



**HAL**  
open science

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

Romain Millot, Philippe Négrel

► **To cite this version:**

Romain Millot, Philippe Négrel. Introduction to the Special Issue of *Procedia Earth and Planetary Science*: AIG-11-Applied Isotope Geochemistry Conference. *Procedia Earth and Planetary Science*, 2015, 13, pp.1 - 2. 10.1016/j.proeps.2015.07.077 . hal-03699679

**HAL Id: hal-03699679**

**<https://brgm.hal.science/hal-03699679>**

Submitted on 20 Jun 2022

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

11th Applied Isotope Geochemistry Conference, AIG-11 BRGM

## Introduction to the Special Issue of Procedia Earth and Planetary Science:

### AIG-11-Applied Isotope Geochemistry Conference



Romain Millot and Philippe Négrel

*BRGM, Laboratory Division - Orléans, France*

---

© 2015 Published by Elsevier B.V. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

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

The 11<sup>th</sup> 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 11<sup>th</sup> 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 16<sup>th</sup>, 2015

Romain Millot and Philippe Négrel  
Guest Editors