

Theme session H

Drivers of sustainability in fisheries for non-quota and data-poor species

Conveners: Graham Pierce (Spain), Anne-Marie Power (Ireland), Jean-Paul Robin (France)

Thursday 12 September 2019, 10:30-12:00, Room H1

Thursday 12 September 2019, 13:00-15:00, Room H1

Thursday 12 September 2019

10:30 Introduction to Theme session H

CM Code: H:61

Title: Age structure of spawners in common cuttlefish in the English Channel: dealing with climate changes

10:35 Authors: Christopher Barrett, Chris Firmin, Lucy Shuff, Vladimir Laptikhovsky

Keywords: cuttlefish, *Sepia officinalis*, English Channel, age, spawning

Presentation type: Oral

CM Code: H:133

Title: Status and trends of European cephalopod stocks

10:47 Authors: Graham John Pierce, J-Pl. Robin, A. Moreno, M. Santurtun, A. Iriondo, I. Sobrino, L. Silva, J. Valeiras, B. Santos, C. Perales Raya, V. Laptikhovsky, C. Barrett, D. Oesterwind, S. Villasante, A. M. Power, U. Piatkowski, L. Hendrickson

Keywords: squid, octopus, cuttlefish, data-poor, climate change, time-series

Presentation type: Oral

CM Code: H:254

Title: Disentangling the effect of a skate fisheries ban from climate change and fishing activities

10:59 Authors: Sophie Elliott, Alexandre Carpentier, Angela Larivain, Eric Feunteun, Thomas Trancart

Keywords: Skates, fisheries ban, climate change, abundance, fishing pressure, stocks

Presentation type: Oral

CM Code: H:263

Title: Changes in North Sea cephalopod fauna and their commercial landings

11:11 Authors: Daniel Oesterwind, Vladimir Laptikhovsky, Anne Sell

Keywords: cephalopod, North Sea, life cycle changes, landings

Presentation type: Oral

CM Code: H:286

Title: Long term trends in length at maturity and life history of *Loligo forbesii* in European waters

11:23 Authors: Leigh Barnwall, A. Louise Allcock, Mark P. Johnson, Graham J. Pierce, Michael Petroni, Jean-Paul Robin, Edel Sheerin, Anne Marie Power

Keywords: length-maturity, sex ratio, spatial variability, temporal variability

Presentation type: Oral

CM Code: H:388

Title: Stock assessment of data-poor fisheries species in Falkland Islands waters

11:35 Authors: Jorge E. Ramos, Andreas Winter, Alexander Arkhipkin

Keywords: Data-poor species, bottom-trawl fisheries, by-catch, Southwest Atlantic, Southeast Pacific

Presentation type: Oral

CM Code: H:411

Title: Bycatch or not bycatch, that is the question

11:47 Authors: Patrik Börjesson, Valerio Bartolino

Keywords: by-catch, fishermen behaviour, halibut, North Sea, targeting

Presentation type: Oral

12:00 Lunch

CM Code: H:425

Title: Insights into Ommastrephid squid life cycles from fishery and survey catches in the Iberian Peninsula

13:00 Authors: Fábio L. Matos, Fábio Lopes Matos, Catarina Cavaleiro, Ana Moreno, Julio Valeiras, Esther Abad, Graham Pierce, Cristina Pita

Keywords: cephalopods, short-finned squid, landings, life-cycle biology, management

Presentation type: Oral

CM Code: H:430

Title: Regionalised life-history parameters of cuttlefish (*Sepia officinalis*) in Portugal as a tool to assess species vulnerability to fishing

13:12 Authors: Alberto Rocha, Miguel Gaspar, Ivone Figueiredo, Fábio Pereira, Paulo Vasconcelos, Ana Moreno

Keywords: cuttlefish, *Sepia officinalis*, life history, small scale fisheries, Portugal.

