

Brest, Ifremer, September 08 -11, 2009



**Integrated SIMulation tools for the ECOlogical-
ECONomic assessment of renewable resource systems
(SIMECO²)**

Plenary workshop

08th & 09th

**Integrated modelling approaches for the management
of marine resources**

Targeted workshops

10th & 11th

Workshop I	Social-Ecological modelling approaches
Workshop II	Developing the ecological perspective
Workshop III	Capturing economic and social drivers
Workshop IV	Models for management support

- ◆ With support of : BMO, Région Bretagne, Conseil Général
- ◆ In partnership with "Partenariat Hubert Curien France - Australie
Australian government's international science linkages program"

Plenary workshop 08th & 09th September 2009

Salon de l'Océan, Ifremer



“Integrated modelling approaches for the management of marine resources”



Tuesday 08th September 2009

09h00 09h30	-> Welcome & Introduction Olivier Thébaud, Stewart Frusher, Rich Little	14h00 14h20	Scenario templates to analyse qualitative ecosystem models Guy Fontenelle, Agrocampus, France
09h30 09h50	Modelling communities and fisheries dynamics under climate, economic and institutional constraints : approach within the CHALOUPE project Fabian Blanchard, Ifremer, France	14h20 14h40	Building from the inside out: incorporating the human and biological dimensions in fisheries models Stewart Frusher, TAFI-UTAS, Australia
09h50 10h10	Biophysical interactions, economies, ontologies and decision support models: Examples from temperate and tropical reefs Craig Johnson, TAFI-UTAS, Australia	14h40 15h00	Controlling the biological invasion of a commercial fishery by a space competitor Marjolaine Fresard, UBO, France
10h10 10h30	InVitro - Agents in a glass - a spatially explicit agent based model for regional marine ecosystems and economies Rich Little, CSIRO, Australia	15h00 15h20	Investigating the potential impact of MPAs on fisheries: what can be learnt from basic bioeconomic modelling? Jean Boncoeur, UBO, France
10h30 10h50	<i>Coffee</i>	15h20 15h40	<i>Coffee</i>
11h00 11h20	Discussion I	15h50 16h10	Tentative experiment of systematic conservation planning in the Eastern English Channel Sandrine Vaz, Ifremer, France
11h20 11h40	EcoTroph: a trophic-level based ecosystem modelling approach Didier Gascuel, Agrocampus, France	16h10 16h30	Discussion II
11h40 12h00	An ecosystem modelling for the viable management of the coastal fishery in French Guyana Sophie Gourguet, UBO, France	16h30 16h50	Allocation of TAC and fishing effort in mixed-fisheries: a bio-economic modelling approach applied to the Channel flatfish fisheries Paul Marchal, Ifremer, France
12h00 12h20	Population model assessments of fishing and other anthropogenic impacts on seabird populations Geoff Tuck, CSIRO, Australia	16h50 17h10	Economic Studies in Recreational Fishing in Tasmania Sarah Jennings, UTAS, Australia
12h20 12h40	Exploring ecological shifts using qualitative modelling: Alternative states on Tasmanian rocky-reefs Martin Marzloff, TAFI-UTAS, CSIRO, Australia	17h10 17h30	Management of Moored Fishing Aggregating Devices (FADS) in the Lesser Antilles: A Bio-Economic Approach Olivier Guyader, Ifremer, France
12h40 14h00	<i>Lunch</i>	18h00	<i>Drinks & Food Salon de la rade</i>

