

Position of Professor in Environmental Isotope Geochemistry

Permanent position

Starting date: September 1, 2023

Section CNU: 35 and 36

Location : CEREGE – OSU Pythéas – Aix-Marseille Université, Aix-en-Provence, France

URL : www.cerege.fr

Specific skills required:

The person recruited will have to master one or more of the disciplinary fields described below in the teaching and research components, and will have to be integrated into the teaching and research teams. Furthermore, the candidate is expected to be motivated and committed to assuming pedagogical, scientific or administrative responsibilities within CEREGE and OSU Pythéas (responsibilities for teaching or training programs, monitoring of research projects, support of young MCF recruits, scientific and pedagogical leadership at the laboratory and component levels).

Teaching:

The person recruited will be in charge of leading a stimulating and innovative teaching in the field of Earth Sciences at the level of undergraduate (Licence Sciences de la Vie et de la Terre) (<https://sciences.univ-amu.fr/fr/formation/licences#section-2461>) and graduate (MasterSTPE) (<https://masters.osupytheas.fr/formations/master-stpe/>), and also of the professionalizing courses we offer such as the CMI (Geology of resources and sustainable development) (<https://formations.univ-amu.fr/fr/Autre/CMIAMU/PRCMI5ST>).

In addition to the teaching in isotopic geochemistry (fundamental and applied), the aspects of water resources and cycle, preservation and adaptation will be considered with interest. Proposals for training related to experimental and quantitative approaches based on the laboratory's analytical facilities are expected.

Research:

The CEREGE AMU/CNRS/IRD/INRAE/Collège de France wishes to recruit a professor to conduct dynamic research at the international level with recognized expertise in the field of isotope geochemistry applied to the characterization of natural and/or anthropized environments, which will contribute to or expand in a complementary manner the research themes represented in the laboratory on these topics.

The applications could concern the tracing of water sources and transfers in underground and surface environments (critical zone, surface water-atmosphere and soil-plant-atmosphere interfaces), the tracing of alteration mechanisms, the tracing of climatic processes at large-scale (ocean circulation and paleocirculations, paleohydrology, climatic forcing and paleoclimates), on geochronology or on the tracing of pollutant sources, or of fluid/rock interactions, or on aspects related to the hydrosphere in the broad sense.

To characterize the targeted processes, analytical developments are encouraged, ranging from isotope geochemistry to biogeochemistry in general. The candidate will be able to draw on the laboratory's extensive analytical resources (<https://www.cerege.fr/fr/equipements>). He or she will have demonstrated the ability to produce original, leading research and to attract external funding.

Further information:

Enquiries on research profile Lucilla Benedetti benedetti@cerege.fr

Enquiries on teaching aspects Bertrand Devouard devouard@cerege.fr

Applications should be submitted on the Galaxie website, from February 23 to March 30, 2023:

<https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/candidats.html>