

The logo for the Partnership for Observation of the Global Oceans (POGO). It features the word "pogo" in a dark blue, cursive script. The letter 'o' is replaced by a stylized globe with latitude and longitude lines. The logo is centered on a white rectangular background.

*pogo*

*Building links world wide among oceanographic institutions to promote long-term co-operation in comprehensive global-ocean observations*

*For OOPC8, Ottawa, Sept 3-6, 2003  
Shubha Sathyendranath, Bob Weller*

*Partnership for Observation of the Global Oceans*


The background of the slide is a blue underwater scene. It features several fish of different colors (dark blue, light blue, yellow) swimming in various directions. There are also vertical columns of coral or seaweed on the left and right sides. The overall aesthetic is clean and aquatic.

## ***The Need for Partnership***

**The partnership exists to:**

- **Promote observations**
- **Improve scientific knowledge**
- **Interpret scientific results to policy makers**
- **Enhance public awareness of oceanic issues**
- **Provide training and technology transfer**

***Partnership for Observation of the Global Oceans***

The background of the slide is a blue underwater scene. Several fish are visible, including a large one in the top left, a smaller one in the top right, and another in the middle right. There are also vertical columns of bubbles on the left and right sides. The text is centered in a white box.

**POGO-IOC-SCOR WSSD Type 2 Initiative  
for Intelligent Use and Management of  
the Oceans**

**Date of initiation: 2002**

**Date of completion: 2012**

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## **Objectives of Initiative**

**To promote intelligent and sustainable use and management of the oceans through**

- Collaboration and co-ordination among major oceanographic institutions**
- Development of capacity in the weaker countries for using and managing their ocean space under UNCLOS**
- Advocacy for sound use and management of the oceans**

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## **Anticipated Results**

- **Enhanced capacity to monitor and manage the oceans**
- **Improved capability in developing countries to participate as equal partners in the world arena in addressing ocean-related issues**
- **Development of observational elements to promote intelligent use of the oceans**

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## **Training Courses (2002 and 2003)**

**POGO has co-sponsored training courses:**

- . In Chile in 2002 on modelling marine primary production in (co-sponsors University of Concepción and IOCCG)**
- . In Chile in 2003 on zooplankton identification (co-sponsors University of Concepción, IOC and SCOR)**

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## **Summer Courses in S. America (ASI – POGO)**

**ASI (Austral Summer Institute) is an initiative of the University of Concepción and the Woods Hole Oceanographic Institution, primarily aimed at training oceanographers in Chile.**

**POGO participation facilitates participation of students from other South American Countries in the training programme.**

**POGO support initiated in 2001**

**POGO supported 5 students from S. America in 2002**

**POGO supported 5 students from S. America in 2003**

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## **POGO-IOC-SCOR Fellowship Programme**

**Initiated in 2001. Supports visits to oceanographic laboratories (maximum 3 months) for training. Details on POGO Web Site**

**Funding support from IOC and SCOR**

**Fellowships awarded:**

**13 in 2002**

**9 in 2003 (Regional Focus: Indian Ocean)**

**Programme is expected to continue.**

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## São Paulo Declaration (Excerpt)

**The Participants of POGO call upon the world leaders of government, industry, science, and education to use their influence and resources, within their own countries and through relations with others, to devote necessary attention to extending ocean observing systems in the Southern Hemisphere, as a minimum requirement towards implementing an integrated strategy for observing the global oceans.**

