

2. Mining in European History - Conference

The Impact of Historic and Prehistoric Mining Activities on the Environment and Societies in Europe



Special Conference of the FZ HiMAT
Nov. 07-10, 2012 – Innsbruck, Austria

1st Circular – Call for Papers



FZ HiMAT and the Conference

Standing in the tradition of the 1st Mining in European History Conference in Innsbruck we would like to invite you to join us for the 2nd international conference examining interdisciplinary studies on the impact of mining on the environment and cultures.

With this call for papers we would like to encourage scientists from all fields related to research on prehistoric and historic mining to submit their abstracts.

To enhance the interdisciplinary aspects in discussion and the transfer of results, we have reduced the scope of the conference from nine (at the 1st MEH-Conference 2009) to four sessions, which will cover the following themes:

I.) Resource Management

II.) Production & Technology

III.) Societal Interaction & Ecology

IV.) Data Base, Modelling & Geoinformation supporting Mining Research

Again, all sessions will be held one after another, with no parallel sessions, so everybody has the opportunity to follow all contributions. Social events and excursions will complete the program. Full details will be available in summer 2012.

We would especially like to encourage undergraduate and graduate students to attend to this meeting, reduced fees will be available for students as well as a travel award for the student with the longest travelling distance and a poster contest.

We are looking forward to discuss the latest results and to gain new insights and perspectives. See you in Innsbruck!

On behalf of the organizers



Prof. Dr. Klaus Oeggel

The Sessions:

Each session will include one key-note talk, oral and poster presentations. A team of researchers from the FZ HiMAT is responsible for the scientific content of each session. The session leaders are indicated below.

I.) *Resource Management*

Session Leaders:

Peter Tropper (peter.tropper@uibk.ac.at)

Kurt Nicolussi (kurt.nicolussi@uibk.ac.at)

Jörg Schibler (joerg.schibler@unibas.ch)

Walter Leitner (walter.leitner@uibk.ac.at)

This session focuses on all natural and man-made materials that are necessary for mining. This includes studies on natural raw materials such as stone as well as ore, timber supply, usage and dating as well as food production and consumption. The basic questions that will be addressed in this session are: what are the relevant (geochemical, mineralogical) characteristics of the raw materials that made specific stone materials (e.g. ochre, chert) and ore deposits attractive for mining in pre-historical and historical times? Which types of timber were used in mining? What is the state of the chronological aspects of wood analysis? What does the nutrition look like in mining sites? Is it possible to detect a mining site with its own food production?

II.) *Production & Technology*

Session Leaders:

Thomas Stöllner (thomas.stoellner@bergbaumuseum.de; Thomas.Stoellner@ruhr-uni-bochum.de)

Ernst Pernicka (ernst.pernicka@cez-archaeometrie.de)

Gert Goldenberg (gert.goldenberg@uibk.ac.at)

Matthias Krismer (matthias.krismer@uibk.ac.at)

Production and technology in connection with exploitation of mineral resources are in the focus of this session, comprising aspects of (1) the chaîne opératoire, (2) the econometrics and (3) the spread of technologies.

(1) In most cases production is stimulated and successfully implemented by technological knowledge and its improvement. It is, therefore, one of the aims of archaeological and archaeometallurgical investigations to analyse and to understand special production concepts by reconstruction of the technological chaîne opératoire.

(2) Functional analyses of mining, mineral and ore beneficiation, metallurgy, refining and fabrication of products provide the basic data to understand the involvement of production means such as labour and further supportive goods. The balance of production means and metallurgical yield is therefore a second important aspect of discussion in this session. Which econometric information can be obtained from investigating mining relics and production waste and how econometrics can be calculated? It certainly requires some discussion of empirical issues as well as of theoretical models to establish econometric standards for primary production on the basis of archaeological and archaeometric data.

(3) Economic efficiency and an economically sustainable technological concepts are necessary for the

implementation of a production process in different spatial contexts (mining landscapes, districts and ensembles). What are the stimulating factors for the spread of technology and of production patterns? Analysing trade systems and trading patterns may help to understand the exchange of materials, ideas and people. Contributions to these issues will be presented and discussed in this session.

III.) Societal Interaction & Ecology

Session Leaders:

Klaus Brandstätter (klaus.brandstaetter@uibk.ac.at)

Ingo Schneider (ingo.schneider@uibk.ac.at)

Peter Anreiter (peter.anreiter@uibk.ac.at)

Klaus Oeggel (klaus.oeggel@uibk.ac.at)

The effects of mining on both the resident population and the environment are decisive factors in the economy of mining districts. Extensive mining activities associated with exploitation of natural resources and emissions of pollutants have a sustainable impact on the environment and thus a decisive stake in the relations between miners and non-mining people. Furthermore, there are observable consequences on the social and economic structure of mining settlements. Our main focus is laid on the demography, mobility, migration networks, occupational structures and extent of trade relations as well as ecological devastation of mining districts from the Neolithic up to Modern Times. Here we expect interdisciplinary contributions from archaeology, European ethnology, history, linguistics and palaeo-ecology to shed light on the impact of mining on cultures and environment.

IV.) Data Base, Modelling & Geoinformation supporting Mining Research

Session Leaders:

Klaus Hanke (klaus.hanke@uibk.ac.at)

Michael Doneus (michael.doneus@univie.ac.at)

Gerald Hiebel (gerald.hiebel@uibk.ac.at)

This session invites researchers dealing with digital methods that can be used to model activities, remains or the research related to historic mining. On the database level this can correspond to the implementation of databases or conceptual modeling and fusion of heterogeneous data coming from e.g. the Humanities or Natural Science. Examples for methods in the field of Geoinformation are Surface Analysis and Least Cost Path Analysis as well as Agent based Modeling among many others.

We encourage all colleagues working in these fields to submit abstracts for oral or poster contributions.

Abstracts

To attend the Mining in European History - Conference, please use the [Abstract Submission Form](#) from our Homepage and send your abstract **until May 01, 2012**. The abstract should not exceed 3.000 characters (including blanks and excluding title and address lines). Please specify the session in which you want to give your presentation and whether you want to give oral or poster contribution. In case you want to submit more than one abstract, please use a new form for each submission. Abstracts will be reviewed after submission and the authors will receive a letter of acceptance as soon as possible. The organizers reserve the right to move oral contributions to the poster session after review and in case of abundant submissions.

Host City Innsbruck

Situated in the center of Europe, Innsbruck is easily accessible via airplane, train and car. Surrounded by high mountains and frequently addressed as the „Capital of the Alps“, the city features a beautiful historic city center with the famous Golden Roof. In addition, many cultural events as well as comprehensive sporting opportunities (esp. hiking and skiing) make it a nice place to visit. Further information on the town and its surroundings can be found at <http://www.innsbruck.info/>

Further Information

The 2nd circular including the program and detailed information on location, conference fees, schedule, accommodation, excursion program, etc. will follow in summer 2012. All information will also be placed on the [Mining in European History – Congress Website](#).

Questions

In case you have any questions on the meeting, please do not hesitate to ask:

Speaker of the SFB HiMAT:

Prof. Dr. Klaus Oeggel
Phone: +43 (0)512 / 507 – 5944
Email: klaus.oeggel@uibk.ac.at

HiMAT Coordination Office:

Phone: +43 (0)512 / 507 – 5945
Email: info.himat@uibk.ac.at

Adress:

FZ HiMAT – Coordination office
University of Innsbruck
Institute of Botany
Sternwartestr. 15
A-6020 Innsbruck, Austria

Internet:

www.uibk.ac.at/himat/

We are looking forward to see you at the Mining in European History - Conference in Innsbruck!