



Atlantic Meridional Transect

ANNOUNCEMENT:

2018 Special POGO Visiting Fellowship for Ship-board Training on an Atlantic Meridional Transect (AMT) Cruise

The Partnership for Observation of the Global Oceans (POGO) announces a special Fellowship for on-board training on an Atlantic Meridional Transect (AMT) Cruise in partnership with Plymouth Marine Laboratory (PML). One berth has been reserved on the next AMT cruise (AMT-28) for the selected candidate. The programme is designed to promote training and capacity building leading towards a global observation scheme for the oceans.

Who can apply?

This fellowship program is open to early career scientists, technicians, postgraduate students (PhD or MSc) and Post-doctoral Fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.

What does the fellowship offer?

The selected candidate will have the opportunity to visit Plymouth Marine Laboratory (PML) in the UK, for one month prior to the start of the cruise to participate in cruise preparation and planning; to go on the cruise (24th September to 29th October 2018) and help make hydrological, bio-optical and/or ecological observations; and after the cruise to spend approximately one additional month at PML, learning to analyse the results statistically and interpret them.

One fellowship is being offered, and the successful candidate will focus on the **area of work** specified below, in which he or she should have a particular scientific interest:

Lead PI	Co-PIs	Research area
Dr. Giorgio Dall'Olmo (gdal@pml.ac.uk)	Dr. Glen Tarran (gat@pml.ac.uk)	Phytoplankton size distributions along an Atlantic Meridional Transect

This topic aligns with the research interests of the Principle Investigators from PML, who will be the supervisor(s) of the Fellow during the training period.

Total period of Fellowship: ~24th August to 29th November 2018. Candidates should be available to participate for the full period.

The AMT Programme

The Atlantic Meridional Transect (AMT) programme (www.amt-uk.org) began in 1995, utilising the passage of the RRS James Clark Ross through the Atlantic Ocean between the UK and the Falkland Islands (50°N to 52°S, a distance of over 13,500 km) southwards in September and northwards in April each year. The transect crosses a range of ecosystems from sub-polar to tropical, and from eutrophic shelf seas and upwelling systems to oligotrophic mid-ocean gyres. The scientific aims included an assessment of mesoscale to basin-scale phytoplankton processes, the functional interpretation of bio-optical signatures and the seasonal, regional and latitudinal variations in mesozooplankton dynamics. The programme provided a platform for international scientific collaboration, including the calibration and validation of SeaWiFS measurements and products. The



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measurements of hydrographic and bio-optical properties, plankton community structure and primary production completed on the first 12 transects (1995-2000) represent the most coherent set of repeated biogeochemical observations over ocean-basin scales. This unique dataset has led to several important discoveries concerning the identification of oceanic provinces, validation of ocean colour algorithms, documentation of distributions of picoplankton, identification of new regional sinks of pCO_2 and quantification of variability in rates of primary production and respiration.

In 2002, the programme restarted (2002-2006) and broadened, to address a suite of cross-disciplinary research questions concerning ocean plankton ecology and biogeochemistry and their links to atmospheric processes. The objectives included the determination of 1) how the structure, functional properties and trophic status of the major planktonic ecosystems vary in space and time; 2) how physical processes control the rates of nutrient supply, including dissolved organic matter, to the planktonic ecosystem; and 3) how atmosphere-ocean exchange and photodegradation influence the formation and fate of organic matter.

Between 1995 and 2017, the programme has included 27 research cruises, involving more than 250 scientists from >22 countries, contributing to over 300 refereed publications and 75 PhD theses. AMT continues to contribute to science and policy development including the social and economic understanding of the marine environment and services it delivers. This unique spatially extensive decadal dataset continues to be deposited and made available to the wider community through the British Oceanographic Data Centre (www.bodc.ac.uk).

AMT-28 will take place in September-October 2018 between the UK and the Falkland Islands, as part of a long-term multi-disciplinary ocean observation programme, a platform for national and international scientific collaboration, a training arena for the next generation of oceanographers and an ideal facility for validation of novel technology.

