

Report on the POGO-IOC-SCOR Fellowship Programme, 2002

The fellowship programme was implemented with financial support from IOC and SCOR. The announcement went out in April, and the competition was open for two months. In total 22 applications were received. Applications were received from Argentina, Bangladesh, China, India, Kenya, Pakistan, Russia, South Africa, and Turkey.

The priority areas in 2002 were:

- Argo Floats
- Fixed-Point Time-Series Observations
- Biological Observations
- Emerging Technologies for Ocean Observations

The applications were screened independently by a committee of three, with representation from SCOR, IOC and POGO. In making their selection, the committee considered the following factors:

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 capacity-building with potential lasting impact on regional observations; and,
4. The need to maximise regional distribution of the awards.

This year, thirteen fellowships were offered to oceanographers from developing countries and economies in transition. The host institutions were in North America, Europe and Australia. All have been accepted; some of the visits have been completed. We acknowledge the efforts from all the supervisors and colleagues at the various host institutions who agreed to devote time and energy required for the training. The programme would not have been viable without such efforts from prominent scientists and their teams.

In some instances, the participants felt that the POGO fellowship was insufficient to cover reasonable expenses for food, lodging and transport. Otherwise, the responses have been overwhelmingly positive. All the people involved in each Fellowship (the Fellowship holder, the supervisor at the parent institute and the supervisor at the host institute) were requested to submit short reports at the end of the training period. So far, the reports received have been very encouraging. They indicate that these exchanges should lead to effective capacity building in the host institute and facilitate longer-term collaborations between the institutes concerned. All conclude that the programme serves a useful purpose. To quote a host supervisor from the USA:

“The programme is an excellent way of enabling students from Argentina and other such countries to visit and train away from their home institutions. It not only broadens their experience in the scientific side of their education, but it also provides an important opportunity to learn how education and research are conducted in other countries. The programme has my strongest support.”

There is tremendous interest in the Programme at all levels, both in the oceanographic institutions of the developing nations, as well as among leading scientists who are eager to contribute to this initiative. It is seen to be filling a niche in capacity building through specialised training that is not filled by intensive courses or participation in scientific meetings. It helps build an *esprit de corps* among oceanographic institutions around the world, and serves as a stepping stone to building collaborations.

The co-sponsors of the programme – IOC and SCOR – have both indicated that the programme continues to fill a useful niche, and plan to continue their participation in it. Some concern was expressed that the number of applications dropped considerably compared with last year. It has been resolved to advertise the announcement for 2003 more widely. The need to serve the needs of GOOS has been emphasised.

The day-to-day matters regarding the execution of the Fellowship Programme were handled by Tony Payzant in the POGO Secretariat. Those involved in the programme have been very complimentary regarding the efficient handling of these matters by Tony.

Demography of fellowships

Parent Institutions of Successful Candidates:

Argentina: Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)
India: Central Institute of Fisheries Technology
India: National Institute of Oceanography (NIO)
India: Space Applications Centre
Kenya: Kenya Marine & Fisheries Research Institute
Pakistan: National Institute of Oceanography
Russia: Russian Federal Institute of Marine Fisheries & Oceanography (VNIRO)
Russia: P.P. Shirshov Institute of Oceanology
South Africa: University of Cape Town
Turkey: Middle East Technical University

Host Institutions:

Australia: Griffith University
Canada: Bedford Institute of Oceanography
Canada: Institute of Ocean Science
Canada: University of Guelph
France: Laboratoire des Sciences du Climat et de l'Environnement
France: Institut de recherche pour le développement (IRD)
Spain: Institut de Ciències del Mar
Germany: Alfred-Wegener-Institut
USA: Institute of Ecosystem Studies (IES)
USA: University of Hawaii
USA: University of North Carolina

Gender distribution

Female: 6; Male: 7

POGO-IOC-SCOR JOINT FELLOWSHIP PROGRAMME

SUCCESSFUL CANDIDATES - 2002

Eugenia Bogazzi - Argentina

Mrs. Bogazzi is in a doctoral program at Universidad Nacional del Comahue, Argentina. Her dissertation topic concerns the dynamics of harvested populations of the Patagonian scallop (*Zygochlamys patagonica*) as related to overlaying frontal systems.