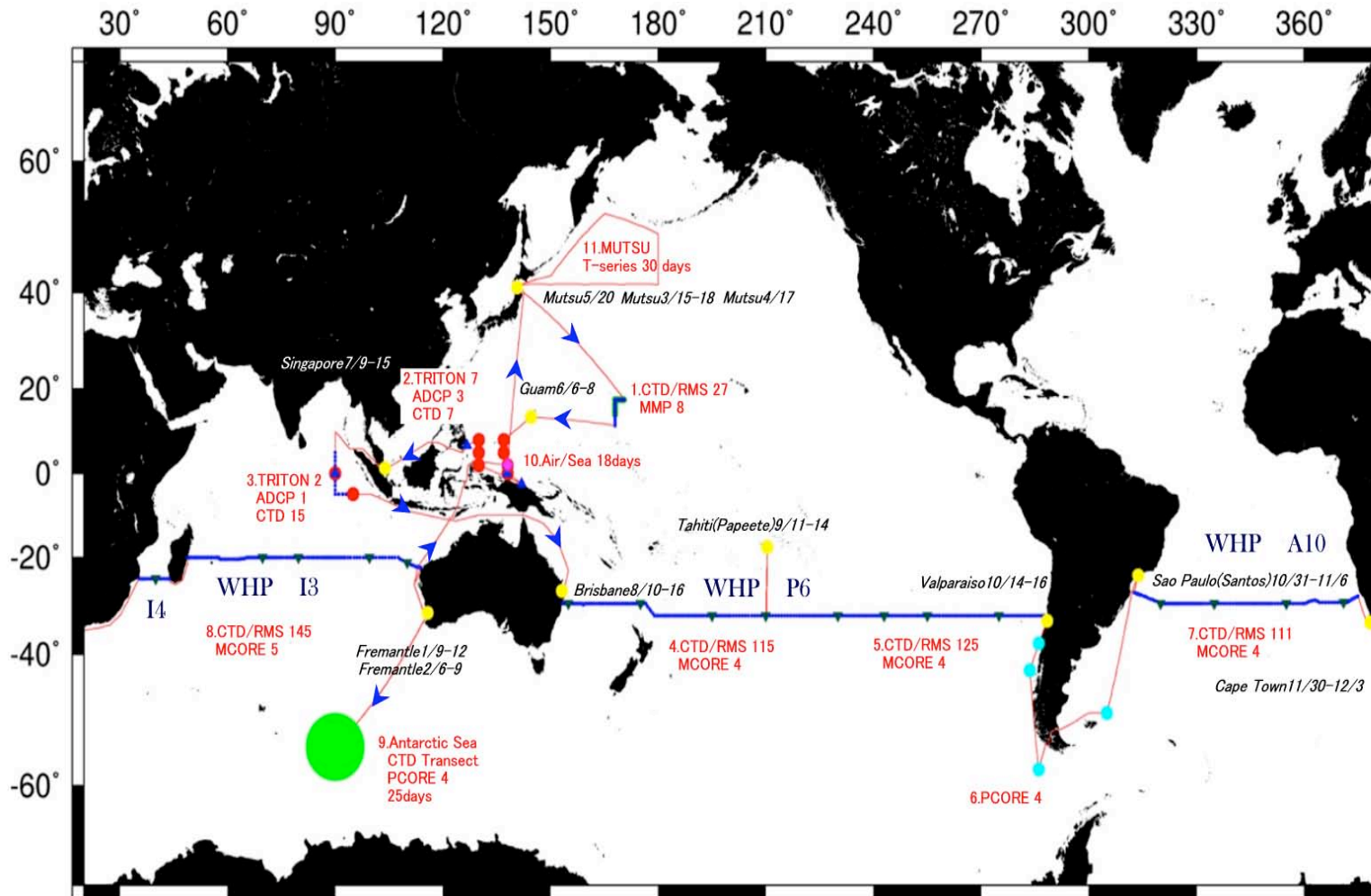
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## The São Paulo declaration was used by ...

- University of Concepción (Chile) to justify why Chile was uniquely positioned to make valuable and unique contribution to the field
- JAMSTEC (Japan) to justify a circumpolar cruise of their research vessel *Mirai* in the Southern Hemisphere
- NIOZ (the Netherlands) to justify a project for three long-term time-series stations (two in the Indian Ocean)
- AOML (USA) to initiate a new XBT line from Cape Town to Buenos Aires

