



SEVENTH FRAMEWORK PROGRAMME  
THEME 6

Environment (Including Climate Change)

**MEECE WP2 Workshop Report: Resolving System specific key  
species, feedbacks and forcing workshop**

Proposal Acronym: **MEECE**

Proposal full title: **Marine Ecosystem Evolution in a  
Changing Environment**

Grant agreement no: **212085**

Date of preparation of report: **24/02/2009**

## **MEECE Systems (WP2) Workshop Report, February 2009**

### **Resolving System specific key species, feedbacks and forcing workshop**

*Workshop Leader: Mike St John*

*Dates: Monday 9<sup>th</sup> Feb and Thursday 12<sup>th</sup> Feb - Friday 13<sup>th</sup> 2009*

WP2 and WP1 established a common template for harvesting key information for model developers in terms of current approach and parameterizing priorities for each model coupling and geographical system of application. The aim is to:

- summarise current approaches for the MEECE participating model couplings
- identify key species for each model coupling and system
- identify key physiological rates for those key species

WP2 will report the synthesis of the gathered priorities in Month 9 (D2.1 Report on system specific key species, feedbacks and forcing), and the species and physiological rates priorities will help guide WP2 data harvesting and archiving from recent publications.

The workshop also discussed the technical and conceptual limits of 'plug and play' models as defined in T2.2 Creation of Module library. Jonathan Beecham (CEFAS) presented a MEECE proof of concept based on GOTM-Ecopath with Ecosim coupling, and providing lessons learned for anticipated MEECE model couplings.

**Action:** Gather data from all MEECE-participating models using agreed template and publish on the project site

**Action:** Synthesis of key species and physiological rates for parameterization

**Action:** Clarify the 'Model Library' achievable objective, and insure all model developers agree

**Action:** Technical guideline to what constitutes a 'stand alone' model coupling (with the help of Jonathan Beecham, CEFAS; Karsten Bolding, B&B)

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