An Overview of NANO
NF-POGO Alumni Network for Oceans

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05/12/2015
POGO’s Training portfolio

Providing opportunities for scientists from developing countries to receive training in the world’s leading oceanographic institutions

- POGO-SCOR Visiting Fellowship
- POGO Visiting Fellowship for training on-board AMT cruises
- NF-POGO Centre of Excellence at the Alfred Wegener Institute (AWI) in Germany - Polarstern Summer School

Providing training courses in developing countries

- NF-POGO Centre of Excellence Regional Training
- POGO Visiting Professorship

Supporting existing initiatives in developing countries

- Austral Summer Institute at the University of Concepcion in Chile
- Postgraduate bursary for African students for Masters in Applied Marine Science at the University of Cape Town in South Africa

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Collaboration with the Nippon Foundation

Major sponsor for capacity building in marine science.
Funding ~500K USD per annum

2005-2007 Visiting Professor programme (India, Fiji, Sri Lanka, Tunisia, Vietnam, Brazil).

2008-2012 Centre of Excellence at Bermuda Institute of Ocean Sciences.

2010 onwards NF-POGO Alumni Network for Oceans (NANO)

2013 onwards Centre of Excellence at Alfred Wegener Institute for Polar and Marine Research.

10 months training in ocean observations for 10 students from 10 countries

05/12/2015
What is NANO?

• The Nippon Foundation, through its partnership with POGO, has provided professional training in observational oceanography to over 200 young scientists from 45 countries around the world (mostly developing countries), since 2005.

• NANO (or NF-POGO Alumni Network for Oceans) is a global network of past and present NF-POGO scholars held together by a common interest in, and commitment to, ocean science, and by the common will to communicate the results of their work to the general public, so that they can be applied for the benefit of Society-at-Large.

• The vision for the Network is "Integrated Observations of a Changing Ocean".
Why an Alumni Network?

Maximize the benefits to the alumni from the training received

- Facilitate active contacts among alumni and with the faculty
- Enable POGO/NF to monitor progress and evaluate impact of training
- Promote joint research activities that will build on the training

LONG-TERM

- Next generation of leaders in marine science
- Ocean literate society and support for sustained implementation of ocean observing systems
- Developing countries can anticipate, manage and adapt to the changes occurring in their coastal ecosystems
Who is in the Alumni Network?

• The members are:
  - >220 Alumni of training programmes
  - >40 “NANO Friends” – mentors, associates
NANO Regional Projects - 2015

- Since 2012
- Managed by Secretariat
- Budget 25K - 30K USD/year
- Criteria:
  - Observational focus (not “blue skies” research)
  - Societal benefit focus
  - Add value to existing programmes/projects
  - Funding mainly for coordination (but also consumables, field work, modest equipment).

Pigment analysis using HPLC in ANTARES Network coastal time series stations

Eutrophication in the coastal regions of South-East Asia

Monitoring of HAB species in the coastal waters of India and Sri Lanka

Nearshore hydrodynamics (erosion)

Striking a balance with the lionfish: Habitat Suitability Modeling and Social Awareness measures in the Southern Caribbean
NANO Outreach

• Support for active engaging initiatives in increasing general public awareness of marine issues

• Started in 2014 and calling for proposals twice a year

**Online**

**Educational Material Catalogue**

Here we are listing a series of digital educational resources you can find useful to teach, communicate and promote ocean sciences. Links for educational materials and teaching material available on the Internet together with educational materials (e.g., videos, slides, presentations, posters, websites, etc.) donated by alumni will be classified under the 12 research themes and age groups.

**How can you help?**

**By donating material:** If you know a website or have yourself prepared an educational resource, we will include it in our catalogue. We will make sure its accessibility and promotion of your material among our alumni and friends.

**By adapting with translation:** To reach as many young students and future ocean scientists as possible, we envision to provide at least part of the material in English but also in other languages. You could assist us by doing the translation to your mother language.

**By participating in the forum:** The discussion forum will be open to questions and doubts of the alumni regarding any topic in ocean sciences. You can participate by posting your questions or evaluating someone else’s.

Please contact us (see Outreach team contacts on the bottom of this page) to volunteer.

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<tr>
<th>5-10 years old</th>
<th>11-14 years old</th>
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<tr>
<td>(Primary school)</td>
<td>(Junior High school)</td>
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<td>- Photosynthesis in plankton</td>
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<td>- The oceans and the story of oceanography on global and Indian perspectives</td>
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<td>- What colour is the ocean?</td>
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**Marine Open Day at Shandong University, China**

(Coordinated by alumnus Chunli Liu)

**Education and Prospects for Sandwip Island, Bangladesh**

(Coordinated by alumnus Mohammad M. Uddin)
NANO Communication Platforms

Website (www.nf-pogo-alumni.org)
- Launched in June 2011
- Average of 100 unique visitors per day

Newsletter (NANO News)
- Biannual
- Is in its 9th issue

Social Networks
- NANO Nfpogo
- @NANO4Oceans
Summary

• NANO is a truly international grouping of the world’s young scientists who are potentially the next generation of oceanographic leaders.
• By keeping in touch with the network, members are open to other training opportunities and research collaborations.
• The more the alumni put into engaging with the network, the more they will get out.
• By sharing details of your career progression, there are more opportunities of future collaborations, and be informed of current opportunities.
• NANO is the “future POGO”.
Contact

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More information:
www.ocean-partners.org
www.nf-pogo-alumni.org