Introduction: Current situation

New and/or increased pressures

- Oil & Gas
- Offshore Windparks
- Marine reserves
- Offshore aquaculture
- Marine extraction

Sea cables

Troll A Platform

Siemens
Goals:

The goals of the C of E are to:

- expand the world-wide capacity to observe the oceans,
- develop human resources in emerging countries, and
- enhance international networking in ocean sciences,
- with an emphasis on training young scientists from emerging countries.

Introduction to the new CoE

The Nippon-POGO Center of Excellence is a unique platform which aims to provide world class education and training courses in the field of observational oceanography using the expertise and infrastructure of the Alfred-Wegener-Institute for Polar and Marine Science (AWI) and building on existing POGO expertise and networked with international experts.

Scholars should be encouraged to be creative, communicative and questioning.
Centre of Excellence – Format of Training:
10 students - 10 months

Trainees requirements:
- At least a first degree in science
- Position in a research or academic institution in a developing country and anticipate to return to home country
- Immediate relevance of their training to on-going or planned ocean observations in their home country
- A history of working as part of a team

The activities of the trainees will be monitored for years after completion of the course

Selection procedure

Stage One
- BIOS/AWI Committee provides initial evaluation of applications
  - Pool reduced to 25 – 40 very high scoring applicants

Stage Two
- Input solicited from:
  - POGO Advisory Committee Members
  - POGO members from specific regions (e.g., Africa, S. America)

Stage Three
- POGO Advisory Committee meeting
- A list of finalists and alternates created and submitted to NF for review/approval
- Students invited to attend
CofEOO Scholars 2013

Meteorologist
Pedro from Cuba

MSc. Marine Biology
Mathew from India

MSc. Marine Biology
Lobsang from Tibet

MSc. Marine Science
Subrata from Bangladesh

MSc. Oceanography
Shaazia from Trinidad & Tobago

MSc. Oceanography
Natalia from Brazil

MSc. Marine Sciences
Joeline from Tanzania

MSc. Physical Oceanography
Esoewe from Togo

BSc. Marine Science
Widya from Indonesia

MSc. Marine Biology
Sutaporn from Thailand

Where are we?

Modules

- Each for two weeks
  (including stats, writing and presentation skills)

Dec
General Oceanography
Biogeochemistry

Jan
Biological Oceanography
Remote Sensing
Mar
Mar - Apr

Jan - Feb
Chemical Oceanography
Sylt
May - Sep

Feb
Physical Oceanography

- Research projects
- Provided by potential supervisors/scientists at the AWI
- Mentored through a supervisor during the programme
Communication 1st Step Berlin

Adaptation
Goals New Expertise

Goals New Methods
Goals: New Methods

CoE at the AWI

BAH from Dec 13 – Apr 14
Heincke cruise
Wadden Sea Station from May 14 – Sep 14

• 84 applicants from 32 countries
• 10 were selected by scientists and management from Nippon Foundation, POGO, AWI
• Interdisciplinary training programme including scientific modules (ocean and marine science relevant topics) and research projects