

Theme Session O

Spatio-temporal characteristics of fish populations in relation to environmental forcing functions as a component of ecosystem-based assessment: effects on catchability

Conveners: François Gerlotto (France) and Doug Beare (Italy)

Agenda and Order of the Day

Wednesday 20 September 08.30–10.00 (Auditorium 2)

Wednesday 20 September 10.30–13.00 (Auditorium 2)

		Time
1.	Opening	08.30
2.	Introduction	08.30
3.	Presentation of Papers	08.45
<i>Code</i>	<i>Author(s) and title</i>	
O:01	<i>Michael G. Frisk, Steve J. D. Martell, Kathy Sosebee, and Thomas J. Miller: An age-structured model of winter skate abundance in the western Atlantic: Sustainability and uncertainty</i>	08.45–09.00
O:03	<i>Emma Orlova, A. Dolgov, V. Boitsov, N. Ushakov, and G. Rudneva: Long-term variations in the relationships between the main components of the Barents Sea ecosystem (cod and capelin), ecological and physiological aspects of their interactions</i>	09.00–09.15
O:07	<i>K. Moumouni, S. Mahévas, P. Bellois, L. Penors, O. Le Pape, and J. F. Holley: Assessment of the influence of some environmental variables on trawl catches using a semiparametric mixed model</i>	09.15–9.30
O:08	<i>Jennifer L. Miksis-Olds and Kevin D. Stokesbury: An autonomous system for evaluating groundfish populations: the Ocean Groundfish Observatory</i>	09.30–9.45
O:12	<i>Douglas C. Reese and R. D. Brodeur: Spatial and temporal analysis of nekton community dynamics in a variable environment: changes in the nekton dominance structure associated with persistent biological hotspots</i>	09.45–10.00
	Coffee break	10.00–10.30
O:05	<i>Mathieu Woillez, P. Petitgas, J. Rivoirard, J.-C. Poulard, P. Fernandes, R. ter Hofstede, K. Korsbrekke, A. Orłowski, M. T. Spedicato, and C.-Y. Politou: Relationships between population spatial occupation and population dynamics</i>	10.30–10.45
O:06	<i>Sandrine Vaz, S. Pavoine, P. Koubbi, C. Loots, and F. Coppin: Comparative study of habitat modelling strategies to investigate marine fish life cycle: A case study on whiting in the Eastern English Channel</i>	10.45–11.00
O:17	<i>Patrice Brehmer, C. Laurent, A. Achury, and F. Gerlotto: School type: a phenotypic result of behavioural response to independent stimuli, as demonstrated by a comparative observation of the schooling behaviour of small pelagic fish</i>	11.00–11.15

O:09	<i>Lise Langard, Leif Nøttestad, Arne Johannessen, Anders Fernö, Jan Tore Øvredal, Rune Vabø, Georg Skaret, and Gro Nilsson</i> : How and why acoustic detectability and catchability of herring change with individual motivation and physiological state in a variable environment: a multi-scale study on a local herring population in south-western Norway	11.15–11.30
O:11	<i>E. W. North, M. Christman, J. H. Vølstad, R. R. Hood, T. F. Gross, L. Zhong, Z. Schlag, D. Lewis, J. Dew, M. Li, J. L. Manuel, R. I. E. Newell, and V. S. Kennedy</i> : Investigating the influence of environmental variability and larval behavior on oyster populations with linked larval transport and fisheries demographic models	11.30–11.45
O:13	<i>A. M. Brown, J. M. Bellido, V. Valavanis, and A. Giráldez</i> : Investigating the distribution of small pelagic fish in Spanish Mediterranean waters using environmental modelling and essential fish habitat	11.45–12.00
O:04	<i>S. M. Kasatkina</i> : Spatial distribution characteristics of fishing species in relation to trawl catchability as an important component in stock assessment and management	12.00–12.15
O:02	<i>B. M. Shatokhin, D. N. Klochkov, B. N. Kotenev, and V. M. Borisov</i> : Assessment of the NEA cod (<i>Gadus morhua</i>) stock on the basis of the satellite synoptical monitoring and informational technology	12.15–12.30
	Discussion	12.30–13.00
	Closing	13.00

Posters

O:18	<i>Dmitri Vasilyev</i> : Change in catchability caused by year class peculiarities: how stock assessment based on separable cohort models is able to take it into account?
O:19	<i>B. Guijarro, E. Massutí, J. Moranta, P. Oliver, J. M. Hidalgo, and A. Carbonell</i> : Spatio-temporal population dynamics of <i>Aristeus antennatus</i> in relation to environmental factors in the Balearic Islands (Western Mediterranean sea)
O:21	<i>Igor Studenov</i> : Monitoring of the Atlantic salmon smolt migration in a large river system