Presentation type: Oral

CM Code: H:439

Title: *Octopus vulgaris* in Portuguese waters: population dynamics and stock assessment trials

13:24 Authors: Ana Moreno, Alberto Rocha, Ivone Figueiredo

Keywords: *Octopus vulgaris*, stock assessment, small scale fisheries, Portugal

Presentation type: Oral

CM Code: H:476

Title: Three Monte-Carlo methods for data-limited stock assessment

13:36 **Authors:** Giuseppe Scarcella, Rainer Froese, Henning Winker, Gianpaolo Coro, Nazli Demirel, Cristina Garilao, Athanassios C. Tsikliras, Donna Dimarchopoulou, Manuel Dureuil, Daniel Pauly
Keywords: biomass depletion, data-poor stocks, healthy size structure, Monte-Carlo methods, proxies for MSY
Presentation type: Oral

CM Code: H:531
Title: Do non-quota species tend to be overexploited? Preliminary diagnostics in Northeast Atlantic Cephalopod Stocks using surplus production models
13:48 **Authors:** Angela Larivain, Anne Iriondo, Leire Ibaibarriaga, Marina Santurtún, Anne Marie Power, Ana Moreno, Graham Pierce, Ignacio Sobrino, Christopher Barret, Jean-Paul Robin
Keywords: Data-limited methods, Pella-Tomlinson model, SPICT, biological reference points, cephalopods population dynamics, stock assessment
Presentation type: Oral

CM Code: H:534
Title: Uncontrolled high seas fishery threatens the sustainability of one of the most abundant resources in the Southwest Atlantic, squid *Illex argentinus*
14:00 **Authors:** Arkhipkin, A.I.
Keywords: *Illex argentinus*, data poor, data rich, stock estimates, high seas
Presentation type: Oral

CM Code: H:542
Title: Cephalopod species in the English Channel nektonic community sampled during the CGFS surveys. Can interspecific relationships improve predictions of squid cohort strength?
14:12 **Authors:** Jean-Paul Robin, Manel Amira Khobzi Clara Menu Angela Larivain Nathalie Niquil Franck Coppin Raphaël Girardin Morgane Travers-Trolet
Keywords: Trawl survey, demersal community, multivariate analysis, variable selection, preseason assessment, inter-specific interactions, Loliginid squid
Presentation type: Oral

CM Code: H:563
Title: Feeding global seafood markets through cephalopods: current and future trends
14:24 **Authors:** Sebastian Villasante, Garcia Rodrigues J, Pita P, Pita C, Fábio Matos, Silvia Monteiro, Sónia Olim, Catherine Longo, Verutes G, Power, AM
Keywords: Cephalopods, globalization, economics, seafood markets, value chain, Europe, Iberian Peninsula
Presentation type: Oral

CM Code: H:634
Title: Are fish sensitive to trawling recovering in European waters?
14:36 **Authors:** Anna Rindorf, Henrik Gislason, Dave Reid
Keywords: Sensitive fish, DLS assessment of abundance, species recovery
Presentation type: Oral

14:48 **Discussion**

15:00 **End of session**

Posters

CM Code: H:134
Title: Assessment of cephalopods in European waters: state of the art and ways forward
Authors: Graham John Pierce, J-P. Robin, C. Montero, C. Barrett, A. Gonzalez, B. Santos, A. Moreno, M. Santurtun, A. Iriondo, I. Sobrino, L. Silva, J. Valeiras, C. Perales Raya, V. Laptikhovsky, D. Oesterwind, S. Villasante, C. Pita, A. M. Power, L. Hendrickson
Keywords: squid, octopus, cuttlefish, data-poor, good environmental status, fishery certification, fishery management
Presentation type: Poster

CM Code: H:205
Title: Catch and discards of cephalopods in bottom trawl fisheries of north Spanish waters
Authors: Julio Valeiras, Esther Abad, Eva Velasco, Jose Castro, Josefina Teruel, Hortensia Araujo, Antonio Punzón, Francisco Velasco
Keywords: cephalopods, trawl fishing, discards, fisheries assessment
Presentation type: Poster

CM Code: H:206
Title: Identifying factors that affect horned octopus *Eledone cirrhosa* abundance at North Spanish fishing grounds
Authors: Esther Abad, Julio Valeiras, Eva Velasco, Francisco Velasco, Alberto Serrano, Antonio Punzón, Graham Pierce
Keywords: cephalopods, trawl fishing, discards, abundance trends, GAM
Presentation type: Poster

CM Code: H:352
Title: Assessment of ecological and fish biological parameters for the development of effective management strategies of of *Coregonus maraena* (Bloch, 1779)
Authors: Dominik Bernolle, Gerd-Michael Arndt
Keywords: *Coregonus maraena*, Szczecin Lagoon, Peenestrom, Achterwasser, diadromous, migratory whitefish, fisheries, Baltic Sea, Germany
Presentation type: Poster

CM Code: H:402
Title: Commercial catches of non-quota managed species by Swedish west coast fisheries: how important are they?
Authors: Sofia Carlshamre and Katja Norén, P. Börjesson, K. Ringdahl, D. Valentinsson, N. Prista

