



AMEMR II Scientific Steering Committee

(1/8/07) – further names may be added)

Icarus Allen	PML, UK
Tom Anderson	NOC, Southampton, UK
Jerry Blackford	PLM, UK
Laurent Bopp	LSCE, Paris, France
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Kevin Flynn	University of Swansea, Wales
Marjy Fredrichs	VIMS, USA
Pierre Freon	IRD, France
Beth Fulton	CMAR, Hobart, Australia
Eileen Hofmann	Old Dominion University, Norfolk, USA
Patrick Lehodey	CLS, France
Trevor Platt	Bedford Institute of Oceanography, Canada
Mike St John	University of Hamburg, Germany
Cisco Werner	University of North Carolina, USA

Timeline

- * **Call for abstracts: September 2007**
- * **Abstract deadline January 2008**
- * **Programme announced March 2008**
- * **Registration available from late 2007, closing in May 2008**



For further information visit
www.amemr.info

Contact details

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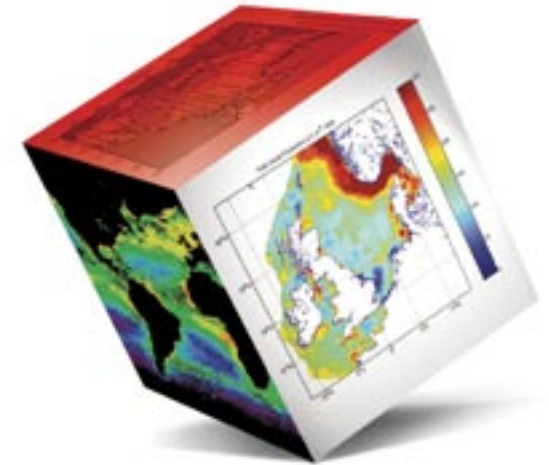
Registration & Accommodation
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Supported by:



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AMEMR 2008 is organised by Plymouth Marine Laboratory (PML)
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AMEMR2008
Advances in Marine Ecosystem
Modelling Research

23 - 26 June 2008, Plymouth, UK

Advances in Marine Ecosystem Modelling Research II

'Bridging the Gaps'

The marine environment is a key regulatory component of the Earth system and provides a vital economic and social resource. Marine, coastal and estuarine ecosystems are complex interactions of biota, chemical processes and physical dynamics that are influenced by both climate and human activities. As a result changes in process magnitudes, distributions and seasonal responses are rarely fully understood. Modelling provides a key scientific technique by which we can elucidate the workings of the marine system and predict it's evolution in both the short and long term.

This International symposium is being convened as a forum for presentation and discussion of all aspects of model based marine ecosystem research, encompassing numerical, conceptual, mathematical and statistical approaches, focussing on understanding and predicting the marine ecosystem rather than the technical aspects. This is highly relevant to today's major challenges such as climate change, sustainable management of marine bio-resources and human impacts on the marine system. The symposium will contribute to the next generation of model based exploration by providing scientists an opportunity to discuss and contrast recent advances, outstanding problems and future requirements.

The symposium is open to individual scientists, postdoctoral fellows and students interested in these fields of research. It is intended to publish selected papers from the conference in a special issue of the Journal of Marine Systems. The first call for papers will be issued in September 2007. See www.amemr.info for further details.

Symposium themes

The overall theme of AMEMR II is 'Bridging the gaps' where we wish to focus on the areas requiring greater synergy.

- How to deal with modelling ocean acidification
- Linking experiments to mechanistic models or from data to models and back
- Bridging the gap between lower and higher trophic levels (from physics to top predators)
- Challenges of modelling long-term effects of climate changes on marine ecosystems
- How can we feasibly model biodiversity and its impacts
- Model-Data Fusion
- Ecosystem Model Skill Assessment
- Inferring environmental indicators from models
- Individual-Based Models (IBM's): from Lagrangian to behavioural models
- Complex adaptive systems theory
- Pelagic and benthic ecosystem dynamics
- Lessons learnt from failures
- Forecasting, operational oceanography and developing predictive capabilities

This list is for guidance only and not meant to be exclusive. If you have an interesting relevant abstract please submit it.

The meeting will be held over 4 days in plenary session. Each day will start with an invited speaker followed by a response from a provocateur on a key topic followed by a series of short plenary talks. The Poster sessions will be held everyday during the lunch break.