



[www.nf-pogo-alumni.org](http://www.nf-pogo-alumni.org)

The NF-POGO Alumni Network for Oceans, or NANO, is a global network of past and present scholars who have participated in the Nippon Foundation-funded training programmes coordinated by POGO. These alumni are early career scientists whose common interest in, and commitment to, ocean science, supports a collective will to communicate the results of their work to the general public, so that they can be applied for the benefit of society.

Since 2005, almost 400 early-career scientists have participated in one (or more) of the NF-POGO capacity building courses.

These courses have consisted of:

- ◆ Visiting Professorships in India, Fiji, Brazil, Sri Lanka, Tunisia and Vietnam, between 2005 and 2007.
- ◆ The NF-POGO Centre of Excellence (CofE) at the Bermuda Institute of Ocean Sciences (BIOS) between 2008 and 2012, and at the Alfred Wegener Institute for Polar and Marine Research, Germany, from 2013 to present.
- ◆ NF-POGO CofE Regional Training Programmes in Brazil, Vietnam, India, the Philippines, Mexico and Ireland.
- ◆ Shipboard training: *North South Atlantic Transect (NoSoAT) cruise*; *Porcupine Abyssal Plain (PAP) Sustained Observatory cruise*; *Atlantic Meridional Transect (AMT) cruise*; *FRidge cruise (UK contribution to GEOTRACES)*, *M148 Tropical South Atlantic Research Cruise*, *MSM72 Mediterranean Short Cruise*, *RADMED Marine Environmental Monitoring Cruise*.

To date over 293 alumni from 66 countries on 5 continents have joined the NANO network.



## ◆ NANO Collaborative Projects

From 2012 to 2017, five **regional projects** addressed different aspects of ocean observations for societal benefit, and an **outreach programme** provided resources for several alumni to advocate for ocean sciences and increase public awareness. As of 2017, a new **global project** is being launched. For brief summaries of each project, see overleaf.

## NF-POGO Activities Worldwide

55 Countries represented by:

- <10 members
- >10 members



## Regional Research Projects

**Indian Sub-Continent:** Monitoring the coastal waters of India and Sri Lanka for the occurrence of Harmful Algal Blooms (HABs).

**South-East Asia:** Eutrophication in the coastal waters of South-East Asia.

**Latin America:** Pigment analysis using HPLC in ANTARES Network coastal time series stations.

**North and West Africa:** Monitoring coastal erosion and hydrodynamics of Northern and Western Africa.

**Caribbean:** Lionfish habitat suitability modelling and social awareness measures in the Southern Caribbean.

## Outreach Projects

Public ocean literacy remains an unresolved issue in many countries, particularly in the developing world. To address this concern, NANO encourages and supports alumni to share their oceanographic knowledge with the public, by providing funding for outreach initiatives, and by maintaining a virtual catalogue with online resources for teaching.

## 2017 Global Project

Building on the NANO regional projects, which helped several participating countries to acquire observation equipment, a new Global Project taking place in 2017-18 aims to integrate coastal observation stations in Argentina, Colombia, Ecuador, India, Mexico, Tunisia, Peru, South Africa, Venezuela and Vietnam.

The project will study coastal productivity (utilising satellite ocean colour products), deoxygenation, bio-optics, phytoplankton, and ocean acidification at selected sites. This global project also aims to build upon existing observation networks such as the Antares network.



*Ocean is our Neighbour* - NANO Outreach Project, Sri Lanka, 2015, led by Kanthi Yapa

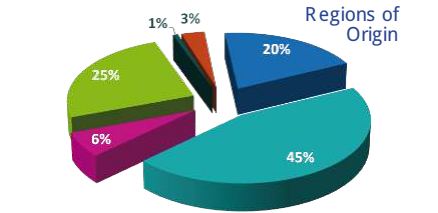


*Bringing the Beach to Schools* - NANO Outreach Project, India, 2015, led by Lobsang Tsering

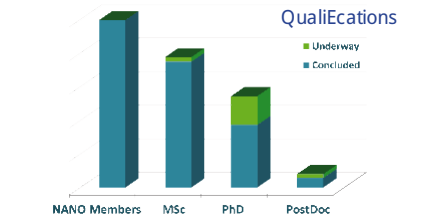
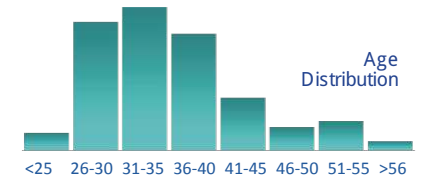


*Improvement of Children's Awareness of Aquatic Resources and Lagoon Environmental Protection* - NANO Outreach Project, Vietnam 2015, led by Ha Nam Thang

## Who are the alumni?



Legend: North America (red), Oceania (orange), Africa (blue), Asia (teal), Europe (purple), Latin America (green)



## Communications

The network maintains a website, mailing list and Twitter account, and produces a high-quality biannual newsletter with articles contributed and edited by the alumni.



Selected alumni are invited to the POGO annual meeting to present their work and outreach projects, and to engage with POGO member institutions.

The alumni are actively engaged in all these initiatives.

Twitter: @NANO4Oceans

The NANO network is supported by:



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