

GLOBEC International has entered its Integration and Synthesis phase. To facilitate communication during this crucial stage we will produce electronic programme updates to keep you informed on the breadth of GLOBEC's activities. We intend to distribute these updates every three months, if you would prefer not to receive the newsletter and other news from GLOBEC please reply to this message with "unsubscribe GLOBEC e-news" in the subject line. If you would like others to be subscribed please forward this message and ask them to respond with "subscribe GLOBEC e-news" in the subject line. If you would like to make announcements in forthcoming updates please contact Dawn Ashby (daas@pml.ac.uk). We hope you will find the information useful. Feedback is always appreciated.

News from the GLOBEC Regional Programmes

ESSAS (Ecosystem Studies of Sub-Arctic Seas)

ESSAS are hosting a symposium on Ecosystem dynamics in the Norwegian Sea as part of the ECONORTH programme (15-17 March 2007, Tromsø, Norway), see their website for further details

<http://www.nfh.uit.no/hmenyvis.aspx?id=2554&locallang=uk>

ESSAS held a workshop in June 2006 to prepare the groundwork for developing comparative studies of sub-arctic seas. The workshop is planned to be an annual event, with the next series of three workshops to be held 3-9 June in Hakodate, Japan. They will include:

1. Workshop on evaluation of future ESSAS climate scenarios
2. Workshop on the role of seasonal sea ice cover in marine ecosystems
3. Working group on modelling

For further details please contact George Hunt, glhunt@uci.edu

CLIOTOP (CLimate Impacts on Oceanic TOP predators)

Preparations are under way for the first CLIOTOP symposium which will be held in La Paz, Mexico on 3-7 December 2007. Further details are available from the symposium website:

<https://www.confmanager.com/main.cfm?cid=722>

CLIOTOP will also be holding a workshop on designing an ocean mid-tropic automatic acoustic sampler (MAAS), for further details see the following meeting announcement:

http://web.pml.ac.uk/globec/structure/regional/cliotop/MAAS_workshop_jan2007.pdf

CLIOTOP SSC and Working Groups 1 and 4 will meet in Hiroshima, Japan in May 2007 alongside the 4th International Zooplankton Symposium. WG5 will meet 12-14 April in California, USA to consider the challenge of change: managing for sustainability of oceanic top predator species. For further details see the announcement below:

http://www.globec.org/structure/regional/cliotop/WG5_wksp_apr07.pdf

For further CLIOTOP details please contact the GLOBEC IPO (globec@pml.ac.uk) or the CLIOTOP Secretariat (CLIOTOP.secretariat@cls.fr).

SPACC (Small Pelagics and Climate Change)

The report from the SPACC-GLOBEC workshop on image analysis to count and identify zooplankton is now available from the GLOBEC webpage at:

http://www.globec.org/structure/regional/spacc/image_wksp/contents.htm

This includes a written report, pictures and presentations from the meeting, a list of essential references and zooplankton image websites and the ZoolImage software to download.

A SPACC synthesis meeting took place in Roscoff, France, 2-6 October 2006. The outcome of the workshop will be a multi-authored Small Pelagic Fish and Climate Change book which is currently under commission. Details will be made available soon through the GLOBEC website.

Southern Ocean GLOBEC

A special Southern Ocean GLOBEC section will be published in the next issue of the GLOBEC International Newsletter.

The GLOBEC-IMBER-SCOR-SCAR programme Integrating Climate and Ecosystem Dynamics (ICED) has launched a new website at:

<http://www.antarctica.ac.uk/Resources/BS/ICED/>

ICED is a new international multidisciplinary initiative, following on the successful SO GLOBEC programme, launched in response to the increasing need to develop integrated circumpolar analyses of Southern Ocean climate and ecosystem dynamics and will contribute to the International Polar Year.

ICES-GLOBEC Cod and Climate Change Programme (CCC)

A report of the workshop on the Decline and Recovery of Cod Stocks throughout the North Atlantic, including trophodynamic effects (WKDRCS) which was held 9–12 May 2006 in St. John's, Canada and is now available from the ICES GLOBEC website

(<http://www.ices.dk/globec/>)

A workshop on the Integration of Environmental Information into Fisheries Management Strategies and Advice [WKEFA] will meet at ICES Headquarters, Copenhagen, Denmark, 18–22 June 2007. This workshop is co-sponsored by GLOBEC, ICES and EUR-OCEANS. For more information contact the co-chairs: Manuel Barange (m.barange@pml.ac.uk) and John Simmonds (j.simmonds@marlab.ac.uk).

