

Postdoctoral position on ENSO research at LOCEAN/IPSL, Sorbonne Université, Paris

One postdoctoral position in climate research is open at LOCEAN/IPSL (Sorbonne University/CNRS/IRD/MNHN) as part of the ARiSE project (nonlinear Atmospheric Response to Sea surface temperature for a physically consistent ENSO paradigm), funded by ANR (Agence Nationale pour la Recherche). The successful applicant will work with Drs. J. Vialard, M. Lengaigne and E. Guilyardi. Strong El Niños such as those of 1982-83, 1997-98, 2014-15 have outsized societal effects at the global scale. Recent research seems to indicate that the non-linearities of the atmospheric convective response to SST anomalies plays an essential role in those events. The objective of the ARiSE project is to better describe those atmospheric non-linearities and how they impact the ENSO phenomenon, its predictability and how they are represented in state-of-the art climate models. The successful applicant will use the CNRM-CM6 coupled general circulation model, both in atmospheric and coupled mode, as well as observational and CMIP5/CMIP6 database analyses. The project will involve collaborations with Pr. Nick Hall & Dr. B. Dewitte (LEGOS, Toulouse) and Dr. A. Volz (CNRM, Toulouse). A PhD in physical oceanography, atmospheric sciences or climate dynamics is required. Previous experience with ocean, atmospheric or climate GCMs is necessary. Funding is currently available for two to three years. Successful postdoctoral candidates can begin their program from June 2019 onward, and will be based at the Pierre et Marie Curie campus of Sorbonne University, in the heart of Paris. The post-doctorate will be recruited with a net monthly salary in the 2100-2900 euros range, commensurate with experience. This includes social services and health insurance.

Postdoctoral applicants should email a CV, a statement of research interests, one reprint or preprint, and the names of three referees to Dr. Jérôme Vialard (Jerome.vialard@ird.fr ; subject: ARiSE postdoctoral search). Review of applications will start immediately and continue until the positions are filled. Shortlisted candidates will be contacted.