



**IMBER Executive Committee Meeting
13-14 January 2010
Virtual Meeting**

Minutes

ATTENDEES:

IMBER SSC members:

Javier Aristegui (Spain)
Julie Hall (Past-Chair, New Zealand)
Eileen Hofmann, (Chair, USA)
Carol Robinson (UK)
Mike Roman (USA)

IPO staff:

Sophie Beauvais
Lisa Maddison

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1 Introduction

1.1 Welcome by the IMBER Chair

Eileen Hofmann welcomed everyone and thanked the new Executive Committee members for agreeing to serve on the Committee. She also thanked Julie Hall, the Past Chair, for the useful handover meetings.

2 IPO Update

Lisa introduced the new Administrative Assistant, Virginie Le Saout who replaced Elena Fily in October 2009. Since the SSC Meeting in June 2009, the IPO has continued to support the Working Groups and Task Teams, organise meetings and activities and maintain communication with sponsors, SSC members and others involved in IMBER-related activities.

Julie is going to China next week to sign an agreement with the East China Normal University to establish the IMBER China Project Office (ICPO). The ICPO will be located at the State Key Laboratory of Estuarine and Coastal Research (SKLEC), East China Normal University (ECNU) in Shanghai and will be staffed by a Deputy Executive Officer and an Administrative Assistant, sponsored by ECNU for an initial period of three years. The main focus of the ICPO will be Continental Margins work and the promotion of IMBER activities in Asia. Julie will report back on her return.

3 Working Groups and Task Teams

3.1 SOLAS IMBER Carbon Research Group

Sophie reported on the IMBER/SOLAS French meeting that took place at University 7 in Paris on 22-23 June 2009. The objective was to inform the French community about IMBER and SOLAS science being undertaken by French scientists and provided an opportunity to develop new collaboration.

3.1.1 Sub-group 2: Interior ocean carbon

Niki Gruber organised the 'Decadal variations of the Ocean's interior carbon cycle: Synthesis and vulnerabilities' symposium in Ascona, Switzerland from 13-17 July 2009. No report has yet been received on the symposium. A special issue in an international journal is planned.

ACTION: IPO TO CONTACT NIKI GRUBER TO CHECK WHEN THE REPORT CAN BE EXPECTED.

3.1.2 Sub-group 3: SOLAS-IMBER Ocean Acidification (SIOA)

Jean-Pierre Gattuso (Chair) provided a report on the first meeting of the group that was held from 1-3 December 2009 at UNESCO in Paris. The IMBER Exec Committee's input was requested on several issues.

The SIOA group outlined several activities (e.g. intercomparison exercises, training workshops, promoting joint experiments in sites such as the Arctic, updating the 'Best Practices in OA research and data reporting guide, promotion of a large-scale OA observing system/network) that could form part of the 'SOLAS-IMBER ocean acidification coordinating program' and enquired about IMBER's level of interest in these and how it might contribute towards them.

Mike raised the point about IMBER's involvement based on the reviews of Transition Task Team report that OA is in SOLAS's realm. Eileen suggested that the group could guide regional programs whose science plans include an OA component, e.g. ICED.

Julie agreed with supporting the proposed activities but suggested that the list needs prioritising. Sourcing of funding must be coordinated with the IMBER and SOLAS IPOs. More information is needed regarding the proposed training activity – what form of training, size, etc.? Eileen approved of the idea but was concerned that it was planned around the same time as IMBIZO II. Could it be included as a session at the IMBIZO, e.g. part of Workshop 2: Large-scale regional comparisons?

ACTION: JULIE TO INITIATE A CONVERSATION BETWEEN JEAN-PIERRE AND THE WORKSHOP CONVENORS – KEN DRINKWATER AND RALEIGH HOOD.

Carol suggested that Jean-Pierre probably had deliverables within EPOCA that the SIOA could help to achieve. Eileen agreed that this could be a benefit. Julie pointed out that the financial impact and in kind support that they expect of the IPO needs to be specified.

Jean-Pierre requested a single contact person for the SIOA website. Sophie offered to develop and maintain the site, which will be linked to both the IMBER and SOLAS websites, assuming that it is simple. A more complex design would require professional input

ACTION: IPO TO DISCUSS THE REQUIREMENTS OF THE WEBSITE AND SOPHIE'S WILLINGNESS TO DEVELOP AND MAINTAIN IT WITH JEAN-PIERRE.

