



# VOLTAIRE Post Doctoral Positions

*The Laboratory of Excellence VOLTAIRE 2 will fund post doctoral positions in the following fields, with priority given to topics of WP2 and WP3.*

## **WP 1- Fluids in shear zones, magmas and, hydrothermal systems, and sedimentary basins**

- The interactions between deformation and deep fluid transfers
- The building and functioning of magma reservoirs, including their degassing, and their role on resources
- Simulation of reactive transfer of fluid through solid media at various spatial scales
- *Economic Impacts: energy transition and mineral resources\**

## **WP 2- Degassing from the continental geobiosphere**

- Role of hydric factors on the dynamic of degassing
- Quantify the fluxes of indirect emissions of GHG related to distal hydrosystems
- Role of changing redox conditions of the soils (microbial activity)
- Functioning of the critical zone
- *Economic impacts: valuing environmental damages and services\**

## **WP 3 – Impacts of reactive emissions from volcanoes and fires on the atmosphere**

- Volcano emissions
- Vegetation fires
- *Economic impacts: carbon valuation and mitigation policies\**

Interested persons should send their application to Bruno Scaillet, head of the LabEx ([bruno.scaillet@cnrs-orleans.fr](mailto:bruno.scaillet@cnrs-orleans.fr)) by the end of **September 2020**. The executive committee of the Labex will make the selection procedure based on previous achievements of candidates, and compatibility of proposed projects with the Labex's topics. Results will be communicated to the applicants at the end of 2020. Positions will start as soon as possible. The details of Labex organization and scientific activities can be found at :

<http://labex-voltaire.prod.lamp.cnrs.fr/home-page/>

Along with their CV and track record, candidates should propose a research project (2-3 pages) which includes the methodology(ies) they want to implement. They should also provide names of scientists for reference. Projects are expected to use the various experimental and analytical facilities hosted by the laboratory partners and address one of the scientific issues listed above. Positions are for 1+1 year, and depending on results, can be prolonged (expected to lead to CNRS or University permanent positions).

In addition to salary (fixed according to candidate's experience and French's rules), the LabEx will provide funding to carry out research activities (laboratory expenses, participation to meetings, etc.).

\* The candidates interested in the *Economic Impacts (WP 1, WP 2, WP 3)*, can contact previous to submitting their application, the research team "International Economics and Sustainable Development" (contact: Pr. Camélia Turcu - [camelia.turcu@univ-orleans.fr](mailto:camelia.turcu@univ-orleans.fr)) of the Laboratoire d'Economie d'Orléans (LEO) FRE CNRS 2014 : LEO is part of **Laboratory of Excellence VOLTAIRE 2**.