IFREMER Brest

Département Dynamiques de l'Environnement Côtier (DYNECO) Laboratoire Physique Hydrodynamique et Sédimentaire (PHYSED)

http://www.ifremer.fr/dyneco

Permanent position

Starting date

Early 2011

Research scientist in coastal operational oceanography and applications

The position is set within the Physics and Sediment Dynamics laboratory, part of Ifremer Coastal Dynamics Department. This laboratory manages the Ifremer component of the pre-operational system PREVIMER (http://www.previmer.org), which provides users with observations and forecasts of the coastal environment. The successful candidate will contribute to Ifremer Operational Oceanography (OO) program and will work in close cooperation with PREVIMER project manager. He/she will participate in implementing the Coastal Operational Oceanography (COO) system and will be in charge of designing new developments and applicative products aiming at addressing coastal environment management issues.

The successful candidate will particularly focus its activities on:

- Designing and developing applied products and services derived from PREVIMER modelling outputs, in order to support Ifremer « Environment and Marine Resource Laboratories » (regional Ifremer departments spread along the French coasts) and public local authorities or industries. This task will be carried out in cooperation with actors of the socio-economical sector (such as "*Pôles Mer Bretagne and PACA*" organizations aiming at transferring research outcomes to the economical sector).

- Developing and promoting the use of COO products (such as climatologies, re-analyses) for the Marine Strategy Framework Directive reporting requirements.

- Implementing specific COO applications related to the coastal environment, ecosystems and living resources (e.g. fishing, aquaculture), and public management of the coastal domain;

- Participating in EuroGOOS activities, within the regional working groups dedicated to the Atlantic Ocean and Mediterranean Sea (NOOS, IBIROOS and MOON).

- Participating in the MyOcean project to define interfaces and requirements between COO and the GMES Marine Core Service.

The candidate will contribute to define and develop a National Coastal Operational Oceanography system (SNOCO)**.**

Education

PhD or engineering degree in (coastal) oceanography or related field.

Professional experience

3 to 5 years in a research laboratory or consulting company in coastal oceanography or coastal zone management.

Personal skills

Liking for team work and for relationships with the economical sector.

Communication skills

Required technical skills

Coastal oceanography, coastal environment monitoring, environmental data management.

Ocean modelling tools, techniques and applications; hindcast and predictive simulations, operational system management.

Excellent synthesis and writing skills

Fluent English required