

## ICED Update Report – May 2007

Prepared by Eugene Murphy, Eileen Hofmann and Rachel Cavanagh  
on behalf of the ICED Interim Steering Committee (see Appendix 1)

### *Integrating analyses of Climate and Ecosystem Dynamics in the Southern Ocean – ICED*

#### **1. International meetings and partnerships**

In February, Eugene Murphy was an invited speaker at the European launch of the International Polar Year (IPY), held at the European Parliament in Strasbourg, France. His presentation on ICED in the context of the IPY can be downloaded from the ICED website at:  
<http://www.antarctica.ac.uk/Resources/BSD/ICED/science/ipy.htm>

ICED continues to forge its strong partnership with the EUR-OCEANS Southern Ocean System of EUR-OCEANS (see [www.eur-oceans.eu](http://www.eur-oceans.eu)). In April, Rachel Cavanagh represented ICED at the EUR-OCEANS Annual Principal Investigators Meeting in Athens, and delivered a presentation at the Southern Ocean System Session on ICED-IPY and its links with EUR-OCEANS. The Session discussions focused on the role of ICED in coordinating ecosystem science in the Southern Ocean, and it is envisaged that this will lead to further collaborations in the relevant areas of the ICED and EUR-OCEANS science programmes. A summary of the Southern Ocean Session is in preparation and will soon be available on the ICED website.

A poster on ICED science and integration is currently in preparation. This will be displayed at the 4th International Zooplankton Symposium in Japan later this month. This poster will be available to ICED committee members and other relevant individuals in order to raise awareness of the ICED programme at international conferences and meetings.

#### **2. ICED Science Plan/Workshop Report**

The ICED Science Planning Workshop Report has been published electronically and is available on the ICED website. The ICED Science and Implementation Plan has been developed on the basis of the workshop outcomes, and is currently under review with the ICED Steering Committee (deadline May 31<sup>st</sup>). The Plan will then be formally submitted to GLOBEC/IMBER for approval. Once finalised this will be published jointly by GLOBEC and IMBER.

#### **3. ICED-IPY**

Since March, ICED has been leading and coordinating the International Polar Year (IPY) *Ecosystems and Biogeochemistry of the Southern Ocean* Consortium entitled ICED-IPY (see [www.ipy.org](http://www.ipy.org)). ICED-IPY is coordinating data, field and modelling activities to further understanding of how Southern Ocean ecosystems operate (see Appendix 2). We have recently produced an interactive map (see homepage of website and Appendix 3) on the ICED website, representing the spatial and temporal coverage of Southern Ocean fieldwork during IPY. We welcome input to this map from other researchers. A webpage has been created for ICED-IPY and this will be further developed over the coming months. A database is also being developed to facilitate communication within ICED-IPY and to ensure integration with other relevant IPY ocean projects.

#### **4. Workshops**

The ICED Science Planning Workshop identified a modelling workshop that brings together end-to-end and regional understanding of Southern Ocean ecosystem operation as a vital first step to developing circumpolar models. To address this, ICED has successfully obtained joint funding from GLOBEC, IMBER and EUR-OCEANS for the first in a series of workshops. This workshop (planned for end of 2007) will focus on trophic interactions and the end-to-end operation of food webs, and will bring together a group of modellers with a wide range of expertise in aspects of ecosystem modelling, population dynamics and coupled physical-biological modelling. Further details will soon be available on our website.

#### **5. Immediate priorities**

- ICED Science Plan/Implementation Strategy (review by GLOBEC/IMBER **June/July 2007**).
- Formally establish a Steering Committee (following approval of the ICED Science Plan).
- Organise key workshops and papers (first modelling workshop - **end 2007**).
- Convene a meeting of the appointed Steering Committee (perhaps linked with another relevant meeting during **2008**).

## **Appendix 1 - ICED Interim Steering Group**

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**Appendix 2** – IMBER newsletter article (attached as a PDF)

**Appendix 3** – GLOBEC newsletter article showing fieldwork map (attached as a PDF)