

DEVELOPMENTS IN NOBLE GAS UNDERSTANDING AND EXPERTISE (DINGUE)

19th and 20th June 2009, CRPG, Nancy, France

Sponsored by Davos Goldschmidt 2009

Organizing Committee: Pete Burnard, Rolf Kipfer and Igor Tolstikhin

Rationale In recent years, noble gas analytical capabilities have evolved considerably, broadening the range of noble gas applications. We invite noble gas geo- and cosmo- chemists to a two day workshop to discuss technical and scientific aspects of new noble gas applications to terrestrial and extraterrestrial science.

Background Multicollector technology, **in combination with the collective community experience** of noble gases behavior in analytical systems, promise measurement uncertainties well below what was possible ten years ago. Improved precision, however, brings new challenges. Compromises in machine settings are more complex. Sophisticated calibration methods are required to keep up with the improved precision. Automation permits greater sample throughput, with accompanying statistical methodologies. Laser extraction increases spatial resolution but applications are limited by blank levels and/or detection limits.

Objectives To allow noble gas analysts an opportunity to freely discuss advantages and pitfalls of technical developments over the past decade. We encourage discussion on the impacts of analytical advances on novel and/or future scientific applications. The workshop will be run in conjunction with the session at Goldschmidt 2009 entitled "**40 years after the 3He revolution: emerging news from noble gas cosmo- geochemistry at the edge.**" The same studies can be presented at this workshop and at Goldschmidt (preference will be given to presentations not presented at Goldschmidt).

Practicalities The workshop will be held at the Centre de Recherches Pétrographiques et Géochimiques, Nancy, France, on the 19th and 20th June 2009. Registration is free, and some financial aid will be available to defray transport costs for students otherwise unable to attend (a CV with justification letter to be sent to dingue2009@crpg.cnrs-nancy.fr). Nancy is readily accessible by air, rail or road with ample accommodation in the town center (20 minute tram ride from CRPG) starting from 50-60 € per night. If there is sufficient interest, we will provide transport (by bus) between Nancy and Davos in time for the start of the Goldschmidt meeting.

Abstract Deadline: 1st Feb 2009

Registration Deadline: 22nd May 2009

if you are interested, then email:
dingue2009@crpg.cnrs-nancy.fr
immediately to receive further circulars