

## Annex 7

### IMBER: Integrated Marine Biogeochemistry and Ecosystem Research

Report 2004/2005

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On behalf of the IMBER Scientific Steering Committee

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#### **Development of the IMBER Science Plan and Implementation Strategy (SP/IS)**

The IMBER *Science Plan and Implementation Strategy* was approved by both SCOR and IGBP earlier this year. The plan is being printed and will be distributed to more than fifteen hundred scientists and funding agency staff and has been made available electronically on the IMBER Web site ([www.imber.info](http://www.imber.info)).

#### **SSC Meetings**

An IMBER SSC Executive meeting was held in December 2004, hosted by Denise Hansell at the Rosenstiel School of Marine and Atmospheric Sciences, University of Miami. This meeting focused on editing the IMBER *Science Plan and Implementation Strategy* to address the reviewers' comments and the immediate needs for the implementation of the IMBER project.

The second IMBER SSC meeting was hosted by Jing Zhang at the East China Normal University in Shanghai, China in April. This meeting focused on developing more detailed plans for the implementation of IMBER and developing a promotional strategy for the project.

#### **International Project Office**

The IMBER IPO will be funded for the next three years by a consortium of French agencies (Centre National de la Recherche Scientifique [CNRS], Institut de Recherche pour le Développement [IRD], the Université de Bretagne Occidentale and the Brittany Region.) and will be based at Institut Universitaire Européen de la Mer (IUEM) in Brest, France. The office will open in late August 2005 and will be staffed by the Executive Officer, a Deputy Executive Officer and an Administrative Assistant.

The Executive Officer position was advertised in early January 2005, and we received more than 30 applicants for the position. Eight candidates were short listed for the position and four were interviewed. In April, Dr. Sylvie Roy was appointed and will take up the position in late August. Sylvie is currently based in the Canadian SOLAS office. We are looking forward to welcoming Sylvie to the IMBER project.

#### **Development of IMBER Research**

There are a significant number of countries currently developing IMBER activities. Several countries, including India and China, have funding proposals submitted; others such as Japan and the Netherlands have formed committees to take IMBER initiatives forward, and others, such as Germany and Canada, are working toward developing funding proposals for future research. In other countries (i.e., France, England, New Zealand, Chile, South Africa) there are already significant research activities being undertaken that are closely aligned with the IMBER project goals and we are working with these researchers to ensure close links

to the IMBER project. In the United States a town meeting was held at the American Society of Limnology and Oceanography meeting in February to introduce the IMBER project to the marine science community.

There are a number of regional activities developing. ICED (Integrated analyses of Circumpolar Climate interactions and Ecosystem Dynamics in the Southern Ocean) had a planning meeting in May to develop a Science Plan for a joint IMBER/GLOBEC activity in the Southern Ocean. There are also two European initiatives that are closely aligned with IMBER. These are EUR-OCEANS, which is a European Union-funded Network of Excellence and CARBOCEANS, which is an EU-funded Integrated Project focused on the marine carbon cycle. A close association between IMBER and EUR-OCEANS is developing, which will be facilitated by the co-location of their IPOs at IUEM in Brest.

### **Implementation of IMBER**

At the recent SSC meeting a more detailed plan was developed for the implementation of the IMBER project. This will involve setting up a number of working groups to take forward sections of IMBER research. A joint IMBER/SOLAS working group has already been formed to develop a joint implementation plan for the two projects on marine carbon research. This plan will be published electronically later this year. Another important working group will be an End-to-End Food Webs Working Group that will be jointly developed between IMBER and GLOBEC. This group will be developing plans for taking forward both experimental and modeling approaches of end-to-end food web studies. A small data management working group will be formed once the Deputy Executive Officer has been appointed and will be responsible for developing IMBER's data management policy and plans. These will be implemented in close collaboration with several other marine research projects. A small capacity-building working group has also been formed and has been charged with developing a capacity-building policy for IMBER that can be used by all the working groups in their planning.

### **Acknowledgements**

I would like to thank Ed Urban, Wendy Broadgate and Claire Hamilton for their excellent support of the IMBER project and Bill Young and John Bellamy for their work in preparing the IMBER *Science Plan and Implementation Strategy* for publication. Special thanks must also go to Plymouth Marine Laboratory for supporting the Interim IMBER International Project Office in 2004/05.

## IMBER Budget

| <b>Income</b>  | 2004            | 2005            | 2006            |
|--|-----------------|-----------------|-----------------|
| SCOR - NSF (IMBER)   | \$48,951        | \$60,061        | \$50,000        |
| SCOR - NSF (Carbon Coordination)                           |                 | \$4,000         | \$2,000         |
| SCOR - NSF (Travel Grants)                                 |                 | ?               | ?               |
| SCOR Carry-over from Previous Year                         | \$0             | \$0             | \$9,547         |
| IGBP to SCOR   | \$18,480        | \$20,000        | \$20,000        |
| IGBP directly for Gorick figure                            | \$1,520         |                 |                 |
| PML  | £13900          | £11100          |                 |
|  |                 |                 | 150000<br>euros |
| IPO (France)   |                 |                 |                 |
| Proposals for Specific Activities                          |                 |                 |                 |
| National Contributions to international SSC<br>Activities? |                 |                 |                 |
| National Hosting of Meetings?                              |                 |                 |                 |
| <b>Total Income</b>  | <b>\$68,951</b> | <b>\$84,061</b> | <b>\$81,547</b> |
| <b>Expenses</b>  |                 |                 |                 |
| Representation at other meetings                           | \$3,603         | \$12,000        | \$12,000        |
| Interviews for EO Position                                 |                 | \$5,275         |                 |
| Website costs  |                 | \$216           |                 |
| Gorick Figure  |                 | \$1,250         |                 |
| Other SCOR Admin   | \$351           |                 |                 |
| NIWA Expenses  |                 | \$1,011         |                 |
| PML Expenses   | £13900          | £11100          |                 |
|  |                 |                 | 150000<br>euros |
| IPO (France)   |                 |                 |                 |
| SP/IS Editorial Meeting                                    | \$5,219         |                 |                 |
| SSC Meeting  | \$29,344        | 19,162.37       | \$25,000        |
| SSC Executive Committee Meeting                            | \$15,741        | \$12,000        | \$12,000        |
| SP/IS  |                 | \$4,600         |                 |
| Brochures  |                 | \$1,000         |                 |
| Joint SOLAS-IMBER-LOICZ Ocean Carbon Group                 | \$13,101        | \$10,000        | \$10,000        |
| Data Management Subcommittee                               |                 | \$0             |                 |
| End-to-end Food Webs Working Group                         |                 | \$8,000         | \$8,000         |
|  |                 |                 | seek<br>funding |
| Send people to EUR-OCEANS meeting                          |                 |                 |                 |
| Planning Meeting for T2 (I1)                               |                 |                 |                 |
| Planning Meeting for T2 (I3)                               |                 |                 | \$10,000        |
|  |                 | seek<br>funding | seek<br>funding |
| Continental Margins Open Science Meeting                   |                 | seek<br>funding | seek<br>funding |
|  |                 | seek<br>funding | seek<br>funding |
| Human Dimensions Working Group                             |                 | funding         | funding         |
| <b>Total Expenses</b>                                      | <b>\$67,359</b> | <b>\$74,514</b> | <b>\$77,000</b> |
| <b>Remaining Balance</b>                                   | <b>\$1,592</b>  | <b>\$9,547</b>  | <b>\$4,547</b>  |