



## CALL FOR APPLICATIONS

The Ocean-Atmosphere Interaction Group (IOA) ([grupo-ioa.atmosfera.unam.mx](http://grupo-ioa.atmosfera.unam.mx)) from the Centre of Atmospheric Sciences at Universidad Nacional Autónoma de México (UNAM) has a postdoctoral researcher position within the project “Implementation of Oceanographic Observation Networks” funded by the *National Council of Science and Technology of Mexico (CONACyT) – Mexican Ministry of Energy (SENER) – Hydrocarbon Trust, Project 201441* (<http://www.cigom.info/>). The postdoctoral researcher is expected to work on developing a comprehensive system of numerical modelling capable of generating scenarios and assessing the consequences and impacts of possible ocean oil spills in the Gulf of Mexico. The fixed term for the position will be for a year renewable for one more year subject to availability of funding sources. The salary is based on the guidelines established by UNAM for postdoctoral fellowships.

The IOA group does research in fields such as ocean-atmosphere interaction, climate, atmospheric and ocean dynamics, and numerical modelling. The group also work with weather, ash trajectory, ocean circulation, storm surge, and wave operational forecasts.

### **I. Activities contemplated**

The postdoctoral researcher will work on ocean modelling in the Gulf of Mexico with the HYbrid Coordinate Ocean Model (HYCOM).

### **II. Candidate Profile**

- ✓ PhD degree in physical oceanography, atmospheric sciences or related fields, with no more than three years from the date of obtaining degree at the start date of the postdoctoral research.
- ✓ Published work in peer-review journals of international prestige.
- ✓ Experience in oceanic, atmospheric and/or biogeochemical modelling.
- ✓ Unix and programming experience (e.g. Matlab, Python, C)
- ✓ The ability of multi-task, deliver within project timelines, and work with a dynamic research team.

For the official application candidates must prepare a single file in pdf format containing the following documents.

- ✓ Proof of PhD degree (where the date of obtaining the degree is shown).
- ✓ Curriculum vitae (detailed).
- ✓ Letter of motivation (free format).
- ✓ Two academic reference (name, university/institute, position, relationship to you, and email).

### **III. General conditions**

- ✓ The scholarship related to this announcement will be awarded to the candidate who, after being evaluated, satisfactorily fulfils the requirements and experience required.

### **IV Deadline**

- ✓ Applications deadline is May 25th, 2018. The applicants must send their complete documents to Ms. Angélica Pedraza-Díaz ([apedraza@atmosfera.unam.mx](mailto:apedraza@atmosfera.unam.mx)) with copy to Dr. Jorge Zavala-Hidalgo ([jzavala@atmosfera.unam.mx](mailto:jzavala@atmosfera.unam.mx)).
- ✓ The candidates will be contacted via email on late May to be interviewed personally or by video conference.
- ✓ The starting date to this position will be early June 2018.