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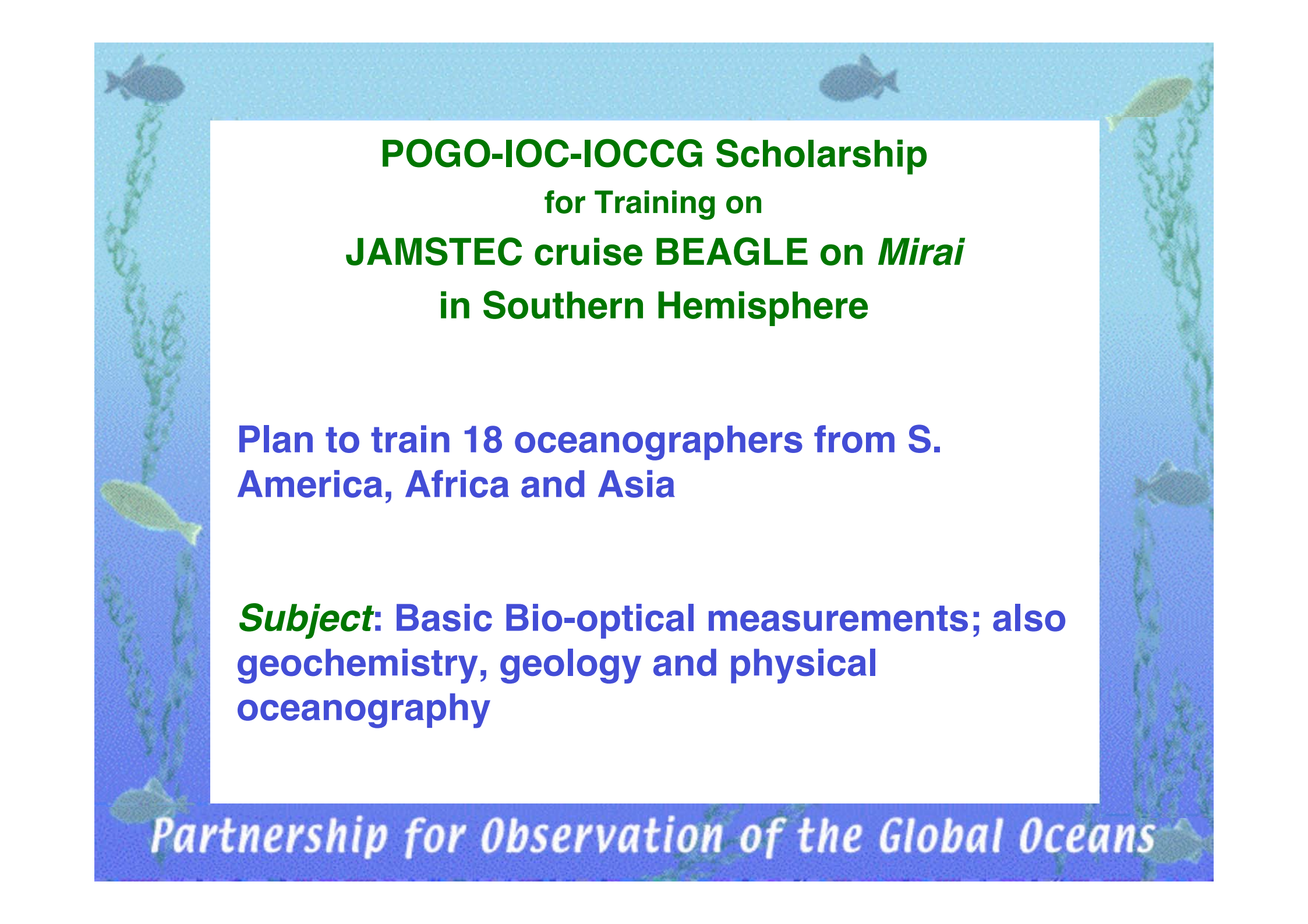
# Operation Magellan-J 2003/2004 *14.13 case*



*11 Sept. 2001 updated*

Around the 'world': From Brisbane (16 August 2003) to Fremantle (9 January 2004)  
Kerguelen leg: From Fremantle (13 January 2004) to Fremantle (6 February 2004)

JAMSTEC Response to São Paulo Declaration



**POGO-IOC-IOCCG Scholarship**  
for Training on  
**JAMSTEC cruise BEAGLE on *Mirai***  
in Southern Hemisphere

**Plan to train 18 oceanographers from S.  
America, Africa and Asia**

***Subject:* Basic Bio-optical measurements; also  
geochemistry, geology and physical  
oceanography**

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**Action 1 from POGO Biology Report:  
Biodiversity Workshops**

