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Theme Session P Operational solutions for cephalopod fisheries and culture

Conveners: Marina Santurtun (Spain), Joao Pereira (Portugal), Begoña Santos (Spain), and Jean-Paul Robin (France)

CM Code	Oral Presentations	
P: 01 Oral	Title:	Environmental impacts on migrations of <i>Illex argentinus</i> in the Southwest Atlantic with applications to the distribution of fishing fleet
	Author:	Alexander Arkhipkin
	Keywords:	Southwest Atlantic, Falkland Islands, <i>Illex argentinus</i> , migrations, fishing fleet
P: 02 Oral	Title:	Modelling seasonal variability of cephalopod abundances of three contrasting species from Western Mediterranean Sea
	Authors:	P. Puerta, M. Hidalgo, and A. Quetglas
	Keywords:	seasonality, cephalopods, environmental variability, spatio-temporal trends
P: 03 Oral	Title:	Common octopus (<i>Octopus vulgaris</i> , Cuvier 1797) abundance dynamics and its relationship with environmental parameters on the Portuguese Northwest Coast
	Authors:	Sílvia Lourenço, Carlos Soderblohm, Inês Cardoso, Ana Moreno, Cristina Silva, Karim Erzini, and João Pereira
	Keywords:	common octopus, fisheries, abundance, environment
P: 04 Oral	Title:	Development of a predictive tool for English Channel squids abundance (<i>Loligo forbesii</i> and <i>Loligo vulgaris</i>) applicable early in the fishing season: linear approach using climatic data
	Authors:	Edouard Duhem and Jean-Paul Robin
	Keywords:	squid, <i>Loligo forbesii</i> , <i>Loligo vulgaris</i> , English Channel, abundance index, Delta-GLM, climatic variations, Bayesian
P: 05 Oral	Title:	Untangling drivers, mechanisms and scales of environmental effects on squid availability to a seasonal inshore fishery
	Authors:	Owen C. Nichols, Jeremy R. King, Jonathan A. Hare, and Steven X. Cadrin
	Keywords:	cephalopod, <i>Doryteuthis pealeii</i> , distribution, abundance, temperature, climate
P: 06 Oral	Title:	Environmental effects on <i>Octopus vulgaris</i> landings in northwest Spanish waters
	Authors:	Gersom Costas, Isabel Bruno, and Graham J. Pierce
	Keywords:	<i>Octopus vulgaris</i> , environmental variables, landings, general additive model, time series



CM Code	Oral Presentations	
P: 07 Oral	Title:	Thermal habitat compression and density-dependent overwintering mortality in longfin inshore squid: Theory, empirical support, and a possible application enhancing the flexibility of fisheries management
	Authors:	John Pilling Manderson, Howard Townsend, Josh Kohut, Laura Palamara, and Enrique Churchister
	Keywords:	dynamic habitat, habitat mediated density dependence, longfin inshore squid
P: 08 Oral	Title:	Spatial differences and temporal trends in cephalopod populations along the Mediterranean
	Authors:	Stefanie Keller, Valerio Bartolino, Manuel Hidalgo, Antoni Quetglas, Isabella Bitetto, Loredana Casciaro, Antonio Esteban, Cristina Garcia, Germana Garofalo, Marios Iosifides, Angelique Jadaud, Argyris Kallianiotis, Evgenia Lefkaditou, Porzia Maiorano, Bojan Marceta, Enric Massuti, Roberta Mifsud, Panagiota Peristeraki, Paolo Sartor, Maria Teresa Spedicato, and George Tserpes
	Keywords:	Mediterranean, cephalopods, community analysis, spacio-temporal distribution
P: 09 Oral	Title:	Unraveling squid paralarvae diversity off a coastal upwelling ecosystem (Ría de Vigo)
	Author:	Lorena Olmos-Pérez, Álvaro Roura, and Ángel F. González
	Keywords:	Loliginids, paralarvae, molecular identification, Galicia
P: 10 Oral	Title:	Stylet increment analysis in <i>Eledone cirrhosa</i> from the Northwestern Iberian population
	Authors:	M. Regueira, Ángel F. González, and Ángel Guerra
	Keywords:	<i>Eledone cirrhosa</i> , stylets, age, growth, Northeastern Iberian waters
P: 11 Oral	Title:	Sustainability of cephalopod fisheries across the World: fluctuations, stock assessment and management
	Authors:	Vladimir Laptikhovsky and Beatriz Roel
	Keywords:	cephalopod, fishery, stock assessment, management
P: 12 Oral	Title:	First steps towards providing management advice for the Bay of Biscay squid (<i>Loligo vulgaris</i>)
	Authors:	Leire Ibaibarriaga, Sonia Sanchez, Marina Santurtun, Ane Iriondo, Edouard Duhem, and Jean-Paul Robin
	Keywords:	<i>Loligo vulgaris</i> , biomass dynamic model, data-limited stocks, Bay of Biscay
P: 13 Oral	Title:	Much ado about nothing – the Algarve small-scale octopus fishery flare 4 years hence – non-issues and realities
	Authors:	João Pereira, Manuela Azevedo, and Cristina Pita
	Keywords:	Octopus, SSF, management, Portugal
P: 14 Oral	Title:	Can we manage Mediterranean cephalopod stocks at MSY by 2015?
	Author:	Antonio Quetglas, S. Keller, and E. Massuti
	Keywords:	MSY, assessment, management, cephalopods, Mediterranean



