



Program for the Ecopath 30 years conference

Conference Room, Institute of Marine Science (ICM-CSIC)
 Passeig Marítim de la Barceloneta, 37-49. E-08003 Barcelona (Spain)
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Day 1: Monday 10 November

Master of Ceremony: **Sheila Heymans** (SAMS, UK)

08:00 – 09:00	Registration
09:00	Opening by Master of Ceremony
09:00 – 10:00	Welcome
09:00 – 09:30	Isabel Palomera , Senior Researcher at ICM-CSIC and head of the local organization committee Albert Palanques , Director of the Institute of Marine Science
09:30 – 10:00	Opening keynote by Dr. Villy Christensen : Modelling marine ecosystems: Lessons learned and the road ahead
10:00 – 10:30	Coffee break
10.30 – 13:30	Session 1 – Scientific advice for management: from research to advisory tools Chairs: Steve Mackinson (CEFAS, UK), Villy Christensen (UBC, Canada)
10:30	Keynote by Dr. Steve Mackinson : A European perspective on modelling to support an ecosystem approach to management
11:00 – 13:15	Oral presentations
11:00	Adebola & De Mutsert – Reducing Anthropogenic Impacts on Nigerian Coastal Fisheries Resources
11:15	Bacalso & Wolff – Dynamic simulation model of illegal fishing gear removals in the Danajon Bank, Central Philippines
11:30	Fondo et al – The impacts of changes in prawn trawling effort on trophic structure after establishment of a Marine Park
11:45	Giacaman-Smith et al – Analysing recovery in the main demersal stocks from southern Chile in a multispecies context
12:00	Griffiths et al – Just a FAD? Potential ecological impacts of tuna purse seine fishing on Fish Attracting Devices in the western Pacific Ocean?
12:15	Meissa et al – Diagnosis of the ecosystem impact of fishing and trophic interactions between fleets: a Mauritanian application
12:30	Morato et al – Towards ecosystem based management of the Azores marine resources
12:45	Staebler et al – Potatoes of opportunity for fishing in the southern North Sea
13:00 – 13:30	Poster presentations
	Angelini et al – Comparing the maximum sustainable yield of commercial stocks with the ecosystem sustainability of fishing Bundy & Guenette – Loosening the corset: how real are wasp-waist ecosystems? Halouani et al – How Fishing impacts Mediterranean marine ecosystems? An EcoTroph modeling approach Kluger et al – Carrying capacity simulations as a tool for ecosystem-based management of a scallop aquaculture system

