

2-year post-Doctoral position (“GlobPHY” project)

A 2-year post-doctoral position is proposed (with a start in March 2007) at the Laboratoire d’Oceanographie de Villefranche, LOV, within the “Marine optics and remote sensing” group (see at <http://www.obs-vlfr.fr/LOV/OMT>). Our group today is composed of 7 scientists, 4 engineers and a dozen of Post-Docs, Phds and trainees. We are embedded into the “Observatoire Oceanologique de Villefranche” (<http://www.obs-vlfr.fr>).

The proposed post-doctoral position develops within the “GlobPHY” project, which is a joint effort between our institution and the Laboratoire des Sciences du Climat et de l’Environnement (LSCE, Paris) and the Universite du Littoral (Wimereux, France).

The main goal is the interpretation of recent decadal changes of the global ocean phytoplankton biomass, as they were recently observed from ocean color remote sensing observations (*cf.* Antoine *et al.*, 2005, JGR, 110, C06009, doi:10.1029/2004JC002620). The project will combine ocean color remote-sensing observations (CZCS-SeaWiFS-MERIS), other remote-sensing observations (SST, winds), and outputs from weather forecasting models (ECMWF, NCEP). It will also make use of simulations by 1D- and 3D- ocean models, all together trying to explain the observed evolutions of the global ocean phytoplankton biomass.

The objective of the post-Doc research activity is to analyze contemporaneous time series of various parameters that have possibly caused the observed change in ocean color (e.g., winds, temperature, irradiance etc.), in order to determine whether or not coherent signals are appearing over the past two decades. The next step is to use a 1D-model (a coupled physical-biological-chemical mixed-layer model) in order to understand the dramatic changes observed in some areas in the phytoplankton seasonal cycles.

Candidates should be suitably qualified (PhD level) in oceanography and the analysis of large data bases of satellite remote sensing observations, including the necessary computer skills.

The net salary is about 1700 Euros per month. The location is in Villefranche/mer, near Nice on the French Riviera (<http://www.villefranche-sur-mer.com>). The funds are provided by the “Agence Nationale pour la Recherche” (ANR), and the employer is CNRS/INSU.

CVs accompanied by the appropriate covering letter, as well as requests for additional information, are to be sent to David Antoine, project PI, at antoine@obs-vlfr.fr, with copy to dortenzio@obs-vlfr.fr (with “GLOBPHY-Position” in the subject line).