

## **Report on the POGO-IOC-SCOR Fellowship Programme: 2003**

This programme is designed to promote training and capacity building leading towards a global observation scheme for the oceans. There were two main changes to the Fellowship Programme for 2003: (1) we have included data management as a priority area; and (2) priority was given to applicants from the Indian Ocean region, involved in, or planning to be involved in, the Indian Ocean GOOS initiatives.

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 32 applications were received from Albania, Argentina, Bangladesh, Chile, Cuba, India, Indonesia, Iran, Kenya, Mexico, Nigeria, Pakistan, Peru, South Africa, and Turkey.

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, eight fellowships were offered to oceanographers from developing countries and economies in transition. The host institutions were in North America, South America, Europe, India and Australia. This year, we saw emerging South-South exchanges (Iran to India and Peru to Brazil) which are seen as a welcome sign. 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 Australia:

“[The programme] is a fabulous resource for initiating cooperative activities. The application process is greatly simplified by the familiarity of the POGO office with the science being done in its focus areas. I hope the programme will continue indefinitely.”

There is tremendous interest in the fellowship 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.

Tony Payzant has been handling the execution of the programme on a day-to-day basis very efficiently. The reports and comments from the concerned parties have been consistent in their praise of the efficient and prompt handling of all matters by Ms. Payzant.

The co-sponsors of the programme – IOC and SCOR – have both indicated that they are satisfied with the programme.

### **Demography of fellowships**

#### **Parent Institutions of Successful Candidates:**

Argentina: Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)

Chile: Department of Oceanography, University of Concepcion (UdeC)

India: National Institute of Ocean Technology (NIOT)

Indonesia: Agency for Marine Affairs and Fisheries Research

Indonesia: Center for Deep Sea Research, Bogor Agricultural University

Iran: Iranian National Center for Oceanography (INCO)

Pakistan: National Institute of Oceanography

Peru: Instituto del Mar del Peru (IMARPE)

#### **Host Institutions:**

Australia: CSIRO Marine Research

Brazil: Universidad de Sao Paulo

France: SISMER/IFREMER

Germany: Deutsches Ozeanographisches Datenzentrum (DOD)

USA: University of Colorado

USA: University of Washington

USA: Woods Hole Oceanographic Institution

#### **Gender distribution**

Female: 2

Male: 6

## **POGO-IOC-SCOR JOINT FELLOWSHIP PROGRAMME**

### **SUCCESSFUL CANDIDATES - 2003**

#### **Ana Baldoni - Argentina**

Ms. Baldoni's interests lie in database management as applied to the physical oceanography database of Argentina's National Institute for Fishery Research and Development (INIDEP). Her fellowship takes her to IFREMER's National Oceanographic Data Centre (SISMER) at Brest, France for a month of training under the supervision of Dr. Catherine Maillard.

#### **Noel Dominguez - Peru**

Mr. Dominguez is involved in research at the Peruvian Marine Research Institute (IMARPE), working with physical parameters of the Peruvian sea. He will be undergoing training on fixed-point time series observations, supervised by Dr. Edmo Campos of the Instituto Oceanografico at the University of Sao Paulo, Brazil. Duration of the training will be two months.

#### **Jonson Lumban Gaol - Indonesia**

Mr. Gaol is involved in doctoral level studies at Bogor University's Marine Technology Program, with a strong interest in satellite imagery of the Indian Ocean. His fellowship will be used for three months of training in state of the art remote sensing technology and data analysis, under the supervision of Dr. Robert Leben at the Colorado Center for Astrodynamics Research, University of Colorado, USA.

#### **Bagus Hendrajana - Indonesia**

Mr. Hendrajana is a researcher at Indonesia's Agency for Marine Affairs and Fisheries Research, and has become involved in Argo float deployment. His fellowship took him to CSIRO Marine Research at Hobart, Australia, where he took part in two months of training involving processing and analysis of Argo float data, satellite SST and ocean color data. The host supervisor at CSIRO was Dr. Helen Phillips.

#### **Majid Naderi - Iran**

Mr. Naderi conducts research at the National Oceanographic Data Centre of the Iranian National Center for Oceanography (INCO). The fellowship enabled him to attend a hands-on training programme on data acquisition, metadata, data formatting and archiving, and quality control at Germany's national oceanographic data center, the Deutsches Ozeanographisches Datenzentrum (DOD), under the supervision of Dr. Friedrich Nast. The duration of the training was two months.

Pamela Rossel - Chile

Ms. Rossel is involved in estimates of sea surface processes using geochemical proxies in sediment traps and sediments at the University of Concepcion. She is taking part in two months of training in time-series sediment trap operations and analyses of molecular proxies at Woods Hole Oceanographic Institution, provided by Dr. Maureen Conte.

M.A. Shajahan - India

Mr. Shajahan heads the recent Indian Argo programme at the National Institute of Ocean Technology (NIOT) in Chennai. The POGO-IOC-SCOR Fellowship will enable him to visit the University of Washington's School of Oceanography for a month, during which time he will be exposed to technical aspects of Argo floats, involving construction, calibration, deployment, and operation. Prof. Stephen C. Riser will be supervising this training.

S. Mohsin Tabrez - Pakistan

Mr. Tabrez is involved in data management at the National Oceanographic Data Centre (NODC) at Pakistan's National Institute of Oceanography. The fellowship enabled him to travel to Germany's national oceanographic data center, the Deutsches Ozeanographisches Datenzentrum (DOD), where he took part in a three month training program involving all aspects of ocean data management under the supervision of Dr. Friedrich Nast.