**POGO and CoML jointly organised a workshop in Concepción,  
Chile on**

**BIODIVERSITY IN THE OCEANS AROUND SOUTH AMERICA:  
THE KNOWN AND THE UNKNOWN**

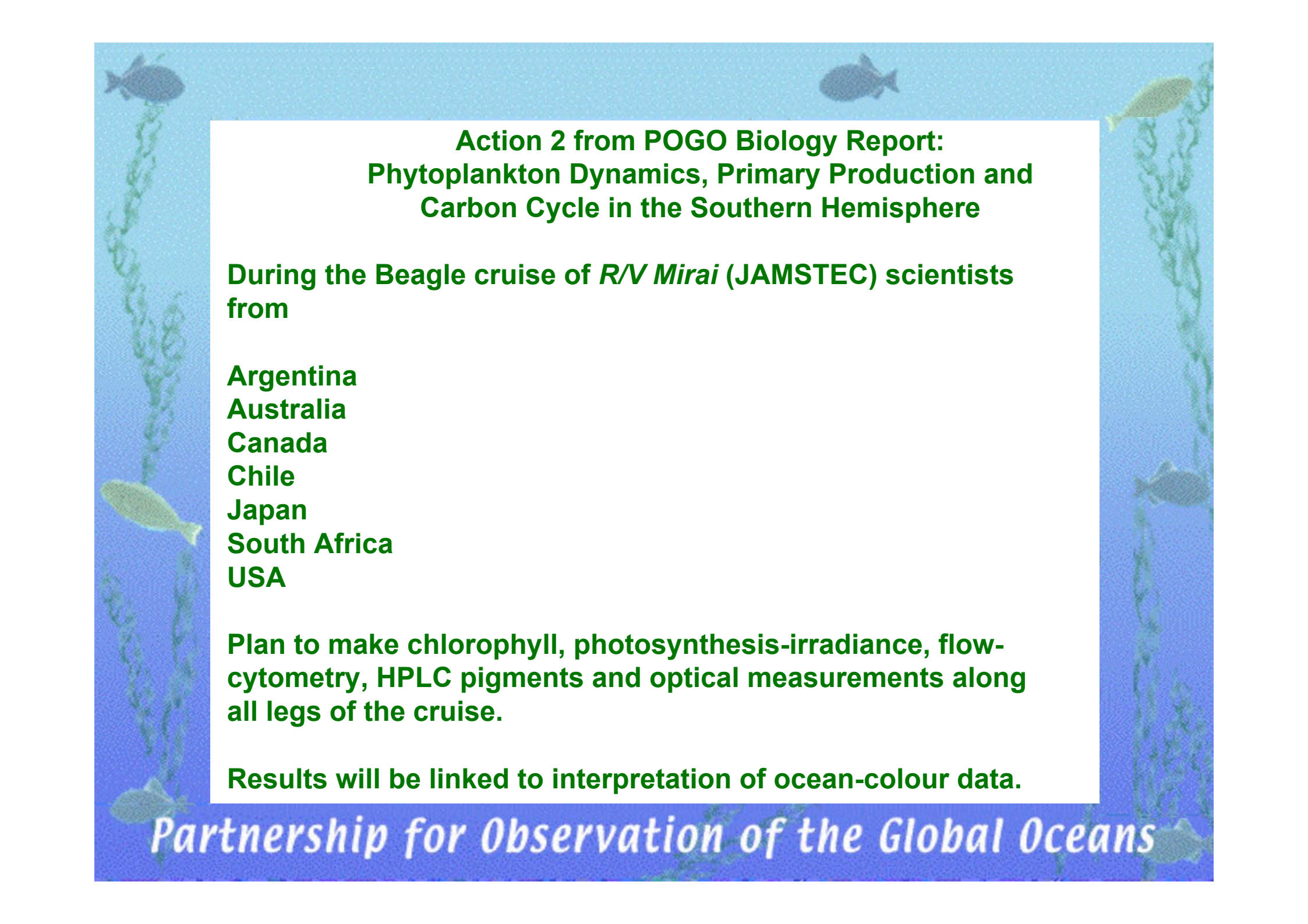
**Dates: 28 - 31 October, 2002**

**POGO, CoML and IO-GOOS jointly organise a workshop in  
Goa, India, on**

**BIODIVERSITY IN THE INDIAN OCEAN**

**Dates: 12-15 December 2003**

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**Action 2 from POGO Biology Report:  
Phytoplankton Dynamics, Primary Production and  
Carbon Cycle in the Southern Hemisphere**