CM Code	Oral Presentations
P: 15 Oral	<p>Title: Environmental and fishery-driven dynamics of the common octopus (<i>Octopus vulgaris</i>) based on time-series analyses from leeward Algarve, southern Portugal</p> <p>Authors: Carlos P. Sonderblohm, João Pereira, and Karim Erzini</p> <p>Keywords: environment, <i>Octopus vulgaris</i>, Portugal, recruitment, time-series, trap fishing, trends</p>
P: 16 Oral	<p>Title: Good environmental status for cephalopods in UK waters?</p> <p>Authors: G.J. Pierce, L.C. Hastie, N. El Shanawany, V. Valavanis, J. Fernandez, A. Arkhipkin, J.-P. Robin, J. Ellis, F. Burns, S.P.R. Greenstreet, and B. Roel</p> <p>Keywords: squid, octopus, cuttlefish, baselines, environmental relationships, MSFD</p>
P: 17 Oral	<p>Title: Spatial and temporal distribution patterns of the effort of cuttlefish (<i>Sepia officinalis</i>) fishery at the Marine Reserve of Fishing Interest Ría de Cedeira (Galicia, NW Spain)</p> <p>Authors: Ana Tubío and Ramón Muiño</p> <p>Keywords: cephalopod, cuttlefish, artisanal fisheries, management, marine protected areas, <i>Sepia officinalis</i></p>
P: 18 Oral	<p>Title: Nursery and spawning areas of the squid <i>Loligo vulgaris</i> on the Portuguese Northwest Coast</p> <p>Authors: Ana Moreno, Corina Chaves, Sílvia Lourenço, Hugo Mendes, and João Pereira</p> <p>Keywords: <i>Loligo vulgaris</i>, nurseries, spawning areas, essential habitat</p>
P: 19 Oral	<p>Title: Using statistical time series approaches in the characterization and monitoring of cephalopod fisheries</p> <p>Authors: N. Prista, J. Pereira, and A. Moreno</p> <p>Keywords: time-series analysis, landings, forecasts, cephalopods, Portugal</p>
P: 20 Oral	Withdrawn
P: 21 Oral	<p>Title: Competing strategies of two fleets (artisanal and recreational) for assuring fishing activity and resource sustainability</p> <p>Authors: Estanis Mugerza, Luis Arregi, Ane Iriondo, Lucia Zarauz, Jon Ruiz, and Marina Santurtun</p> <p>Keywords: Cephalopods catches, artisanal and recreational fisheries, assessment, fleet interaction</p>
P: 22 Oral	<p>Title: Investigating husbandry and enrichment for captive common European cuttlefish (<i>Sepia officinalis</i>)</p> <p>Authors: Gavan M Cooke and Belinda M. Tonkins</p> <p>Keywords: Cephalopods, Cuttlefish, welfare, husbandry, enrichment, aquaculture</p>
P: 23 Oral	<p>Title: European research surveys for fisheries assessment vs the ARRIVE Guidelines: or how to reduce unnecessary mortality on some species – octopus, rays and demersal sharks in Portuguese surveys</p> <p>Authors: João Pereira, Sílvia Lourenço, Corina Chaves, Irineu Batista, Bárbara Serra-Pereira, and Ivone Figueiredo</p> <p>Keywords: ARRIVE guidelines, animal welfare, octopus, rays, sharks</p>



CM Code		Oral Presentations
P: 24 Oral	Title:	A joint academic-industrial project to culture the Asian common octopus commercially using land-based aquaria
	Authors:	Ian G. Gleadall, Goh Nishitani, Masami Abe, Keiji Matsubara, Nobuhiko Akiyama, Masazumi Nishikawa
	Keywords:	<i>Octopus sinensis</i> , aquaculture, paralarvae, feed
CM Code		Posters
P: 25 Poster	Title:	Trophic ecology of juvenile cuttlefish from the main spawning grounds of the English Channel
	Authors:	K. Grangeré, S. Lefebvre, J. Lepoittevin, and J.P. Robin
	Keywords:	diet, stable isotopes, stomach contents, cuttlefish, trophic web
P: 26 Poster	Title:	What about recreational fishing? Estimating total harvest from the recreational squid fishery
	Authors:	Miguel Cabanellas-Reboredo, Josep Alós, Miquel Palmer, Ángel Guerra, and Beatriz Morales-Nin
	Keywords:	recreational fishery, angler typology, total harvest, <i>Loligo vulgaris</i> , fishing effort, catch rates
P: 27 Poster	Title:	Spawning habitat selection by <i>Octopus vulgaris</i> : A new tool for sustainable management of this resource in NE Atlantic
	Authors:	Ángel Guerra, Jorge Hernández-Urcera, Manuel E. Garci, Marta Sestelo, Marcos Regueira, Ángel F. González, Miguel Cabanellas-Reboredo, Matías Calvo-Manazza, and Beatriz Morales-Nin
	Keywords:	<i>Octopus vulgaris</i> , essential habitat, visual censuses, environmental variable, fisheries management, marine protected areas
P: 28 Poster	Title:	Squid jigging: An important emerging fishery for the Manx economy?
	Authors:	Isobel Bloor, Sam Dignan, Lee Murray, Michel Kaiser
	Keywords:	cephalopods, squid, jigging, Isle of Man, economy