Sophie mentioned that there will be a session on OA at the Summer School in Brest will be presented by a member of the SIOA group.

3.2 Continental Margins Task Team

Lisa reported that the group is currently being reformed in conjunction with LOICZ. Katja Philippart is the IMBER co-chair and Helmuth Thomas the LOICZ co-chair. The group will be linked to the IMBER China IPO. Julie suggested two ways to forge this link – 1). the China IPO to organise meetings and logistical arrangements and the deputy EO should attend these and 2). include a senior scientist from ECNU in the Task Team (e.g. Jing Zhang).

3.3 Capacity Building Task Team

3.3.1 Membership and activities

Lisa reported that three new members (Juliet Hermes, Samina Kidwai and John Morrison) had recently been appointed. The group seems to lack direction. Eileen suggested that as the human dimensions aspect of IMBER is strengthened it might be appropriate include the group in these activities. Julie pointed out that the group was established to ensure capacity building activities in IMBER activities. Carol questioned the need for a group to oversee capacity building. Eileen agreed that it is a given in most science plans and suggested that the group be disbanded or morphed into another group.

ACTION: JULIE TO DISCUSS FUTURE OF THE CAPACITY BUILDING GROUP WITH JING ZHANG IN CHINA NEXT WEEK AND REPORT BACK.

3.3.2 Brest Summer School

Sophie reported on the summer school that will be held at IUEM in Brest in August 2010. The program is currently being finalised. The budget is 75K and to date 50K has been secured. PICES are sponsoring six young scientists, one from each PICES country, to attend. The committee would like to use the name ClimEco₂ as it deals with climate, economy and ecology. Julie was unsure that using the IMBER-CLIVAR-GLOBEC would be appropriate. Lisa pointed out that as long as the same standard is maintained to ensure that the brand does not suffer, it would help to keep the IMBER name 'out there'. It was agreed that CLIVAR should be contacted in this regard. If they approved the use of the ClimEco name, it was agreed that it could be used for the summer school.

ACTION: IPO TO CONTACT HOWARD CATTLE AT CLIVAR REGARDING THE USE OF THE CLIMECO NAME FOR THE SUMMER SCHOOL.

3.4 E2E

Coleen Moloney submitted an update on the status of the Special Issue from IMBIZO I. Only three manuscripts were accepted. Mike has been liaising with Deep-Sea Research and they have agreed to include them as a cluster in an ordinary journal issue. He sent the revised manuscripts to the DSR and expects to hear in 4-6 weeks whether the editors have accepted them. The E2E group has been disbanded.

3.4 Data Management Committee (DMC)

Sophie reported that Alberto Piola is the new Chair and asked the Exec Committee to approve the proposed new membership of the DMC. Carol raised the fact that there is only one member from Europe but Javier did not consider that having European-USA balance was an issue. Membership was approved. The Data Management Policy will be published in the next IMBER newsletter. Alberto and Sophie have started planning the 'Dry cruise' scheduled for the day before the start of IMBIZO II (10 October 2010). Cyndy Chandler had agreed to co-convene with Alberto.

4 Regional and other programs

4.1 SIBER (*Report by Raleigh Hood*)

The draft SIBER Science Plan has been submitted for review. It can be downloaded at <ftp://ftp.hpl.umces.edu/rhood>. It was agreed that the Science Plan was at the review stage. It will be reviewed jointly by IMBER and IO GOOS. Julie volunteered to be responsible for coordinating the reviews. A list of reviewers will be drawn up with Nick D'Adamo from IOGOOS. Mike offered to provide a list of reviewers from the Arabian Sea to Julie and Eileen.

Information on the scientific background and links to IOGOOS of the proposed SSC members is needed. Mike stated the importance of links to CLIOTOP as well as human dimension (sociologists and economists) people.

ACTION: IPO TO REQUEST ADDITIONAL INFORMATION ON THE PROPOSED SSC MEMBERS FROM RALEIGH HOOD

ACTION: MIKE TO SEND NAMES OF POTENTIAL REVIEWERS TO JULIE AND EILEEN

4.2 ICED (*Report by Eileen Hofmann*)

ICED members attended several meetings including the final GLOBEC Open science meeting, convening a workshop on Arctic-Antarctic comparisons. They are developing the Science Plan for the Sentinel program, a 50-year program which will take over from ICED in the Southern Ocean. Several meetings are planned for 2010, including the IPY in Oslo June (when a formal ICED SSC meeting will be held) and the SCAR OSM in August.