She will be undergoing training on computational approaches to numerical modelling of physical processes and their interactions with biological processes at the Marine Sciences department of the University of North Carolina - Chapel Hill, under the supervision of Dr. Francisco Werner. Duration of the training will be one month.

Tulay Cokacar - Turkey

Ms. Cokacar is a Ph.D. student at the Institute of Marine Sciences, Middle East Technical University. She has been using SeaWiFS data in analysing *Emiliania huxleyi* blooms in the Black Sea.

She will be undergoing training on implementation of an improved atmospheric correction algorithm for SeaWiFS data with regard to mineral dust over the Eastern Mediterranean, under the supervision of Dr. Cyril Moulin at the Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France. Duration of the training will be one month.

Andres Javier Jaureguizar - Argentina

Lic. Jaureguizar is involved in Ph.D. research into fish assemblages at Instituto Nacional de Investigacion y Desarrollo Pesquero (INIDEP).

He will be undergoing training on correspondence between spatial and temporal patterns of fish assemblages as related to environmental patterns, under the supervision of Dr. Kees Zwanenburg at the Bedford Institute of Oceanography, Nova Scotia, Canada. Duration of the training will be two months.

Nuzhat Khan - Pakistan

Ms. Khan is a research officer at the National Institute of Oceanography at Karachi, Pakistan, where she has been studying the effects of persistent organic pollutants (POPs) on marine environments.

She will be undergoing training on state of the art techniques for qualitative and quantitative determination of POPs with the guidance of Professor Des Connell, School of Public Health, Griffith University, Queensland, Australia. Training will be for two or three months.

Konstantin Kirpichev - Russia

Mr. Kirpichev is a researcher at the Russian Federal Institute of Marine Fisheries & Oceanography (VNIRO) in Moscow, Russia. He is a specialist in organic matter in Russia's internal seas.

He will be undergoing training on handling and discussion of methods for the determination of organic matter and nutrients in polar seas, with training provided by Dr. Gerhard Kattner of the Alfred Wegener Institute in Bremerhaven, Germany. Duration of the training will be two months.

Mariela Kogan - Argentina

Ms. Kogan is engaged in Ph.D. thesis research at Argentina's National Institute for Fisheries Research and Development (INIDEP), involving biodiversity of microzooplankton in the Rio de la Plata.

Ms. Kogan will be learning Quantitative Protargol Staining procedures for identification of common marine and estuarine planktonic ciliates. Dr. Denis Lynn of the zoology department at the University of Guelph, Ontario, Canada, will be overseeing Mariela Kogan's training for two months.

Viacheslav V. Kremenetskiy - Russia

Dr. Kremenetskiy is a physical oceanographer with the P.P Shirshov Institute of Oceanology in Moscow. He is interested in mathematical modelling of Black Sea water dynamics.

His fellowship will take him to the Institut de Ciencies del Mar in Barcelona for two months, where he will be studying the relationship between local atmospheric forcing and sea current patterns of the northwestern Mediterranean shelf, under the supervision of Dr. E. Garcia-Ladona.

B. Meenakumari - India

Dr. B. Meenakumari is head of the Fishing Technology Division of the Central Institute of Fisheries Technology at Cochin, India. Her interest lies with the fluctuations of the oil sardine fishery along the southwest coast of India.

Dr. Meenakumari will be undergoing training on recent techniques in Remote Sensing for application to fisheries, both for explaining past fluctuations and to provide optimum future use of fisheries resources. Training is to take place at the Bedford Institute of Oceanography, Nova

Scotia, Canada, under the guidance of Dr. Trevor Platt. Duration of the training will be three months.

