

## **Postdoctoral position in Lidar Applications to Ocean Color**

The “Remote Sensing and Hydrodynamics” team of the Laboratory of Oceanology and Geosciences (Wimereux, France) invites applicants for a postdoctoral position in active remote sensing of the ocean color.

The successful candidate will participate in a project funded by the European Space Agency (ESA) led by LOG on a project of a space-borne oceanic profiling lidar mission.

The candidate will have to participate in different work packages of the project which started in September 2025 for a two-year period. In details, the candidate will have:

- To conduct a review, based on scientific literature, technical reports and other evidence, to establish State of the Art for satellite LIDAR applications in the scientific and operational ocean domains
- To define quantitative user needs for a potential Ocean Lidar Mission
- To define preliminary requirements and assumptions for Level-1b parameters
- To define preliminary requirements and assumptions for Level-2 geophysical parameters to be derived from Level-1b observations
- To define preliminary analysis of Level-1b and Level-2 uncertainty requirements in order that useful Level-2 parameters can be derived to satisfy user needs.
- To define case studies to test a lidar simulator
- To participate to the validation of the lidar simulator
- To participate to the Mission Document Definition
- To participate to the definition of the future roadmap

**Qualifications:** PhD degree in remote sensing. Expertise in lidar is ideal. Knowledge in ocean optics or oceanography.

**Technical skills required:** Programming (matlab, python, C), lidar data processing, satellite imagery processing, statistical analysis skills.

**Application closure date:** Until the position is filled

**Start date:** From July 2026 (at the earliest). More likely in September

**Position Length:** 18 months

**Salary:** depending of experience. From 2500€ gross.

**Location:** LOG, 32 avenue Foch, 62930 Wimereux, France

**Applicants must submit:**

- A detailed CV, including the e-mail and phone number for three references
- A short cover letter explaining the applicant's experience related to the position and motivation
- Two names of reference

**For question and application's submission, please contact:**

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