Wednesday 09th September 2009

09h10 09h30	Modelling the fleet dynamics of a small-scale mixed fishery Philippe Ziegler, TAFI-UTAS, Australia	14h00 14h20	The use of bioeconomic modelling to reform management of the Tasmanian rock lobster stock Caleb Gardner, TAFI-UTAS, Australia
09h30 09h50	Modeling Non-compliance with Resource Regulation Aaron Hatcher, University of Portsmouth, UK	14h20 14h40	Sustainable Management of an Hake--Anchovy Peruvian Ecosystem Model by Viability Methods Michel De Lara, ENPC, France
09h50 10h10	Viable coalitions in the commons Luc Doyen, CNRS, France	14h40 15h00	Risk and Sustainability: Assessing Fisheries Management Procedures Vincent Martinet, INRA, France
10h10 10h30	The development of the rock lobster lease quota market Ingrid Van Putten, CSIRO, Australia	15h00 15h20	Bio-economic modelling using the métier-fleet based approach and the IFREMER Fisheries Observatory Database: application to the Bay of Biscay Hake long-term management plan Michel Bertignac, Ifremer, France
10h30 10h50	<i>Coffee</i>	15h20 15h40	<i>Coffee</i>
11h00 11h20	Modelling the effect of the introduction of Individual Transferable Quotas in fisheries : the rock lobster in Tasmania Katell Hamon, Ifremer, UBO, TAFI-UTAS, CSIRO, Australia & France	15h50 16h10	Modeling the impacts of aquaculture growth and environmental fluctuations on small pelagic fisheries with a global model Gorka Merino, PML, UK
11h20 11h40	Combining fleet dynamics and population dynamics for a volatile fishery: the example of the anchovy fishery of the Bay of Biscay Youen Vermard, Ifremer, France	16h10 16h30	Faustmann Rotation and Aquaculture in the presence of an epidemic risk Patrice Loisel, INRA, France
11h40 12h00	Integrative modelling in the coastal zone: some (early) learnings from the SPICOSA project Rémi Mongrueil, Ifremer, France	16h30 16h50	Estimating the social cost of discards: the case of the Nephrops trawl fishery in the bay of Biscay Claire Macher, Ifremer, France
12h00 12h20	The Value of Water across a Catchment in Tasmania, Australia Christine Crawford, UTAS, Australia	16h50 17h10	How global sensitivity analyses can support fisheries management? Stéphanie Mahévas, Ifremer, France
12h20 12h40	Discussion III	17h10 17h30	Discussion IV
12h40 14h00	<i>Lunch</i>		

Targeted workshops 10th & 11th September 2009

Time	Thursday 10 th September	Friday 11 th September
09h30>10h30	Targeted workshops	Targeted workshops
10h30>10h50	<i>Coffee</i>	<i>Coffee</i>
11h00>12h40	Targeted workshops	Workshop reporting (plenary)
12h40>14h00	<i>Lunch</i>	<i>Lunch</i>
14h00>15h30	Targeted workshops	14h00>14h30 Wrap-up
15h30>16h00	<i>Coffee</i>	
16h00>17h00	Targeted workshops	

Targeted workshops			Moderators
<p style="text-align: center;">Targeted workshop I</p> <p style="text-align: center;">Social-ecological modelling approaches</p> <p style="text-align: center;">What is the current state of the art in integrated modelling of marine social-ecological systems & key areas for future development?</p>			<p style="text-align: center;">F. Blanchard, R. Little, O. Thébaud</p>
Blanchard	Little	Merino	
Soulié	Thébaud	Smith	
<p style="text-align: center;">Targeted workshop II</p> <p style="text-align: center;">Developing the ecological perspective</p> <p style="text-align: center;">How are fisheries models capturing the broader ecosystem issues?</p>			<p style="text-align: center;">S. Frusher, C. Johnson, S. Mahévas, J; Tuck</p>
Béganton	Frusher	Mahevas	
Boncoeur	Gourguet	Marzloff	
Fresard	Johnson	Pelletier	
<p style="text-align: center;">Targeted workshop III</p> <p style="text-align: center;">Capturing economic and social drivers</p> <p style="text-align: center;">How are fisheries models capturing the economic and social drivers of marine resource use?</p>			<p style="text-align: center;">P. Marchal, I. Van Putten, K. Hamon</p>
Hamon	Marchal	Van Putten	Ziegler
Hatcher	Mongruel	Vermard	Raux
<p style="text-align: center;">Targeted workshop IV</p> <p style="text-align: center;">Models for management support</p> <p style="text-align: center;">Will integrated approaches provide better decision support tools for the management of marine resources?</p>			<p style="text-align: center;">L. Doyen, O. Guyader, C. Gardner</p>
Bertignac	Doyen	Guillotreau	Jennings
De Lara	Gardner	Guyader	Loisel
Macher	Martinet		