Julie commented that it was good to see a program really implementing its Science Plan. She mentioned that it probably would not have been possible if BAS had not provided two people to support the program. Carol suggested that perhaps we should write and thank the director of BAS, mentioning that the IMBER SSC acknowledges their important contribution.

ACTION: EILEEN TO CHECK WITH EUGENE IF IT IS APPROPRIATE FOR US TO WRITE TO THE BAS DIRECTOR TO THANK THEM FOR THEIR SUPPORT

4.3 PICES (*Report by Sinjae Yoo*)

PICES held its annual meeting in October 2009 in Jeju, Korea. It was decided by the Science Board at the meeting that the development of an MOU between IMBER and PICES is not appropriate at this time. The next Annual Meeting will be held in October and IMBER has been asked to co-sponsor a session. Three sessions were suggested as being appropriate. Carol suggested that information on the keynote speakers at these sessions should be provided to determine which session to co-sponsor. Julie stated that IMBER has provided about \$2K to co-sponsor sessions at previous meetings.

4.4 ESSAS (*Report by Ken Drinkwater*)

Reports on the ESSAS Annual Science meeting and the SSC meeting were provided. Julie noted the statement that ESSAS is to become an ICES Expert Group and queried the implications of this on it's being an IMBER region program.

ACTION: IPO TO CLARIFY WITH KEN THE IMPLICATIONS OF ESSAS AS AN ICES EXPERT GROUP BEING AN IMBER REGIONAL PROGRAM

Mike asked whether, in the interest of stimulating syntheses between the regional programs, IMBER could initiate a joint workshop between ESSAS and ICED. Eileen responded that she and George Hunt from ESSAS were planning to submit a joint proposal for funding for an Arctic-Antarctic open science symposium in 2011.

Julie mentioned that a half day meeting of regional program representatives immediately after the IMBIZO to consider links has been suggested.

4.5 CLIOTOP (*Report by Olivier Maury*)

CLIOTOP will hold its mid-term workshop in Paris from 8-11 February 2010. Eugene Murphy will attend and will present 'The new IMBER context'. Eileen has also asked Alida Bundy to attend as CLIOTOP is trying to include human impacts and her expertise could assist them.

4.6 BASIN *(Update by Julie)*

An EU Framework 7 proposal for funding was submitted in January 2009. The USA NSF call will only be open next year. The BASIN programs in Europe and the USA are therefore, out of sink. Mike said that there is no specific USA BASIN yet.

5 IMBIZO II *(Update by Lisa and Julie)*

Lisa reported that IMBIZO II will take place from 10-14 October 2010 at the Hellenic Centre for Marine Research and Cretaquarium in Crete. A block booking has been made at the Astir Beach Hotel. The website has been set up, the first announcement has gone out and registration is open. There is currently a shortfall in available funding. Mike has sent a letter of interest to the program managers at NSF, NOAA and NASA and is confident that some funding be provided. He also suggested approaching ICES for funding. Unfortunately, all available IOC funding is going to support the CLIOTOP workshop.

ACTION: JULIE TO FOLLOW UP ON FUNDING POSSIBILITIES WITH ADI KELLERMAN

Julie mentioned that the workshop co-convenors have been appointed and they now need to form workshop committees and decide on the plenary speakers.

6 The way forward for IMBER *(Report by Julie and Eileen)*

The content of this document originated from the 2009 SSC meeting and is also informed by the Transition Task Team report. It will highlight IMBER's stepping up of the human dimension aspect, forecasting and prediction, and the focus on the regional programs and bringing in the on-going projects from GLOBEC. It will also include a statement that IMBER is no longer a 10-year project, but needs to continue until 2020.

Julie sees it as a document to present to funding agencies to show where IMBER is going. It will be published as an article in the next IMBER and final GLOBEC newsletters to inform the scientific community. It will also be included as a 'preface' in the Transition Team report as IMBER's response to the report. It still requires some work, however. Julie and Eileen are working on it and hope to get it to the Exec and then the SSC for comment soon. Mike approved of the idea stating that it will help with funders and will also reenergise the scientific community regarding IMBER.

6.1 Overview and planning of current and future task teams and working groups

The establishment of the Human Dimensions and Projection and Prediction working groups will help to take IMBER forward.

