

ANNOUNCEMENT

POGO/IOCCG Scholarships

for onboard training on the

R/V Mirai in the Southern Hemisphere



Background:

The Japan Marine Science and Technology Center (JAMSTEC) is organising an international circumpolar cruise in the South Pacific and Indian Oceans on board the *Research Vessel Mirai*, one of the largest research vessels in the world. The project, termed BEAGLE 2003 (Blue Earth GLobal Experiment), will be comprised of six-legs, each approximately four weeks long, and will be carried out along the WHP lines (WOCE Hydrographic Programme). The first leg starts in Brisbane, Australia on 3 August, 2003 and the final leg ends in Fremantle, Australia on 19 February, 2004. The objectives of the cruise are to enhance research activities in Southern Hemisphere, in accordance with the Sao Paulo Declaration (POGO, 2000). Proposed scientific sampling will include:

- CTD transects
- paleo-oceanographic measurements
- mooring visits
- deployment of floats
- multiple core sampling stations and piston core sampling stations
- bio-optical measurements.

A number of institutes (CSIRO Australia, BIO Canada, ARGO Program US) are collaborating, as well as representatives from Chile, Brazil, Namibia, South Africa, Mozambique, Madagascar and Mauritius.

The *R/V Mirai* also has the capacity for onboard education, and can accommodate up to three young scientists on each leg of the cruise. Accordingly, the Partnership for Observation of the Global Oceans (POGO) and the International Ocean-Colour Co-ordinating Group (IOCCG) are offering a limited number of Scholarships for young scientists to participate in any one leg of the cruise, to receive hands-on training on bio-optical and other measurements on board a research

vessel. The measurements collected during the cruise would provide an invaluable database of high quality data for the Southern Hemisphere, since this part of the world's oceans are greatly under sampled and there is a paucity of this type of data from the region. The bio-optical measurements could be used for validation of ocean-colour data from various ocean-colour sensors, and could also be used to improve satellite-derived estimates of phytoplankton standing stocks and primary production.

Outline of the cruise:

Leg 1: 3 August – 6 September, 2003:	Brisbane – Papeete (Tahiti)
Leg 2: 9 September – 16 October, 2003:	Papeete – Valparaiso (Chile)
Leg 3: 19 October – 2 November, 2003:	Valparaiso – Santos (Brazil)
Leg 4: 6 November – 6 December, 2003:	Santos – Cape Town (South Africa)
Leg 5: 9 December – 24 January, 2004:	Cape Town – Mauritius – Fremantle (Aus)
Leg 6: 27 January – 19 February, 2004:	Fremantle – Kerguelen (return)

Who can apply?

The POGO/IOCCG Scholarships are open to young scientists, technicians, graduate students (Ph.D.) and Post Doctoral Fellows from centres in developing countries involved in oceanographic work. Priority will be given to applications from countries of the Southern Hemisphere.

What are the terms?

1. The scholarship will cover at least part of the trainee's travel costs (hometown to embarkation port, disembarkation port to hometown), as well as the daily on-board rates for food and berth. If possible, we would request that the trainee's institute cover part of the travel costs.
2. The trainee's institute is responsible for bearing all expenses incurred by the trainee in his/her own nation (domestic travel, visa costs, etc.).
3. While onboard *R/V Mirai*, trainees are expected to submit daily progress reports to JAMSTEC Headquarters. These reports will be posted on the internet on a regular basis. Trainees are also expected to submit a final report to their sponsor (either POGO or IOCCG) on completion of the cruise.
4. POGO, IOCCG and JAMSTEC assume no responsibility for compensation in the event of sickness, accident, death or disability of a scholarship holder, nor do they arrange for insurance of a trainee or reimburse premiums paid therefore.
5. The trainees are not considered agents or members of the staff of POGO, IOCCG or JAMSTEC, 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, IOCCG or JAMSTEC to any expenditure or other obligation.

How does one apply?

Applicants for a scholarship must submit a completed application form (see below) and a short letter of request to the POGO Secretariat (address below) by mail, FAX or email. The letter of

request should state the reasons for requesting on board training, the candidate's own research interests, and the relevance of the training to the activities of the trainee's home institute.

All fields of the application form must be completed. Please give as much detail as you think necessary to enable us to come to a final decision on your application. Should you wish to expand answers to particular questions, you may do so by attaching separate sheets to the form. In addition, each application must be supported by a letter of recommendation from the Head of the trainee's Department or Institution.

Only applications that are complete in all respects will be considered for the Scholarship. All applications will be reviewed by representatives from POGO and the IOCCG.

