

ANNOUNCEMENT
POGO-SCOR Visiting Fellowships for 2008
for Oceanographic Observations

The Partnership for Observation of the Global Oceans (POGO) and its partner, the Scientific Committee on Oceanic Research (SCOR), announce the Fellowship Programme for 2008. This programme is designed to promote training and capacity building leading towards a global observation scheme for the oceans.

Who can apply?

This fellowship program is open to scientists, technicians, graduate students (PhD) and Post Doctoral Fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.

What does the fellowship offer?

It offers the opportunity to visit other oceanographic centres for a short period (1 to 3 months) for training on any aspect of oceanographic observations, analyses, and interpretation.

What are the Priority Areas?

Priority will be given this year to applications that deal with any of the following topics:

- Argo Floats
- Fixed-Point Time-Series Observations
- Large-scale, Operational Biological Observations including Biodiversity
- Emerging Technologies for Ocean Observations
- Data management
- Coastal observations/ Coastal Zone Management
- Ocean and coastal modelling

What are the terms?

1. The fellowship will provide international airfare and subsistence allowance for the fellowship period (the actual amount will be tailored to meet local conditions, but will not exceed US \$ 1,300 per month).
2. The trainee's institute will bear all expenses incurred by the fellow in his/her own nation (domestic travel, visa costs, etc.), and the host institute will waive any bench fees that they may normally charge trainees.
3. POGO does not cover any of the expenses related to the training itself.

More details regarding the terms of fellowship are provided in the application form.

How does one apply?

Fellowship applicants should complete and submit the application form given below. Only applications that are complete in all respects will be considered for the Fellowship.

Deadline: The deadline for the next round of applications is **April 15, 2008**.

APPLICATION FOR POGO-SCOR FELLOWSHIP
APPLICANT INFORMATION

NAME: Shigalla Bassanda Mahongo
POSITION: Research Officer
INSTITUTION: Tanzania Fisheries Research Institute (TAFIRI)
MAILING ADDRESS: P.O. Box 9750, Dar es Salaam, Tanzania
E-MAIL ADDRESS: shigalla@yahoo.co.uk, mahongo@hotmail.com
TELEPHONE: +255 22 2650043 FACSIMILE: +255 22 2650045

SUPERVISOR AT APPLICANT'S PARENT INSTITUTION

NAME: Dr. Benjamin Ngatunga
INSTITUTION: Tanzania Fisheries Research Institute (TAFIRI)
MAILING ADDRESS: P.O. Box 9750, Dar es Salaam, Tanzania
E-MAIL ADDRESS: bpngatunga@yahoo.co.uk, tafirihq@yahoo.com
TELEPHONE: +255 22 2650045 FACSIMILE: +255 22 2650043

Letter of Recommendation from Supervisor Attached: Yes No

SUPERVISOR AT APPLICANT'S HOST INSTITUTION

NAME: Dr. Javier Zavala-Garay
INSTITUTION: Institute of Marine and Coastal Sciences, Rutgers University
MAILING ADDRESS: 71 Dudley Rd, New Brunswick, NJ 08901-8521, USA
E-MAIL ADDRESS: jzavala@marine.rutgers.edu
TELEPHONE: +1 732 932 3433 FACSIMILE: +1 732 932 8578

Letter of Acceptance at Host Institution Attached: Yes No

Important: Acceptance letter to indicate reasonable monthly stipend amount for living expenses (not to exceed 1,300 USD).

Title of proposed training activity:

Modelling the dynamics of the Zanzibar Channel, Tanzania

Description of training solicited:

I am soliciting a general introductory training on the use of the Regional Ocean Modelling System (ROMS), as well as specific training with the aim of developing further and eventually using the recently set up ROMS model of the Zanzibar Channel. Further developments of the Channel model include obtaining realistic forcing at the boundaries from an already available large-scale model, obtaining forcing from a tidal model such as ADCIRC, and generation of surface forcing files from nearby meteorological stations and/or atmospheric reanalyses such as NCEP2 or ERA40. This realistic forcing will allow refining the model configuration by comparing the model output with all the available observations. Results from the final configuration will help in deciding where observations should be taken in the future so as to optimize the available resources.

