (KEYNOTE SPEAKER)  
Mining, economy, ecology and socio-cultural life: The 'Taming of the Shrew'?
- 14:30 - 14:50 LARS BLUMA  
The 'environmental' approach in German mining: Bodies, workplaces and hygiene around 1900.
- 14:50 - 15:10 NORA THORADE  
Spatial patterns of coal. Small mining districts intimates of industrialisation.
- 15:10 - 15:30 MARION KAISER  
The impact of quarrying natural stone on economy and ecology.
- 15:30 - 15:50 VALSEKA FLOR  
Living with lignite. A glimpse on lignite-linked problems in the Rhenish lignite-mining region.
- 15:50 - 16:10 ANITA FEICHTER HAID  
The 'Pfennwerthandel' in the mining region of Kitzbühel.
- 16:10 - 16:30 MICHAEL KASPER  
Development of social stratification in the Montafon - transformation of a former mining area in the 17<sup>th</sup> century.
- 16:30 - 16:50 Coffee Break**
- Chair PETER ANREITER**
- 16:50 - 17:10 CHRISTIANE HEMKER\*, YVES HOFFMANN, IVONNE BURGHARDT  
Medieval mining in Dippoldiswalde and Niederpöbel (Saxony): new approaches on research of mining impacts on medieval urban structure and surrounding areas.
- 17:10 - 17:30 PETR HRUBÝ  
The ore mining of 13<sup>th</sup> in the Bohemian-Moravian uplands region (Czech): Impact of the ore exploitation, smelting and production of silver on the settlement landscapes.
- 17:30 - 17:50 MARTIN ŠTEFÁNIK  
The role of Italian businessmen and entrepreneurs in the beginnings of central Slovakian metal mining with special regard to the gold production in Kremnica in the 1<sup>st</sup> half of 14<sup>th</sup> century.
- 17:50 - 18:10 ELISABETH GRUBER\*, IRINA WINDHABER\*  
Names as indicators of mining activities in the area of Klausen/Villanders (South Tyrol/Italy).

- 18:10 - 18:30 ESTELLE CAMIZULI\*, FABRICE MONNA, ISABELLE JOUFFROY-BAPICOT, FLORENCE CATTIN, RENAUD SCHEIFLER, CLAUDE GOURAULT, JEAN-PAUL GUILLAUMET, CHRISTOPHE PETIT, GILLES HAMM, RÉMI LOSNO, JÉRÔME LABANOWSKI, FOKERT VAN OORT, PAUL ALIBERT  
Ancient mining near the Bibracte oppidum and its nowadays impact on ecosystems: A multidisciplinary approach.
- 18:30 - 18:45 Break**
- 18:45 - 20:00 Public Talk**
- 20:00 - 21:30 Buffet**

### Friday, 9. 11. 2012

#### Session II: Production & Technology continued

- 08:30 - 11:30 Excursion**  
Excursion to "[The Grassmayr bell foundry](#)" (Glockengießerei Grassmayr) - Guided Tour
- 11:30 - 13:00 Lunch Break**

#### Session III: Societal Interaction & Ecology continued

**Chair KLAUS OEGGL**

- 13:00 - 13:20 TIM MIGHALL\*, SIMON TIMBERLAKE, WILLIAM O'BRIAN, ANTONIO MARTÍNEZ CORTIZAS, NOEMI SILVA SÁNCHEZ, FRANK CHAMBERS  
Characterising vegetation changes in former mining and metalworking areas during prehistoric and Roman times: Perspectives from Britain and Ireland.
- 13:20 - 13:40 BARBARA VIEHWEIDER\*, KLAUS OEGGL  
Reconstruction of the vegetation in the region of Kitzbühel (Tyrol) and the impact of different mining phases since the Neolithic.
- 13:40 - 14:00 UWE MEYERDIRKS  
Neubulach and Freudenstadt: Foundation and development of two very different mining (?) towns in the northern Black Forest.
- 14:00 - 14:30 Discussion**

#### Session IV: Data Base, Modelling & Geoinformation supporting Mining Research

**Chair MICHAEL DONEUS**

- 14:30 - 15:00 IRMELA HERZOG (Keynote Speaker)  
Medieval mining sites, trade routes, and least-cost paths in the Bergisches Land, Germany.
- 15:00 - 15:20 ANJA MASUR\*, KLAUS HANKE  
Towards HiMAT as a thematic information framework.
- 15:20 - 15:40 Coffee Break**
- Chair KLAUS HANKE**
- 15:40 - 16:00 MARKUS HELFERT  
Underground surveying with 3D-laserscanning in the Roman goldmine-district of Três Minas and Campo De Jales (Northern Portugal).
- 16:00 - 16:20 RENGERT ELBURG\*, FANET GÖTTLICH, THOMAS REUTER  
From the skys into the underground. - Remote sensing, survey and documentation in a medieval mining landscape in the Ore Mountains.
- 16:20 - 16:40 KRISTÓF KOVÁCS\*, KLAUS HANKE  
Spatial analysis techniques for investigation of tool marks on archaeological finds.
- 16:40 - 17:00 LENA ASRIH  
Airborne laser scans as a tool for historical science? – First methodic considerations using the example of medieval mining in the Saxon Ore Mountains (Erzgebirge/Germany).
- 17:00 - 17:30 Discussion**
- 17:30 - 18:00 Farewell**

### Saturday, 10.11.2012

- 08:30 - 17:30** Alternative 1: Ötzi, the Neolithic Icemen, [Museum of Archaeology Bozen](#) (South Tyrol / Italy) - Guided by Walter Leitner, Klaus Oegg  
Alternative 2: [Mining Museum Prettau](#) / Ahrntal (South Tyrol / Italy) - Guided by Gert Goldenberg  
Alternative 3: [Mining Museum Schneeberg](#) / Ridnaun (South Tyrol / Italy) - Guided by Matthias Krismer