**During the Beagle cruise of *R/V Mirai* (JAMSTEC) scientists  
from**

**Argentina  
Australia  
Canada  
Chile  
Japan  
South Africa  
USA**

**Plan to make chlorophyll, photosynthesis-irradiance, flow-  
cytometry, HPLC pigments and optical measurements along  
all legs of the cruise.**

**Results will be linked to interpretation of ocean-colour data.**

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## Argo Support

- ◆ Encourage participants to be involved actively in Argo
- ◆ Encourage deployment in undersampled regions (e.g., S. Hemisphere, Indian Ocean)
- ◆ Help find partners from undersampled regions to be actively involved in Argo programme
- ◆ Promote awareness and interest (e.g., SEREAD)
- ◆ Promote use and applications of Argo data in POGO institutions

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**Time Series Working Group  
(co-sponsored by POGO)**

**First meeting: May 2001, Woods Hole**

**Second meeting: February 2002, Waikiki**

**Third Meeting: March-April 2003, France**

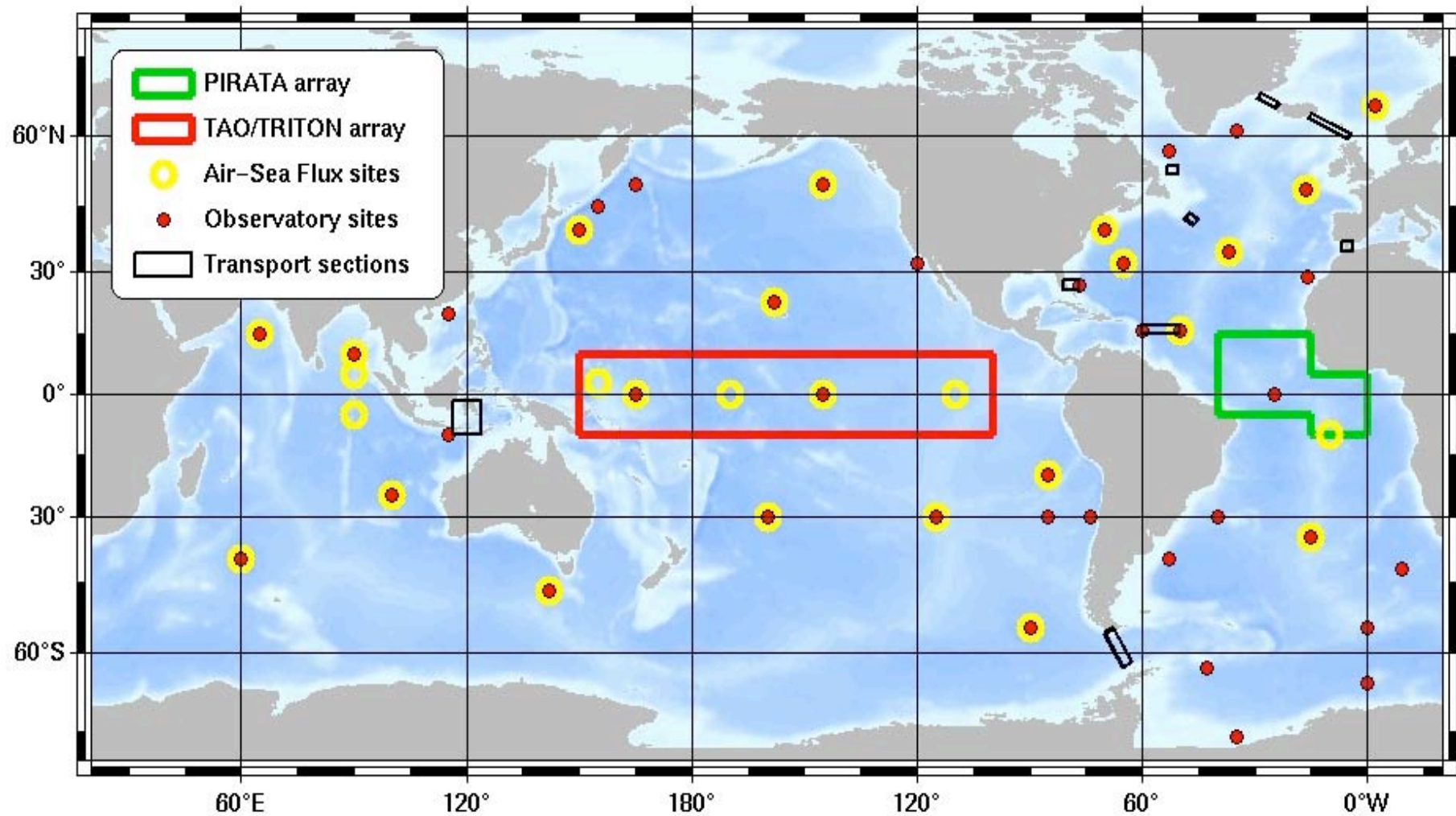
**POGO has helped set up a Time Series Web Site:**

