

Conservation Physiology of Marine Fishes

Current Status and Prospects for Policy

19 & 20 May, 2015

How the Roundtable will work:

The roundtable session will involve in-depth communication in relatively small groups. There is no specific agenda to follow but some key issues have been identified to serve as the focus (see below).

Discussions are informal but will be guided by a facilitator who will ensure discussion flows, has equity of participation, runs to time, etc. A separate note-taker will capture the key points raised and outcomes reached.

There is no pre-determined outcome, nor prescriptive sense of where discussions should go, provided all is relevant to the topic of the roundtable.

Everyone has equal status and we encourage you to speak freely, contributing your varied and valued experience and expertise.

Structure of the roundtable:

Julian Metcalfe will give an introduction to the roundtable and details on structure etc. There will be 5 roundtables each with approximately 20 participants, plus facilitator and note-taker.

The participants will already have been allocated to ensure a good mix of people, experience and regional influence.

Each group then discusses for a maximum of 1.5 hours (within the 2 hour timeslot – i.e. about 15 minutes per issue).

List of key issues:

- 1) What priority management issues should be addressed by researchers in conservation physiology?
- 2) How can conservation physiology help us bridge the knowledge-action boundary and enable managers to act?
- 3) What are the barriers to knowledge exchange between scientific research and advisory processes with respect to climate change and how can we overcome them?
- 4) Can purely curiosity-driven research in physiology be useful for conservation and conservation policy?
- 5) How can we refine policy/management issues so they can be more readily reflected into scientific questions and research proposals?
- 6) How can we simplify the outcome of conservation physiology research so that its relevance can be more easily appreciated and understood by policy advisors, managers and conservationists?



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COST FA1004 Final Conference: Provisional Programme

Tuesday 19 May 2015: State of the art

Chair : David McKenzie (UMR Marbec, Montpellier)

Time	Speaker	Title
08h30	David McKenzie	Introduction : Conservation physiology of marine fishes
08h55	David Patterson (DFO Canada)	Conservation physiology, science advice, and Fraser sockeye salmon management
09h20	Andrij Horodysky (Hampton University)	Conservation physiology on the high seas: Linking environment to ecology in pelagic fishes
09h45	Tom Catchpole (CEFAS Lowestoft)	Using physiology to inform on survival of discards in marine fisheries
10h10	REFRESHMENT BREAK	
10h40	Tobias Wang (University of Aarhus)	Oxygen Capacity Limited Thermal Tolerance: does one size fit all?
11h05	Göran Nilsson (University of Oslo)	Confused fish in a carbonated ocean
11h30	Dave Righton (CEFAS Lowestoft)	Habitat quality as perceived by a marine fish, inferred from biotelemetry
11h55	Rod Wilson (University of Exeter)	The contribution of marine fishes to global carbon cycles
12h20	LUNCH	
13h50	Christian Jørgensen (UniResearch Bergen)	Prosper or perish – modelling effects of climate warming on Atlantic cod
14h15	Paolo Domenici (CNR Oristano)	Predicting thermal habitat suitability in competing native and invasive fish species
14h40	Jaap van de Meer (VU Amsterdam)	Modelling energy budgets in agent-based models
15h05	Lorna Teal (IMARES Wageningen)	Dynamic energy budget models in applied fisheries research: Effects of climate change on fish habitat
15h30	REFRESHMENT BREAK	
16h00	PECHA KUCHA SESSION	
16h45	POSTER SESSION	
18h30	END OF SESSION	

Wednesday 20 May 2015: Prospects for Management

Chair : Julian Metcalfe (CEFAS Lowestoft)

Time	Speaker	Title
08h40	Hans-Otto Pörtner (AWI Bremerhaven)	Climate change impacts on the world's oceans: A sectoral analysis by IPCC AR5
09h05	Miranda Jones (U. of British Columbia)	Vulnerability of global marine fishes to multiple climate stressors
09h30	Hattab Tarek (University of Picardy)	Forecasting changes in the food-web structure of coastal marine assemblages
09h55	REFRESHMENT BREAK	
10h25	Myron Peck (University of Hamburg)	Integrating physiology into models for management and projection
10h50	Keith Brander (DTU Aqua, Copenhagen)	Reliable fisheries projections require better representation of processes
11h15	Steven Cooke (Carleton University)	Individuals matter in an Ecosystems Approach to Fisheries
11h40	Silvana Birchenough (CEFAS Lowestoft)	A traits-based approach for conservation physiology of marine fishes
12h05	LUNCH	
13h30	Barbara Livoreil (Foundation for Biodiversity Research)	Evidence-based approaches for integrating science into conservation policy
13h55	Julian Metcalfe (CEFAS Lowestoft)	An introduction to the round table : making the physiology of marine fishes relevant to conservation policy
14h20	Round Table	
15h20	REFRESHMENT BREAK	
15h50	Round Table	
16h50	David McKenzie	Concluding remarks
17h00	END OF CONFERENCE	