	<p>Lercari et al – A food web analysis of the Río de la Plata estuary and adjacent shelf ecosystem: trophic structure, biomass flows and the role of fisheries</p> <p>Gasalla et al – Ecosystem model of the Santos Basin Marine ecosystem, SE Brazil</p> <p>Opitz & Garilao – Impact of Commercial Fisheries on the Marine Ecosystem Within the German EEZ of the Western Baltic Sea</p> <p>Ramsvatn et al – The A-lex project: Environmental effects of increased shipping in the Arctic- a case study for the Pechora Sea</p> <p>Carvalho & Angelini – Fisher’s consulting and biological evidence to probe loss of fish diversity in a tropical coastal lagoon</p>
13:30 – 14:30	Lunch
14:30 – 18:00	<p>Session 2 – Informing and planning marine conservation</p> <p>Chairs: L. J. Shannon (UCT, South Africa), Chiara Piroddi (JRC, Europe)</p>
14:30	<p>Keynote lecture by Dr. Tony Pitcher:</p> <p>Marine protected areas in the Haida Gwaii ecosystem (Canada): modelling and policy issues</p>
15:00 – 17:30	Oral presentations
15:00	Wolff & Taylor – Simulating the combined effect of El Nino and the ban of the industrial fishery on the Galapagos Marine Reserve – an exploratory analysis using EwE
15:15	Barrier et al – Assessing the trophic functioning of the marine protected area of Portofina (Italy) with a standardized ecosystem model
15:30 – 16:00	Coffee break
16:00	Valls et al – Keystone species: a restored and operational concept to inform marine biodiversity conservation
16:15	Eddy et al – Trade-Offs between Invertebrate Fisheries Catches and Ecosystem Impacts in Coastal New Zealand
16:30	Rehren & Wolff – Modelling the Multispecies Fishery of Chwaka Bay, Zanzibar – Basis for Exploration of Use and Conservation Scenarios
16:45	Daskalov et al – Modelling spatial effects of illegal fishing in the north Caspian sea ecosystem
17:00	Morato et al – Deep-sea ecosystem model of the condor seamount
17:15	Fetzer – Implementing the Habitat Directive in Germany: case conventions versus Ecopath, Ecosim & Ecospace
17:30	Gruner – Effect of marine protected areas and fishing on population biomass of five species of Serranidae in La Paz Bay, Mexico: an Ecospace study
17:45 – 18:00	Poster presentations
	<p>Coll & Steenbeek – New software plug-in to calculate biodiversity and conservation-based indicators from Ecopath with Ecosim food web models</p> <p>Prato et al – Towards a balance between complexity and feasibility in food-web models of Mediterranean coastal ecosystems: addressing uncertainty while accounting for data collection constraints</p> <p>Bourdaud et al – Using models, to assess ecosystem indicators and define targets of the good environmental status.</p> <p>Arriagada & Neira – Analysing the collapse and lack of recovery of the two Nototeniid stocks in the Antarctic peninsula (Sub area 48.1)</p> <p>Lercari et al – Trophic models in the Southwestern Atlantic Ocean: evaluating structure and functioning of coastal ecosystem</p>
18:00 – 20:30	Poster session and welcome reception

Day 2: Tuesday 11 November

Master of Ceremony: **Simone Libralato** (OGS, Italy)

08:00 – 09:00	Registration
09:00	Opening by Master of Ceremony
09:00 – 13:00	Session 3 – Ecosystem evolution and challenges for management Chairs: Didier Gascuel (Agrocampus, France), Sebastian Villasante (University Santiago de Compostela, Spain)
09:00	Keynote lecture by Dr. Ken H. Andersen : Conflicting objectives for ecosystem based fisheries management
09:30 – 12:15	Oral presentations
09:30	Bevilacqua et al – Beyond anecdotal information: the use of fishers' knowledge to model fisheries
09:45	Hernandez-Milian et al – The importance of locally specific data in Ecopath models
10:00	Bentorcha et al – EcoTroph to assess changes in marine ecosystems – Application to the Bay of Biscay and Celtic sea case study
10:15	Kumar et al – Simulation of zebra mussel invasion and evaluation of impacts on the Mille Lacs Lake, Minnesota: An ecosystem model
10:30 – 11:00	Coffee break
11:00	Surma et al – Whaling, primary productivity and the changing structure of the Southern Ocean food web
11:15	Heymans & Tomczak – Regime shifts in the Northern Benguela, challenges for management
11:30	Lam & Pitcher – Niche Construction Theory and Ecosystem Stanza Modelling: Northern BC Fisheries
11:45	Zetina-Rejón et al – The relevance of cohesive structures in the self-organization of marine ecosystems
12:00	Colléter et al – A meta-analysis of ecosystems' trophic functioning: identification of typical trophic behavior and associated responses to fishing impact
12:15 – 13:00	Poster presentations
	<p>Abdou et al – The use of Ecospace model as a simulation tool for fisheries management plans: case of the Gulf of Gabes</p> <p>Arreguín-Sánchez et al – Developing scientific capacities through international collaboration for ecosystem-based management of marine resources facing climate change: Mexico, Uruguay and Colombia</p> <p>Arreguín-Sánchez et al – Ecosystem changes and “ecosystem limit reference level” for sustainable fisheries: the Campeche Bank Mexico as study case</p> <p>Bayle-Sempere et al – An ecosystem approach to the role of fish farming in coastal areas</p> <p>Bezerra et al – Wasp-waist control on food web of a tropical freshwater reservoir</p> <p>Akoglu et al – A comparative analysis on the ecosystem structure and functioning of four regional seas of Turkey (Black Sea, Marmara, Aegean and the Mediterranean)</p> <p>Hernández-Padilla et al – Management of aquatic ecosystems exploited by adaptability and sustainability: the case of fisheries in Sinaloa, Mexico</p> <p>Leite Lima et al – Using the Ecopath to simulate impacts on rivers</p> <p>Lobry et al – Structural vs Functional approaches. A first comparison between Water Framework Directive indicators and Ecological Network Analysis indices on European estuaries</p> <p>Neira et al – Analysing the ecological role of Falkland sprat (<i>Sprattus fueguensis</i>) in the inner sea of southern Chile</p> <p>Piroddi et al – Modelling the Mediterranean marine ecosystem as a whole: addressing the challenge of complexity</p> <p>Saygu et al – Modelling impacts of fishing on trophic energy flow in Mersin Bay, Northeastern Mediterranean</p> <p>Tierney et al – Modelling the Bioaccumulation of Sellafield-derived radiocarbon (¹⁴C) in the Marine Environment</p> <p>Xavier et al – A Trophic Model for Mamanguape Mangrove Estuary (Northeastern Brazil) confirms the prominence of detritus role</p>