***[oceantimeseries.org](http://oceantimeseries.org)***

**and also helps with designing a Time Series Brochure.**

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# Initial map of the pilot timeseries observatory system



## **News and Information Group**

- ◆ **Consists of nominees from participating institutions**
- ◆ **Helps POGO with promotion of ocean-related material**
- ◆ **Current Chair: Cindy Clark from Scripps**
- ◆ **Produced POGO Brochure**
- ◆ **Helps with Time Series Web Site and TS Brochure**

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## **Data Issues: Recommendations from POGO 4**

**Promotion of sound data archiving policies within oceanographic institutions.**

- 1. Identify Data Issues as a priority area for the POGO-IOC-SCOR Fellowship Programme.**
- 2. Promote timely archiving of scientific data within institutes.**
- 3. Scientists to be encouraged. Sticks and carrots**
- 4. Pair Institutions**
- 5. Operational Requirements: POGO Members can encourage timely transmission of data.**
- 6. Use POGO Web Site to advertise sources of (non-physical) data**
- 7. Develop POGO principles for sound data management**

# Next POGO Meeting

- ◆ In Yokohama, Japan
- ◆ 18 – 20 November, 2003
- ◆ Host: JAMSTEC
- ◆ Focus: Review of elements of ocean-observation system (status, progress, plans, impediments)
- ◆ Goal: Inform POGO Members, Identify POGO Action (implementation, capacity building, advocacy)

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## The Office Bearers of POGO

- Chairman:** Dr. Howard Roe (SOC)
- Chairman Elect:** Dr. Jan de Leeuw (NIOZ)
- Past Chairman:** Dr. Charlie Kennel (Scripps)
- Committee members:** Mr. Takuya Hirano (JAMSTEC)  
Dr. Tony Haymet (CSIRO)

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2001

- Bedford Institute of Oceanography (Canada)
- French Consortium Consisting of
  - IFREMER (Institut Français de Recherche pour l'Exploitation de la MER)
  - INSU (L'Institut National des Sciences de l'Univers du CNRS)
- Japan Marine Science and Technology Center (JAMSTEC) (Japan)
- Netherlands Institute of Sea Research (Holland)
- Scripps Institution of Oceanography (USA)
- P.P. Shirshov Institute of Oceanology (Russia)
- UK Consortium Consisting of
  - Southampton Oceanography Centre
  - Plymouth Marine Sciences Partnership
  - Proudman Oceanographic Laboratory
- Universidad de São Paulo (Brazil)
- Woods Hole Oceanographic Institution (USA)

2002

- Bermuda Biological Research Station, Bermuda
- Chilean Consortium Consisting of
  - SHOA (Servicio Hidrográfico y Oceanográfico de la Armada)
  - Universidad de Concepción
- Commonwealth Scientific & Industrial Research Organisation (CSIRO), Australia
- Dalhousie University
- German Consortium consisting of:
  - Alfred-Wegener-Institute, Bremerhaven
  - Institut of Marine Research, Kiel
  - Research Center for Marine Geosciences (GEOMAR), Kiel
- National Institute of Oceanography (India)
- National Oceanic and Atmospheric Administration (NOAA HQ, AOML, PMEL)

2003

- Institute for Marine Research (Norway)
- Institute of Oceanology (China)

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***POGO Secretariat***

***Dr. Shubha Sathyendranath***

***Executive Director***

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