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Introduction to the Special Issue of Procedia Earth and Planetary Science: AIG-11-Applied Isotope Geochemistry Conference

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11th Applied Isotope Geochemistry Conference, AIG-11 BRGM

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AIG-11-Applied Isotope Geochemistry Conference



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Peer-review under responsibility of the scientific committee of AIG-11

The 11th International Symposium on Applied Isotope Geochemistry (AIG-11) was held from 21 to 25 September 2015 at the French Geological Survey (BRGM) in Orléans, France. The purpose of this international conference was to bring together specialists in the different fields related to applied isotope geochemistry, to present state-of-the-art of developments as well as key examples of application and to promote exchange of ideas between scientists.

Applied Isotope Geochemistry (AIG) is a working group of the International Association of GeoChemistry (IAGC). The aim of the 11th Applied Isotope Geochemistry conference was to provide a forum where a wide range of applications of isotope analyses in geosciences and related fields were presented. A special focus has been put on water resources, as the downstream Loire River is scheduled to become a Unesco World Heritage site and to join the Natura 2000 network.

The AIG-11 conference covered contributions on a wide range of the related topics including:

- technological achievements and their applications concerning the use of isotopes in environmental geochemistry
- isotope hydrology as a tool for water supply policy, paleoclimatology and paleo-environmental changes
- recent applications and developments in dendroisotopes
- applications for understanding ecosystem behavior and function
- isotopic tools applied to degradation of organic contaminants (including biodegradation and non-biotic processes, Passive Barriers...)
- gas isotope geochemistry

- isotope geochemistry of sedimentary to high temperature geological processes, ore genesis and hydrocarbon exploration
- non-geoscience applications (archeometry, forensic studies, food authenticity, medical studies, doping investigations, etc.)

Some 75 manuscripts were submitted to AIG-11 by scientists from 20 countries. The manuscripts were handled by our Scientific Committee, such that each manuscript was peer reviewed for scientific content by at least one reviewer and one Editor.

We gratefully acknowledge the following colleagues who reviewed the submitted manuscripts. Their time and energy made this proceedings volume possible. Our sincere thanks go to: Tom Bullen, Ian Cartwright, Jiubin Chen, Attila Demény, Jean-Pierre Girard, Wolfram Kloppmann, Bernhard Mayer, Neus Otero, Martine Savard, Avner Vengosh, Nathalie Vigier and David Widory.

Orléans, June 16th, 2015

Romain Millot and Philippe Négrel
Guest Editors