



Project scientist of a research team on regional carbon budgets with satellite data

Young Scientist / Engineer permanent position

The Laboratoire des Sciences du Climat et de l'Environnement (LSCE) and ATOS are looking for a junior project scientist to be hired as a permanent position by ATOS and based at LSCE, to organize the day-to-day work of a team of young scientists at LSCE working with ATOS engineers on new tools to quantify regional carbon budgets using satellite imagery data.

Background

LSCE and ATOS are creating a combined research team to develop advanced methods for monitoring CO₂ emissions and vegetation carbon sinks using satellite and field observations. Artificial intelligence and atmospheric data assimilation methods will be used. The most promising research results will be taken up by ATOS to develop a new line of climate services. We seek to hire a young data scientist who will be able to support and co-supervise the developments of models by the team members, and help organize the day to day work and interactions in the team, in close coordination with LSCE and ATOS staff.

Overall aim

The project scientist will work closely with two PhD students and three young researchers / engineers hired in the project to assist and help to optimize the development of their codes. He/she will liaise with LSCE researchers and ATOS engineers to develop prototypes of climate services aiming at providing science-based tools to monitor the carbon balance of different regions.

Requirements

- Experience of research projects
- Programming skills, preferably in Python, Fortran
- Understanding of statistics, remote sensing, and artificial intelligence

Selection Criteria:

- Experience of project organization and supervision of young researchers & students
- Autonomy, ability to work in a team and time management skills.
- Experienced in multidisciplinary team-based activities with the ability to effectively communicate with colleagues and with staff from the partners of a project.

What ATOS and the LSCE can offer you:

LSCE <https://www.lsce.ipsl.fr>

Is a world-class research laboratory established and a collaboration between CEA, CNRS and the University of Versailles Saint-Quentin (UVSQ). It is part of the Institute Pierre Simon Laplace (IPSL). LSCE hosts approximately 300 researchers, engineers and administrative staff including many PhD and master's students. This project will provide the employee with the opportunity to work directly on advanced methods with researchers from the LSCE and other institutions. The purpose of this joint position between LSCE and ATOS is to develop R&D. Location: about 20 km from the heart of Paris, in the Orme des Merisiers green area.

ATOS www.atos.net

Is a global leader in digital transformation with 105,000 employees and annual revenue of over € 11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Contract duration: Permanent staff position at ATOS

Starting date: The position is available from Jan 2022 and will remain open until filled. The expected start of the position is April 2022.

Salary: Competitive salary, full social and health benefits, commensurate with work experience.

How to apply: Applicants should submit a complete application package by email to the contacts below. The application package should include (1) a curriculum vitae including e.g. recent publications / projects, (2) statement of motivation (3) answers to the selection criteria above (4) names, addresses, phone numbers, and email addresses of at least two references.

Contacts

philippe.ciais@lsce.ipsl.fr

frederic.chevallier@lsce.ipsl.fr

laurent.clergue@atos.net