Pradeep Ram - India

Mr. Ram is a Ph.D. student specialising in marine microbial ecology. He works at the National Institute of Oceanography (NIO) in Dona Paula, Goa, India.

Under the direction of Dr. Jonathan Cole at the Institute of Ecosystem Studies (IES) at Millbrook, New York, Mr. Ram will be investigating new perspectives and techniques in modelling bacterial mediated organic carbon cycling processes for two months.

Mini Raman - India

Ms. Raman is a scientist with the Space Applications Centre (SAC) of the Indian Space Research Organisation (ISRO) at Ahmedabad, Gujarat, India. She is involved in modeling primary production using ocean colour data.

She will be undergoing training in measurement and analysis of spectral absorption coefficients of marine particulate and dissolved substances for development of regional bio-optical algorithms, under the supervision of Dr. Trevor Platt at the Bedford Institute of Oceanography, Dartmouth, Nova Scotia, Canada. Duration of the training will be three months.

Mathieu Rouault - South Africa

Dr. Rouault is an expert on ocean atmosphere interaction, working in the Department of Oceanography, University of Cape Town. He is interested in the PIRATA (Pilot Research Moored Array in the Tropical Atlantic) project, and is Chair of of the PIRATA-SEE (South-East Extension) committee, which is examining the possibility of extending PIRATA moored ATLAS buoys to the waters off South Africa, Namibia and Angola.

His fellowship will enable him to join the PIRATA FR11 cruise, and receive training in all aspects regarding deployment of the ATLAS system. The training will last approximately one month.

Sergey Vostokov - Russia

Dr. Vostokov is a research scientist at Moscow's P.P. Shirshov Institute of Oceanology. His area of interest is marine phytoplankton productivity and the influences of macro and meso scale hydrodynamic ocean processes.

He will be learning advanced technologies used in biological observations and sample processing, as well as receiving training in remote sensing data analysis, particularly of SeaWiFS data and regional algorithms. Training will be for two months at the Institute of Ocean Sciences, Sidney, British Columbia, Canada, under the supervision of Dr. Jim Gower.

Charles Magori - Kenya

Mr. Magori is a research officer at the Kenya Marine and Fisheries Research Institute in Mombasa, and is the Regional Coordinator for sea-level monitoring in Eastern Africa.

He will be undergoing training at the University of Hawaii Sea Level Center on various aspects of sea-level data acquisition, analysis and interpretation. Training will take approximately three weeks, with the guidance of Dr. Mark Merrifield.

DRAFT ANNOUNCEMENT
POGO-IOC-SCOR Visiting Fellowships for 2003
for Oceanographic Observations

The Partnership for Observation of the Global Oceans (POGO) and its partners, the Intergovernmental Oceanographic Commission (IOC) and the Scientific Committee on Oceanic Research (SCOR), announce the Fellowship Programme for 2003. This programme is designed to promote training and capacity building leading towards a global observation scheme for the oceans.

Who can apply?

This new fellowship program would be open to scientists, technicians, graduate students (PhD) and Post Doctoral Fellows from centres in developing countries involved in oceanographic work. This year, priority will be given to applicants from the Indian Ocean region, involved in, or planning to be involved in, the Indian Ocean GOOS initiatives.

What does the fellowship offer?

It offers the opportunity to visit other oceanographic centres for a short period (1-2 months) for training on any aspect of oceanographic observations, analyses, and interpretation. The fellowship may be extended for a third month in exceptional cases, subject to availability of funds.

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
- Biological Observations
- Emerging Technologies for Ocean Observations
- Data management and distribution

What are the terms?

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\$1,000 per month). 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.

The trainee and the host scientist/institute are requested to provide a short progress report at the end of the training period, to evaluate the success of the fellowship programme.

How does one apply?

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

Deadline: The deadline for the next round of applications is **April 15, 2003**.

Review Process

Representatives from POGO, IOC 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 distribution of the awards.

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