**Job offer for a 2023 permanent contract - Open Source Software Development for Environmental Noise Mapping - 1 year, (e.g. renewable for 2 years)**

**Job location**: Nantes at UMRAE (Université Gustave Eiffel - CEREMA)

**Job title**: Open Source Software Developer for Environmental Noise Mapping.

**Recommended level**: Master (M2) - Engineer

**Skills required:**

Java programming skills required to participate in a collaborative development project (git). Additional skills in geomatics or acoustics would be an appreciated advantage.

**Description:**

This position is part of the NoiseModelling project, a free, open-source software tool for producing environmental noise maps. NoiseModelling, part of the noise-planet.org suite of software for environmental acoustics, is used in a variety of applications such as assessing the impact of noise on human health and land-use planning.

**Job objective:**

This fixed-term contract offers an exceptional opportunity to work at the heart of the NoiseModelling project. The post holder will be involved in advanced IT tasks, such as modifying numerical calculation schemes, integrating the software into QGIS, developing GitHub Actions, creating a native NoiseModelling library for C and Python, and other technical challenges. By participating in collaborative work, the incumbent will explore the fields of geomatics and acoustics, consolidating his/her Java programming skills. Expected results include a significant contribution to the development of NoiseModelling and the successful completion of advanced computing tasks.

**Opportunities :**

- Participation in a leading open source project.
- Development of skills in Java, geomatics and open source software.
- Interaction with experienced researchers and professionals for a positive impact on society.

**Work environment:**

- The incumbent will evolve in a dynamic and stimulating environment, within a research laboratory specialized in environmental noise modeling. He/she will have the opportunity to interact with experienced researchers and professionals, thus contributing to a project of societal importance.

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