13:00	Group photo
13:00 – 14:30	Poster sessions and Lunch
14:30 – 18:00	Session 4 – Modelling cumulative ecosystem dynamics Chairs: Marta Coll (IRD, France), Sheila Heymans (SAMS, UK)
14:30	Keynote lecture by Dr. Sheila Heymans & Dr. Marta Coll : Modelling cumulative ecosystem dynamics: progress and challenges
15:00 – 17:30	Oral presentations
15:00	Pedersen et al – Ecopath modelling of a subarctic Norwegian fjord after a decline in the coastal cod (<i>Gadus morhua</i>) stock and invasion of red king crab (<i>Paralithodes camtschaticus</i>)
15:15	Zhu et al – Ecotrophic modeling of anthropogenic cumulative impacts on the sustainability of fisheries productions: comparison of Lake Erie and Great Slave Lake ecosystems
15:30 – 16:00	Coffee break
16:00	Lozano-Montes et al – Evaluating the ecosystem effects of variation in recruitment and fishing effort in the western rock lobster fishery
16:15	Tecchio et al – Comparative ecological analysis of Mediterranean deep-sea ecosystems and simulations of global change
16:30	Caccin et al – Marine food webs and warming scenarios: modelling a thermophilic species invasion
16:45	Christensen et al – Representing variable habitat quality in a spatial food web model
17:00	Piroddi et al – Advances on modelling spatial-temporal ecosystem dynamics in the Mediterranean Sea
17:15	Pethybridge et al – Biochemical tracer techniques and their utilization in ecosystem models
17:35	Poster presentations
	<p>Reyes-Martínez et al – Trophic functioning of sandy beaches with different degrees of human disturbance</p> <p>Inoue et al – Temporal and spatial variability in overfished coastal ecosystems: a case study from Tango bay, Japan</p> <p>Corrales et al – Ecosystem structure and fishing impacts in the NW Mediterranean Sea using a food-web model within a comparative approach</p> <p>Corrales et al – Modelling the alien species impacts in marine ecosystems</p> <p>Gal et al – Dessim: a decision support system for the management of Israel’s Mediterranean exclusive economic zone (EEZ)</p> <p>Tomczak et al – Ecological network indicators of ecosystem status and change in the Baltic sea</p> <p>Tecchio et al – Modelling trophic flows in the seine estuary: comparison between habitats with contrasting impact</p> <p>Astorg et al – Shifting states of a Mediterranean food web evidenced by ecological network analysis</p> <p>Nascimento et al – Potential impacts of global changes on a Brazilian continental shelf and slope communities</p> <p>Camargo et al – Assessing the impact of hydroelectric dams on Amazonian rivers using Ecopath with Ecosim: a case study of the Belo Monte dam</p> <p>Coll et al – Cumulative effects of environmental and human activities in the southern Catalan Sea ecosystem (NW Mediterranean) associated with the Ebro river delta</p> <p>Simons et al – Gulf of Mexico species interactions (gomexsi): integrated ecosystem trophic data for Ecopath models and ecosystem based fisheries management</p>