Relevance to ongoing or planned programmes at the parent institution and links to GOOS initiatives:

One of the major activities of GOOS-Africa includes the Regional Ocean Observing and Forecasting System for Africa (ROOFS-AFRICA), which entails the development of regional modelling and forecasting capabilities. Two major programmes in which TAFIRI is involved include: (a) IOC/UNESCO Capacity Building Programme for the Western Indian Ocean Region (b) NSF-funded Zanzibar Channel Project, a collaborative research initiative between Theiss Research (US), IOC/UNESCO, local research institutions and other organizations. The Zanzibar Channel Project already set up ROMS model of the Zanzibar Channel in 2007 and if NSF continues its funding, Dr. Zavala-Garay will regularly visit Tanzania from 2009 to 2011. The training would therefore enable me to effectively contribute to GOOS initiatives and these two programmes.

Academic qualifications and professional experience of the applicant relevant to the training:

Professional experiences include tidal analysis and prediction, bulk parameterization of sensible and latent heat fluxes at Chwaka bay in Zanzibar (Tanzania), radiative heat exchanges between the ocean and the atmosphere (also at Chwaka bay), and sediment hydrodynamics of the Zanzibar Channel. I have also conducted studies on seasonal sea level variations at the Island of Zanzibar using meteorological and sea level data, and have analyzed sea level trends in the western Indian Ocean. Lastly, I have attended training courses/workshops on (a) modelling and monitoring of coastal marine processes (b) computer modelling applications in coastal waters (using MIKE21), and (c) numerical modelling on tsunami sources, propagation and inundation.

How will the training contribute to sustained capacity building at the parent institution?

The above-mentioned GOOS-Africa initiatives and the two programmes all have the goal of building capacity in coastal modelling. The Zanzibar Channel Project in particular has contributed towards this goal by recently setting up a ROMS model of the Zanzibar Channel. Although this project enjoys much support from international coastal modelling experts, it lacks local experts. These are, however, crucial to help develop further the still highly idealized model and eventually use it to address local issues such as pollution, beach erosion, and coral reef health. The solicited training would allow me to become such a much needed local expert and thus to ensure the Zanzibar Channel Project addresses exactly what is of great local concern and to contribute in general to capacity development initiatives in coastal modelling.

Proposed duration of training: One month

Preferred dates of training: 16 July - 15 August, 2008

Estimated cost of economy return international air travel from parent country to host institution: US \$ 1,460

Please limit descriptive sections to about 100 - 150 words, & use font sizes of 10 pt or larger.

Please send electronic versions of completed applications and attachments by

e-mail: pogo@mba.ac.uk or FAX: +44 (0) 1752 633 102

In addition, mail signed originals to: Liz Humphreys, POGO-SCOR Fellowship

The Marine Biological Association, The Laboratory,
Citadel Hill, Plymouth, Devon, UK PL1 2PB

The terms of the Fellowship

1. The fellowship will provide international airfare and subsistence allowance for the fellowship period (the actual amount will be tailored to meet local conditions taking into consideration the advice from the host supervisor, but will not exceed US\$1,300 per month).
2. The trainee's institute will bear all expenses incurred by the fellow in his/her own nation (domestic travel, visa costs, etc.), and the host institute will waive any bench fees that they may normally charge trainees.
3. The trainee and the supervisors at the parent and host institutes are requested to provide a short progress report at the end of the training period, to evaluate the success of the fellowship programme.
4. POGO does not cover any of the expenses related to the training itself.
5. POGO assumes no responsibility for compensation in the event of sickness, accident, death or disability of a Fellowship holder, nor does it arrange for insurance of a trainee or reimburse premiums paid therefore.
6. The trainees are not considered agents or members of the staff of POGO, and shall not be entitled to any privileges, immunities, compensation or reimbursements, except as otherwise provided herein, nor are the trainees authorised to commit POGO to any expenditure or other obligation.

Review Process

Representatives from POGO and SCOR will review the applications.

In their decision-making, the Selection Committee will consider the following points:

1. Quality of the application;
2. Relevance of the application to the priority areas identified in the Fellowship Announcement;
3. Evidence that the training will lead to improved sustained observations in the region, or improved applications of such data;
4. Evidence that the training will lead to capacity-building with potential lasting impact on regional observations; and,
5. The need to maximise regional balance in distribution of the awards.

All applicants will be informed of the decision about two months after the deadline for applications.