Capacity building is a major part of the POGO agenda and POGO is widely respected for its contributions to global capacity building. POGO’s capacity building activities were recognised during 2013, when the IOC awarded Dr. Shubha Sathyendranath with the UNESCO N.K. Panikkar medal. This medal is awarded for contributions to capacity building in the marine sciences. The award acknowledged Shubha’s role in developing POGO capacity building into the successful programme that it is today.

In 2013, POGO delivered a suite of capacity-building programmes that provided advanced training in ocean observations, especially for personnel from developing countries and economies in transition. It comprised:

- The POGO-SCOR Fellowship Programme, under which scientists from developing countries can spend up to three months training in a major oceanographic institution. POGO awards in the region of a dozen of these fellowships each year. To date, more than 150 young scientists have been trained under this scheme - see the full report in the Ancillary Documents.
- The POGO Visiting Professor Programme under which one senior scientist visits a developing country to conduct training in ocean observations - see information below.
- The POGO-AMT Fellowship Programme, under which one scientist annually participates in a major oceanographic cruise (the AMT cruise), and spends time at a participating major oceanographic institute before and after the cruise to experience cruise preparation and data analysis. In 2013, this programme was over-subscribed by a factor of thirty – see information below.
- The POGO-UCT Bursary Programme under which one African graduate student, annually, is supported to study at the University of Cape Town, South Africa – see report in the Ancillary Documents.
- Travel support for participants from developing countries attending Austral Summer Institute (ASI) courses at the University of Concepcion, Chile. In the 2012-2013 ASI, 16 scholars were sponsored by POGO enabling them to attend the training – see report in the Ancillary Documents.
- The Nippon Foundation-POGO Centre of Excellence in Ocean Observations at the Alfred Wegener Institute – see report in the Ancillary Documents.
- Two POGO-PAP-GreenSeas fellowships enabling early-stage scientists to participate in the Porcupine Abyssal Plain cruise with training before and after the cruise at participating oceanographic institutes – see reports in the Ancillary Documents.
Together, this suite of training programmes is making a very significant contribution to reducing the deficit in trained observers of the ocean in developing countries. Under POGO capacity-building schemes, over 300 young scientists from about 50 countries have received advanced training. The massive over-subscription for POGO training schemes provides ample proof that the effort is responding to a genuine demand. Feedback from both host supervisors and the trainees themselves is highly positive.

**POGO-SCOR Visiting Fellowships 2013**

Out of 42 applications received, ten POGO-SCOR Visiting Fellowships were awarded for 2013, although one was cancelled due to the candidate being offered a new role as a research scientist before the fellowship was due to commence. The successful applicants were selected on the basis of the quality of their application, relevance of the proposed training to POGO and SCOR, and demonstration that it would lead to sustained capacity building at the host institute. The selection committee also had to strive to achieve regional balance in the final selection. The awardees were from Argentina, Brazil, Chile, China, Croatia, India, Nigeria and Tanzania. The host institutions included GEOMAR (Germany), LOCEAN (France), Plymouth Marine Laboratory (UK), University of East Anglia (UK), University of Maryland (USA) and University of South Florida (USA).

**POGO Visiting Professorships 2013**

The 2013 Visiting Professorship was awarded to Dr. Hans Verheyne, Oceans Research, Department of Environmental Affairs, Cape Town, South Africa, to host Dr. Declan Schroeder (Marine Biological Association, Plymouth, UK) for 2 weeks at the end of November and beginning of December 2013. The training course was on the topic of molecular mining of the Continuous Plankton Recorder and other archived datasets. Recipients of the training were from Madagascar, Tanzania, Namibia and South Africa. The programme benefited from additional funding from SCOR, in particular to facilitate the participation of students from neighbouring countries. This is an excellent example of the added value that can be achieved through partnership with other organisations, which is facilitated by good working relationships between the staff of POGO and SCOR.

**POGO-AMT Fellowship 2013**

This year’s POGO-AMT fellow was Ms Ankita Misra from the National Institute of Oceanography, India. She was working with Dr. Gavin Tilstone, from Plymouth Marine Laboratory (PML), on understanding and evaluating the role of the phytoplankton community in photosynthesis and primary production in the Atlantic Ocean. She arrived at PML in early-September to receive training prior to the cruise, then embarked on RRS James Clark Ross on 7th October with the rest of the AMT scientific party. The cruise started in Portsmouth (UK) and arrived in the Falklands in early November. Ms Misra then returned to the UK to spend a further 4 weeks at PML carrying out some post-cruise analyses.
POGO-PAP-GreenSeas fellowships 2013

Following the success of the POGO-AMT Fellowship, two fellowships were made available for early-stage scientists to join the Porcupine Abyssal Plain (PAP) cruise in the North Atlantic. These were jointly funded by POGO, GreenSeas and the PAP programme. Bellineth Valencia, from Colombia, and Caglar Yumruktepe, from Turkey, received a month’s training in Denmark and the UK, respectively, ahead of the cruise, before joining the 3-week long cruise. Ms Valencia investigated Copepods grazing and pellet production and relationships of this with particle production according to sexual condition and vertical distribution. Mr Yumruktepe studied model-data integration of key nitrogen cycling processes. Each fellow then returned to their respective host institutes to conduct data analyses and interpretation of the data. This is further evidence of what can be achieved through partnerships, and of ways in which POGO builds on its reputation as a leader in capacity building to attract contributions from other organisations towards its capacity building programmes.