Day 3: Wednesday 12 November

Master of Ceremony: **Chiara Piroddi** (JRC, Europe)

08:00 – 09:00	Registration
09:00	Opening by Master of Ceremony
09:00 – 12:30	Session 5 – End-to-End modelling Chairs: Simone Libralato, Ekin Akoglu (OGS, Italy)
09:00	Keynote lecture by Dr. Kerim Aydin : Ecopath and Ecosim in fisheries management: notes from two decades on the front lines
09:30 – 12:30	Oral presentations
09:30	Christensen et al – The global ocean is an ecosystem: Simulating marine life and fisheries
09:45	Paves et al – Trophic impact and keystone species in the two pelagic communities in the North Chilean Patagonian coastal system
10:00 – 10:30	Coffee break
10:30	Bundy et al – Modelling the potential effects of climate change on the Western Scotian Shelf ecosystem, Canada
10:45	Steenbeek et al – Bridging the gap between ecosystem modelling tools and geographic information systems: driving a food web model with external spatial-temporal data
11:00	Ruzicka et al – An intermediate complexity, physically coupled end-to-end model platform for coastal ecosystems
11:15	Akoglu et al – Two-way coupling of EwE in Fortran with an intermediate complexity NPZD model
11:30	Bulman et al – EwE models in Australia
11:45	Lewis et al – Using Ecopath with Ecosim and Ecospace to model the response of estuarine nekton to multiple habitat restoration scenarios in Barataria Bay, Louisiana, USA
12:00	Ofir et al – Managing Lake Ecosystem by using a food-web model – Lake Kinneret as a case study
12:15	Taylor & Wolff – Towards an ecosystem approach to fisheries in the Northern Humboldt Current System
12:30 – 12:45	Poster presentations
	Pavés et al – Carbon fluxes of the two pelagic communities in the North Chilean Patagonian coastal system
	Alexander et al – Modelling the potential benefits of marine renewable energy installations
12:45 – 14:00	Poster sessions and Lunch
14:00 – 17:30	Session 6 – What next? Villy Christensen (UBC, Canada), Marta Coll (IRD, France)
	<i>This session will be an open discussion with participants to the conference about ideas and suggestions for the future of the EwE approach and the field of ecological modelling.</i>
14:15 – 15:00	Poster presentations
	Lucey et al – Improving the EBFM Toolbox with an Alternative Open Source Mass Balance Model
	Colléter et al – EcoBase: a repository solution to gather and communicate information from EwE models
	Colléter et al – Overview of worldwide applications of the Ecopath with Ecosim approach using the EcoBase models repository
	Steenbeek et al – Programming with EwE: customizing EwE for your science
	The Executive Board of the Ecopath Consortium et al – The Ecopath Research and Development Consortium: the future of EwE
15:00	Open discussion
15:30 – 16:00	Coffee break
16:00	Open discussion (continued)
17:30 – 18:00	Closure of the Conference Awards to best oral and poster presentations

Instructions for oral presentations

Oral presentations will be allocated 15 minutes (including questions), except keynote presentations that will be 30 minutes (including questions).

Please submit your oral presentations to the registration desk when you arrive at the conference. Presentations must be delivered as Adobe PDF (.pdf) or PowerPoint (.ppt/.pptx) files. We (unfortunately) do not support KeyNote files.

Instructions for poster presentations

Posters should be in vertical format A0 (width 841mm x height 1189mm, portrait orientation). Posters should be put on the first day of the conference and will be on display for the entire conference. Please remove your posters at the third day of the conference, after the poster session (12.30-14.00). Any poster left at the end of the conference will magically disappear.

Posters should be briefly presented at dedicated 'poster presentations' scheduled the end of each Conference session. Each poster presentation is brief, no longer than 3 minutes per poster, with a maximum of 3 slides.

Please submit your poster presentations to the registration desk when you arrive at the conference. Presentations must be delivered as Adobe PDF (.pdf) or PowerPoint (.ppt/.pptx) files. We do not support KeyNote files.

