

## **Workshop on Lead Isotopes and Archaeometallurgy: A Progress Report**

**19-20 June 2008**

At the Geosciences Department, University of Fribourg (Switzerland)

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Over the last few years, several studies of archaeological artefacts by LIA have shown the renewed interest in this technique. They have also revealed some problems caused by modern analytical techniques as well as innovative ways of interpreting the results. For this reason, we plan to organise a workshop on LIA which will be held on June 19<sup>th</sup> & 20<sup>th</sup>, 2008 at the Geosciences Department of the University of Fribourg. Experts of exceptional competence in their respective fields are invited to present specific approaches. The goal of the conference is a publication focusing on state of the art developments and the various peculiarities of LIA.

The workshop will concentrate on the following special aspects:

1. Analytical considerations, for instance possibilities, advantages and shortcomings of the traditional methods, like TIMS and ICP-MS, compared to the more recent development of LA-ICP-MS.
2. Discussion of archaeological problems where Pb-based methods can lead to solutions. How can geoscientists aid in solving archaeological problems and what are the expectations of the archaeologists in this respect?
3. Specific problems of applying analytical methods based on Pb-isotopes to metals such as Pb-Ag, Cu and Fe, to glass and ceramics as well as to traces of Pb in sediments and in ice.
4. Methods of establishing and practical use of databases.

### *Scientific and organising committee*

Michael Bode, Geosciences, University of Munster, D

Marie Besse, Department of Anthropology and Ecology, University of Geneva, CH

Florence Cattin, Department of Anthropology and Ecology, University of Geneva, CH

Barbara Guénette-Beck, Geosciences, University of Fribourg, CH

Vincent Serneels, Geosciences, University of Fribourg, CH

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Minéralogie et pétrographie  
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## Provisional programme of the workshop on Lead Isotopes and Archaeometallurgy: A Progress Report

Thursday, 19 June 2008

Time	Topic	Speaker
13h30 – 14h00	Welcome of participants	
14h00 – 14h30	Traditional methods for Pb-isotopes analyses (ICP-MS, TIMS)	I. Villa, University of Bern, CH
14h30 – 15h00	Modern methods for Pb-isotopes analyses	n.d.
15h00 – 15h30	Analyses of ores	B. Guénette-Beck, University of Fribourg, CH
15h30 – 16h00	Coffee break	
16h00 – 16h30	Archaeological questions in regard to LIA	F. Cattin and M. Besse, University of Geneva, CH
16h30 – 17h00	Database for LIA	S. Stos, University of Surrey, GB
17h00	Poster, apéritif	
19h00	Dinner (fondue fribourgeoise)	

Friday, 20 June 2008

Time	Topic	Speaker
08h30 – 09h00	Analyses of sediments and ice-cores	F. Monna, University of Bourgogne, F
09h00 – 09h30	Analyses of Fe artefacts	P. Degryse, University of Leuven, B
09h30 – 10h00	Coffee break	
10h00 – 10h30	Analyses of Pb-Ag artefacts	M. Bode, University of Münster, D
10h30 – 11h00	Analyses of Cu artefacts	E. Pernicka, University of Tübingen, D
11h00 – 11h30	Final discussion	

### Poster session

A poster session is planned on Thursday evening. The attending persons are invited to provide posters for this session.



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## Workshop general information

DATE OF THE WORKSHOP	19-20 June 2008	
LOCATION	University of Fribourg, Department of Geosciences, 6, Chemin du Musée, 1700 Fribourg (Switzerland)	
FURTHER INFORMATION	<a href="http://www.unifr.ch/geoscience/mineralogy/archmet/">http://www.unifr.ch/geoscience/mineralogy/archmet/</a>	
PRESENTATIONS	The workshop language is English. Presentations will last about 30 minutes including discussions. They should be done as powerpoint. A slide and an overhead projector will be provided.	
ABSTRACTS	A short abstract of about 300 words should be submitted by May 31 <sup>st</sup> , 2008.	
PUBLICATION	We intend to publish the communications. Therefore, we would be grateful if you could send us the final version of your paper until 30 October 2008. It should be in word format, illustrations and bibliography separately.	
ACCOMMODATION, MEALS AND TRAVEL	<p>We cover the travel and accommodation expenses for invited guest-speakers.</p> <p>The <b>accomodation</b> is organised. Details will be provided soon.</p> <p>We ask you to organise your <b>travel</b> yourself and to inform us about your arrival and departure time as soon as possible.</p>	
CONTACT ADDRESS	<p>Barbara Guénette-Beck University of Fribourg Department of Geosciences 6, Chemin du Musée CH – 1700 Fribourg Tel : +41 (0)26 300 89 34 Fax : +41 (0)26 300 97 42 Email: <a href="mailto:barbara.guenette-beck@unifr.ch">barbara.guenette-beck@unifr.ch</a></p>	<p>Florence Cattin University of Geneva Department of Anthropology and Ecology 12, Rue Gustave-Revilliod CH – 1211 Genève 4 Tel : +41 (0)22 379 69 18 Fax : +41 (0)22 379 32 20 Email: <a href="mailto:florence.cattin@anthro.unige.ch">florence.cattin@anthro.unige.ch</a></p>