6.1.1 Establishment of the Human Dimension Working Group

IGBP is pushing to increase the human dimensions component all its programs. The intent was for IMBER to establish a working group that would organize a small workshop to decide how to take this forward. However, GLOBEC is holding a workshop (during March, April or May) to determine key points relevant to policy and it might be more beneficial for IMBER to attend this meeting. Alida Bundy (social scientist) new member of the SSC and other people suggested by the GLOBEC human dimensions group could attend. Mike suggested broadening the list to include people from LOICZ as they have incorporated human dimensions in coastal areas.

Julie suggested that the IMBER group should add a day onto the end of the workshop to decide how to proceed. Eileen mentioned that GLOBEC has funding available to support workshop attendees.

ACTION: EILEEN TO CONTACT IAN TO FIND OUT WHEN THE WORKSHOP WILL BE HELD AND WHETHER THERE WOULD BE ANY GLOBEC FUNDING FOR IMBER PARTICIPANTS

6.1.2 Forming the Projection and Prediction Working Group

Julie described how the suggestion for establishing a projection and prediction working group came out of the SSC meeting and also the 2008 IMBER-GODAE workshop. Niki Gruber was to take this forward but has been unresponsive. Julie suggested that this might be a way to keep Coleen Moloney involved in IMBER.

Eileen questioned whether a separate working group is actually required, or is prediction and projection already entrenched in programs and if it was established, what the group should be tasked with. Science

plans of many programs state that they will undertake this. If they don't know how to do it, then such a group would be useful. Carol said that the group should ensure that the different regional programs communicate with each other to develop standardized ways of predicting and projecting. Javier stated that the topics that the group would tackle must be unambiguous, e.g. E2E vs. interior ocean. It would be good to link in with CLIVAR and bring in the physical side of things. Raghu Murtugudde and Tony Busalacchi are involved in this with CLIVAR and CLITOP. Eileen suggested that Mike give Raghu a call to see if he could suggest other people to include.

6.2 Implementation Plan of the Way Forward document

Julie envisages that the Way Forward document will consist of about 2-3 pages and that it will be ready for the IMBER and GLOBEC newsletters in February. Mike suggested that an appealing high-quality, update of the IMBER brochure would be more useful. Eileen noted that the new IGBP media/communications group might be able to assist with this. Javier suggested that it also be included in the IGBP newsletter.

ACTION: JULIE AND EILEEN TO DRAFT THE NEWSLETTER ARTICLES AND THE WAY FORWARD DOCUMENT AND SEND TO EXEC. COMMITTEE FOR COMMENT

6.3. Development of IMBER connection at Plymouth Marine Laboratory (PML)

Eileen explained that Steve de Mora from PML had commented to Ed Urban (SCOR) and Wendy Broadgate (IGBP) that PML would like to retain an IPO now that GLOBEC is ending and that he sees IMBER as a good fit for PML. There is no intention of moving the IMBER IPO from Brest, but it perhaps it would be possible to have a postdoc or some other new career scientist based there to push some particular science forward. Options could be discussed with Manuel Barange, the new director of Research at PML. Julie thought the position might be funded through NERC.

ACTION: EILEEN TO CONTACT STEVE DE MORA RE IMBER CONNECTION AT PML

7. Finances

7.1 IMBER Budget Report

Lisa reviewed the 2009 and 2010 budget. With current income and including budget requests there is a shortfall of approximately \$60K. Mike suggested that an interest-bearing bank account could offset the high bank charges.

Mike reported that Phil Taylor from NSF was willing to provide \$50K per annum, which GLOBEC received for activities, to IMBER. Eileen explained that Ed Urban needs to submit a proposal to NSF to request the funds which would be administered by SCOR.

Carol recommended deferring funding decisions until the income from NSF is secured. However, Julie pointed out that as programs need to plan for their activities, funding decisions do need to be made. Eileen suggested negotiating the level of support with individual programs and Mike recommended that priority should be given to IMBER projects. There was general agreement. Julie flagged the support provided to the SIC! WG1, as this is really SOLAS's responsibility. She also suggested that details of how the funding will be used should be provided.

Programs should be encouraged, and helped, to seek other funding for activities.

7.2 Expense decisions

Requests for funding were considered.

SIOA

No decision will be taken on the request for funding until additional information about the proposed training workshop has been received from Jean-Pierre.