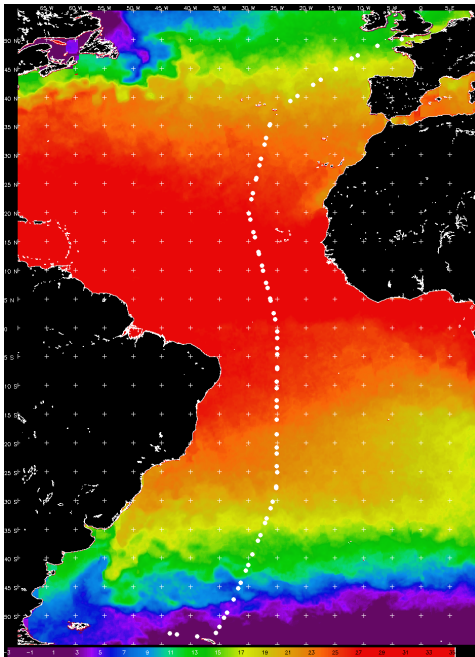


Fig. 1: Cruise track of AMT 27.



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What are the terms?

1. The fellowship will provide the costs of a round-trip ticket between the home institute of the trainee and Plymouth; subsistence allowance for up to two months' stay in the UK depending on the particulars of the proposed training (at a rate of 1035 EUR per month, normally for one month before the cruise and one month after the cruise); the flight back from the Falkland Islands; accommodation in UK (to join ship); accommodation in the Falkland Islands (on leaving ship); ship messing fee; seafaring medical and sea survival course.
2. The trainee's institute will bear all expenses incurred by the fellow in his/her own nation (domestic travel, visa costs, personal insurance etc.), and the host institute (PML) will waive any bench fees that they may normally charge trainees.
3. POGO assumes no responsibility for compensation in the event of sickness, accident, death or disability of a Fellowship holder, nor does it arrange for insurance of a trainee or reimburse premiums paid therefore. It is the responsibility of the trainee to arrange travel insurance to cover the time taken to travel to the ship and for the subsequent return home, as well as to ensure suitable insurance cover is provided by the parent institute for the duration of the cruise.
4. The trainees are not considered agents or members of the staff of POGO, and shall not be entitled to any privileges, immunities, compensation or reimbursements, except as otherwise provided herein, nor are the trainees authorised to commit POGO to any expenditure or other obligation.
5. The trainee and the supervisors at the parent and host institutes are required to provide a short progress report at the end of the training period, to evaluate the success of the fellowship programme.

Review Process

Representatives from POGO and AMT will review the applications. In their decision-making, the Selection Committee will consider the following points:

1. Quality of the application;
2. Curriculum of the applicant;
3. Evidence that the training will lead to capacity-building with potential lasting impact on regional observations.

How does one apply?

The applicant needs to e-mail the PIs listed above with a **short CV and a statement of interest** outlining their current research and what they hope to gain from the training. They may also be encouraged to submit a project outline to the prospective supervisor. Although the area of work is well defined, there may be some flexibility in the project definition, which can be negotiated by e-mail between the applicant and the supervisor prior to submitting the application. Based on the information submitted by the applicant, the PI will decide if their profile is suitable for the project, and if so will issue an acceptance letter.

Important note: the prospective supervisor should be contacted as soon as possible, and no later than Friday 13th April 2018, to allow sufficient time for the supervisor to consider the application before the submission deadline.



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Only when the acceptance letter has been obtained from the prospective host supervisor can the application be submitted. Fellowship applicants should complete and submit electronically the **application form** (this can be downloaded from the POGO website at <http://www.ocean-partners.org/pogo-amt-fellowships>), together with a **recommendation letter from the parent supervisor** and a **letter of acceptance from the prospective host supervisor**. Additionally, the parent supervisor recommendation letter needs to be submitted as a hard copy. If short-listed, the candidate may be asked to undergo an informal telephone/video conferencing interview.

Applications and recommendation letters should be written in English and submitted in pdf format. It is recommended that descriptive sections be limited to about 100 - 150 words. Please use font sizes of 10 pt or larger. **Only applications that are complete in all respects will be considered for the Fellowship.**

Please send electronic versions of completed applications and attachments by e-mail to pogoadmin@pml.ac.uk. In addition, mail signed original parent supervisor recommendation letter to:

POGO Secretariat
Plymouth Marine Laboratory
Prospect Place, The Hoe
Plymouth
Devon PL1 3DH
United Kingdom

Deadline: The deadline for applications for the 2018 fellowship is **Sunday 22 April 2018**. **All applicants will be informed of the decision within two months of the deadline.**