

SONDERKOLLOQUIUM

Topic: BAM meets International Association of Geoanalysts (IAG):
Analytical activities of IAG and micro-analytical methods in geosciences

Organiser: Divisions Inorganic Trace Analysis and Inorganic Reference Materials

Date: 25 April, 2016
03:30 PM

Location: Federal Institute for Materials Research and Testing (BAM)
Branch Adlershof, Richard-Willstaetter-Str. 11, 12489 Berlin
Building 8.05 / Room 1.201

Summary: Modern societies rely heavily on a sustainable and sufficient supply of non-ferrous natural resources while also needing to address the environmental problems that may result from the consumption of these resources. For both the availability of resources and the handling of anthropogenic contamination geo-analytical methods are essential for guaranteeing a reliable resource supply. Reliable chemical data are the basis of decision making not only for scientists but also for economic and political reasons. The International Association of Geoanalysts (IAG) has set the goal to help scientists and lab chemists to improve the data quality. Within the "BAM meets IAG" colloquium the IAG will present its activities in the areas of reference material production, proficiency testing and chemical metrology. As the IAG is active in many areas that closely parallel those of BAM, this colloquium will provide an opportunity to discuss future co-operation between BAM and IAG.

A second theme of this colloquium is micro-analytical in-situ methods in the geosciences. This topic parallels core activities of SALSA (School of Analytical Sciences Adlershof), such as the in situ characterization of surfaces and networks. Hence, meeting experts in this field of science is of great interest for SALSA graduate students.

Together with a tasting of wine and mineral water of known geographic origin and strontium isotope compositions, the application of $^{87}\text{Sr}/^{86}\text{Sr}$ isotope ratios for food provenancing will be presented on posters in the foyer after the oral presentations.

15:30 **Dr. Sebastian Recknagel** (BAM Division 1.6 Inorganic Reference Materials):
Address of welcome

15:35 **Prof. Thomas Meisel** (Talk, Montanuniversität Leoben):
International Association of Geoanalysts: Reference material programme, proficiency testing and advancements in analytical geochemistry

16:00 **Dr. Jérôme Chmeleff** (Talk, Observatoire Midi-Pyrénées Toulouse):
Laser ablation MC-ICP-MS: Providing in-situ isotope analyses in geosciences

16:30 **Dr. Michael Wiedenbeck** (Talk, Deutsches GeoForschungsZentrum Potsdam):
Secondary Ion Mass Spectrometry (SIMS) in the geosciences

17:00 **Dr. Martin Rosner** (Poster, IsoAnalysis UG)

After oral presentations, food provenancing with $^{87}\text{Sr}/^{86}\text{Sr}$ isotope ratios and mineral water and wine tasting