SIC! Sub-group 1

It was decided, in light of current budget constraints, that WG1 should be supported by SOLAS and that IMBER would not contribute to the support of the SOCAT meeting to be held in Hobart in April/May 2010 as requested.

ICED

Eileen considered ICED's request for \$15K to support the SSC meeting to be legitimate, however, the request to fund the Circumpolar Food web writing workshop should be reduced from @20K to \$10K.

PICES

Carol questioned whether PICES was an IMBER priority. Julie and Eileen considered it important to retain the relationship with PICES. Consideration was given to the most appropriate workshop session to co-sponsor and it was agreed that S12 (Anthropogenic forcing in North Pacific coastal ecosystems: Understanding changes in ecosystem structure and function) was most closely allied with FUTURE – the North Pacific regional proxy of IMBER. It was agreed that IMBER would give \$2K to co-sponsor this session

ESSAS

Eileen informed the Exec that funding requests by ESSAS were never fully met by GLOBEC. Not all the WG activities outlined in the funding request are IMBER-related and hence did not merit funding. Julie expressed concern that there would be a negative reaction from ESSAS if only some activities were funded. It was agreed that IMBER should negotiate this with ESSAS. It was agreed to support the SSC meeting expenses to the tune of \$12K.

ACTION: IPO TO INVESTIGATE THE POSSIBILITY OF IMPROVING THE INTEREST EARNED BY THE IMBER BANK ACCOUNTS

ACTION: EILEEN TO CALL GEORGE HUNT TO DISCUSS FUNDING DECISIONS.

ACTION: IPO TO FOLLOW UP WITH EMAIL TO GEORGE HUNT OUTLINING FUNDING DECISIONS

CLIOTOP

Eileen noted the limited detail of the CLIOTOP budget request. IOC has committed money to support the mid-term workshop and Mike suggested that other funding sources are available to CLIOTOP. It was agreed that IMBER would give the \$12K requested to support the SSC meeting and that decisions on the other requests be postponed until IMBER funding has been secured.

ACTION: EILEEN TO CONTACT OLIVIER MAURY REGARDING THE FUNDING DECISIONS

DATA MANAGEMENT COMMITTEE

The DMC requested \$5K to support the 'Dry Cruise' Data Management training session at IMBIZO II. Eileen noted that this would be possible if the NSF funding for IMBER is secured.

Carol pointed out that the regional programs should be encouraged to find other sources of funding besides IMBER. Julie agreed and stated that the IPO should work with the programs to develop time lines and apply for funding well in advance of activities.

ACTION: IPO TO ASSIST REGIONAL PROGRAMS WITH FORWARD PLANNING AND DEVELOPING TIMELINES, AND APPLYING FOR FUNDING

DECISION: IMBER TO PROVIDE \$2K TO CO-SPONSOR SESSION 12 OF THE 2010 PICES ANNUAL SCIENTIFIC MEETING

DECISION: IMBER TO PROVIDE \$12K TO SUPPORT THE ESSAS SSC MEETING

DECISION: IMBER TO PROVIDE \$12K TO SUPPORT THE CLIOTOP SSC MEETING

8 Representation of IMBER

8.1 Exec Committee meetings

Eileen suggested that it would be beneficial to hold Exec Meetings more frequently (e.g. every three months). This was agreed to and the next meeting will be held on 18 February 2010. The agenda for the next IMBER SSC meeting will be discussed. Fund managers from NSF, NOAA and NASA have agreed to attend and Eileen proposed that half a day be set aside to present IMBER to them. Carol mentioned that GEOTRACES and SOLAS had both found this approach successful. SOLAS will hold their next SSC meeting in Brussels to meet with European funders. Mike suggested that he and Eileen check the agencies programs to determine which IMBER topics align with future programs. He also suggested that Scott Doney from the USA IMBER office be invited to attend the meeting.

ACTION: EILEEN TO INVITE SCOTT DONEY TO ATTEND THE IMBER SSC MEETING

8.2 Representation at meetings

CLIOTOP OSM, Paris, France 8-11 February 2010

Alida Bundy and Eugene Murphy

Ocean Sciences Meeting, Portland, Oregon, USA 22-26 February 2010

Eileen and Mike

IPY Congress, Oslo, Norway 8-12 June 2010

Eileen

SCAR OSN, Buenos Aires, Argentina, 3-6 August 2010

Eileen