News from the GLOBEC Focus Working Groups

Focus 1: Retrospective analysis

GLOBEC Focus 1 organised a working group meeting on the “Impact of Climate Variability on Marine Ecosystems: A Comparative Approach” in September 2006 in Berlin. A brief report from the workshop was published in the last GLOBEC International Newsletter:

http://web.pml.ac.uk/globec/structure/fwg/focus1/F1_news4b.pdf

Contributions will appear in a special volume of Journal of Marine Systems

Focus 2 (Process studies) and Focus 3 (Modelling)

GLOBEC Focus working groups 2 and 3 held a joint workshop on the challenges for the integration of process studies and modelling of marine zooplankton in May 2006. See the GLOBEC Newsletter article for further details:

http://web.pml.ac.uk/globec/structure/fwg/focus2/F2_3_news.pdf

Focus 2 will be holding their next meeting in conjunction with the 4th International Zooplankton Production symposium in Hiroshima, Japan, May 2007.

Focus 4 (Feedback from marine ecosystem changes)

This Focus has initiated planning of a workshop/symposium on “Coping with global change in marine social-ecological systems”, to be held in 2008. For more information contact Ian Perry (PerryI@pac.dfo-mpo.gc.ca) and Rosemary Ommer (ommer@uvic.ca).

News from the GLOBEC National Programmes

A special Japan GLOBEC section was published in the last issue of the GLOBEC International Newsletter. Look out for UK GLOBEC in the next issue.

http://web.pml.ac.uk/globec/products/newsletter/news12_2.pdf

GLOBEC Spain will be holding their 2nd symposium 28-30 March 2007 in Valencia, Spain. Contact Fidel Echevarria, fidel.echevarria@uca.es for further details.

Brazilian GLOBEC scientists may be interested in the Plankton Symposium IV, to be held 1-5 April 2007 in Joao Pessoa, further details can be obtained from:

<http://planktonsymposium.web.ua.pt/>

Japan-GLOBEC recently hosted a national Symposium on "Predicting life changes of marine key species based on global warming scenarios of IPCC", 29 November 2006, Tokyo, Japan. The proceedings will appear as a special issue of "Gekkan Kaiyo" (in Japanese). A summary will be published in the GLOBEC Newsletter. For more information, contact Yasunori Sakurai (sakurai@fish.hokudai.ac.jp).

Other GLOBEC related meetings

4th International Zooplankton Production symposium

The 4th International Zooplankton symposium is co-sponsored by ICES, PICES and GLOBEC and will be held 28 May – 1 June 2006 in Hiroshima, Japan. The symposium is the first of the series to be held outside Europe, and will focus on "human and climate forcing of zooplankton populations". For further details see the symposium website:

http://www.pices.int/meetings/international_symposia/2007_symposia/4th_Zooplankton/4th_Zoopl.aspx

1st BASIN workshop

BASIN is a funded SSA (Specific Support Action) under the EU 6th framework programme, aimed at producing a co-ordinated EU - North American science agenda to assess, predict, and mitigate the effects on marine ecosystems of the North Atlantic and their services. A meeting on resolving the impact of climate processes on ecosystems of the North Atlantic basin and shelf sea: integrating and advancing observation, monitoring and prediction will be held in Hamburg, Germany, 23-25 January 2007. Participation is open to all interested parties and registration is available from the GLOBEC website at:

<http://www.globec.org/structure/imber/euroceans/basin/reg.asp>

AMEMR workshops

Two AMEMR (Advances in Marine Ecosystem Modelling Research) workshops are being held in Plymouth in February 2007

6-8 February 2007: Skill assessment of plankton functional type models on a global scale

13-15 February 2007: Modelling the response of marine ecosystems to increasing levels of CO₂

See the AMEMR webpage for further details:

<http://www.amemr.info/default.asp?page=Workshops>

CASIX/CLASSIC meeting

A meeting is being organised by the NERC Earth Observation Centres of Excellence CLASSIC, CASIX and ESSC on behalf of the IGBP UK National Committee to investigate land-ocean-atmosphere interactions in the climate system and the role of earth observation from space. The meeting is to be held at the Royal Society, London on 14 February 2007. The list of speakers, full list of presentations and registration form are available from the website:

<http://classic.nerc.ac.uk/IGBP.php>

Parameterisation meeting

An international symposium sponsored by GLOBEC, IMBER and EUR-OCEANS on Parameterisation of trophic interactions in ecosystem modelling will be held 20-23 March 2007 in Cadiz, Spain. For further information see:

http://www.eur-oceans.eu/document/index.php?num_information=318

Website news

Global Plankton database

A global plankton database: an inventory and data from the former Soviet Union expeditions produced by Sergey Piontkovski is now available from the GLOBEC website at:

<http://www.globec.org/data/plankton/database.htm>

Publication database

The GLOBEC publication database has been extended to include all GLOBEC Newsletter articles:

<http://web.pml.ac.uk:8080/rmwp?&func=advSearch>

or for a list of all newsletter articles see:

http://web.pml.ac.uk/globec/products/newsletter/newsletter_alph.htm

We're still trying to track down a copy of the very first issue of the GLOBEC Newsletter, please contact Dawn Ashby (daas@pml.ac.uk) if you have a copy that we could borrow.

The GLOBEC International Project office would like to use the opportunity to wish you well during the festive season.