

Dpt: Direction Milieux et Impacts sur le vivant (MIV)

Unit: Accompagnement à la SURveillance de la qualité de l'air et des eaux de surface (ASUR)

Location: Verneuil en Halatte, France (60km north of Paris)

Deadline for application: 17/11/2021

Application: ineris-940444@cvmail.com

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Context

INERIS provides expertise and technical support to the French Ministry of Environment and to various public and private operators. Considering air quality, the Institute implements, tests or develops methodologies for characterizing atmospheric pollution, in close collaboration with regional monitoring networks (AASQAs) and academic partners (<https://www.lcsqa.org/fr/le-dispositif-cara>). INERIS is also strongly involved in the construction of the European Research Infrastructure on Aerosol, Clouds and Trace gases at national and European level (<https://www.actris.eu>).

Position

In this context, you will be responsible for supporting AASQAs and European research observatories for the implementation of online PM chemical monitors, in particular the Aerosol Speciation Chemical Monitor (ACSM). As such, you will notably assume the role of instrumental and data qualification expert of the ACMCC topical center unit within the ACTRIS central facility for in-situ aerosol measurements (<https://www.actris-ecac.eu/>). This activity includes optimizing procedures and methods for ACSM quality assurance/control and developing new air quality monitoring strategies. You will also participate in specific research projects for a better understanding of the sources of atmospheric particles (e.g., implementation of experimental studies, data processing, source apportionment tools).

Moreover, you may participate in harmonization and standardization efforts at French, European and international levels.

These missions may require travel in France and abroad.

Background

- Graduate engineer or doctor, with scientific knowledge and technical skills in aerosol chemical speciation, including real-time measurement techniques, with at least 3 years of experience.
- Very good knowledge of aerosol mass spectrometers and experience in their implementation in the field (research or operational stations).
- Technical curiosity and experimental rigor allowing the optimization of the calibration and quality control procedures, and the evaluation of the performance of new instruments.
- Teamwork and knowledge transfer abilities.
- Involvement in the international scientific community.

Application

Send a motivation letter and CV @ ineris-940444@cvmail.com (preferably before 17/11/2021).