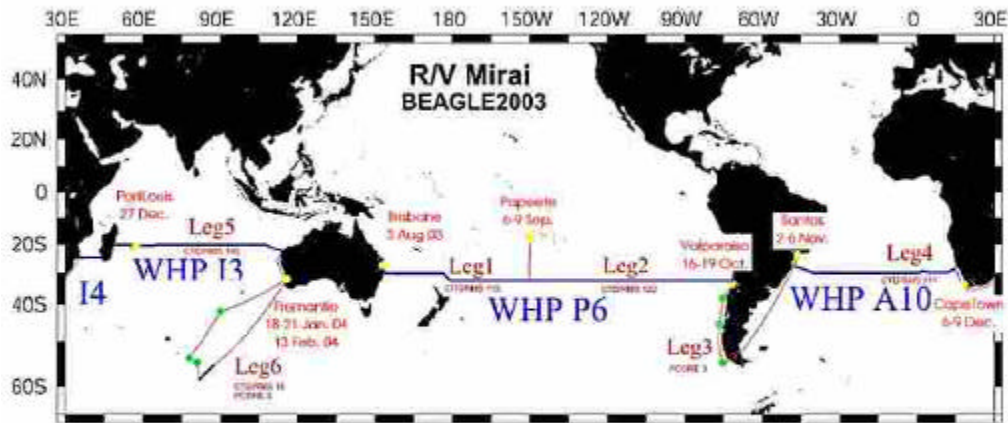
Deadline:

The deadline for the first leg of the cruise is **15 May, 2003**. The applicants will be informed of the decision about a month later.

All applications should be addressed to:

POGO Secretariat
Bedford Institute of Oceanography
P.O. Box 1006,
Dartmouth, Nova Scotia
Canada B2Y 4A2
Phone: 1-902-426-8044
Fax: 1-902-426-9388
e-mail: PayzantT@mar.dfo-mpo.gc.ca

Southern Hemispheric Navigation 'BEAGLE 2003' by R/V Mirai



Around the Southern Hemisphere

- *WHP revisits along P6, A10, I4 and I3 :
- >496 CTD stations
- *3 piston core sampling stations

Kerguelen Plateau

- *CTD trasects
- *4 piston core sampling stations
- *Biogeochemical research

POGO/IOCCG SCHOLARSHIP APPLICATION FORM

for participation in the *R/V Mirai* cruise

APPLICANT INFORMATION

1. NAME (<i>first name, middle name, last name</i>):			
2. NATIONALITY:			
3. DATE OF BIRTH:			
4. MAILING ADDRESS (<i>Home</i>):			
5. MAILING ADDRESS (<i>Institute</i>):			
6. TELEPHONE:		FAX:	
7. E-MAIL ADDRESS:			

8. ACADEMIC QUALIFICATIONS (University Level)

Institute:		Degree:		Date:	
Institute:		Degree:		Date:	
Institute:		Degree:		Date:	
9. Main subjects of study or research (<u>underline your specialisation</u>):					
10. Field in which on-board training is sought:					
				bio-optical	<input type="checkbox"/>
				other (specify)	<input type="checkbox"/>

SUPERVISOR AT INSTITUTION

11. NAME:			
12. INSTITUTION:			
13. MAILING ADDRESS :			
14. TELEPHONE:		FAX:	
15. E-MAIL ADDRESS:			
16. Letter of Recommendation from Supervisor Attached:		Yes	<input type="checkbox"/>
		No	<input type="checkbox"/>

17. Previous sea-going experience (<i>list dates, duration of cruise, duties performed</i>)
18. Current research interests (field of specialisation)
19. State why you wish receive training on board the <i>R/V Mirai</i>

20. How will this training contribute to capacity building at your institution?
21. Would it be possible for your institute to cover at least part of your travel costs? If not, provide justification. If yes, what costs will they be able to cover?
22. Which leg of the cruise would be your first preference (preferably closest to your hometown).
23. State your second preference for a cruise leg:
24. Estimated cost of economy airfare for first choice of leg (item no. 22): Home country to embarkation port (US funds)..... _____ Disembarkation port to home country (US funds)..... _____
25. Estimated cost of economy airfare for second choice of leg (item no. 23): Home country to embarkation port (US funds)..... _____ Disembarkation port to home country (US funds)..... _____

I have read and understand the Terms of the Scholarship (see page 4) and I confirm that the information given above is accurate and correct, to the best of my knowledge.

Signature of applicant:.....

Date:.....

Please send completed applications and attachments by e-mail to :
PayzantT@mar.dfo-mpo.gc.ca

In addition, mail signed originals to: POGO Secretariat
Bedford Institute of Oceanography, P.O. Box 1006
Dartmouth, Nova Scotia
CANADA B2Y 4A2

Terms of the POGO/IOCCG Scholarship to participate in the JAMSTEC Southern Ocean Cruise.

6. The scholarship will cover the trainee's travel costs (hometown to embarkation port, disembarkation port to hometown), as well as the daily on-board rates for food and berth.
7. The trainee's institute is responsible for bearing all expenses incurred by the trainee in his/her own nation (domestic travel, visa costs, etc.).
8. While onboard *R/V Mirai*, trainees are expected to submit daily progress reports to JAMSTEC Headquarters. These reports will be posted on the internet on a regular basis.
9. POGO, IOCCG and JAMSTEC assume no responsibility for compensation in the event of sickness, accident, death or disability of a scholarship holder, nor do they arrange for insurance of a trainee or reimburse premiums paid therefore.
10. The trainees are not considered agents or members of the staff of POGO, IOCCG or JAMSTEC, 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, IOCCG or JAMSTEC to any expenditure or other obligation