

Main Menu

Theme Session A

Gelatinous zooplankton on a global perspective: interactions with fisheries and consequences for Social-economics

Conveners: Cornelia Jaspers (Denmark), Richard Brodeur (PICES), and José Luis Acuña (Spain)

CM Code	Oral Presentations	
A: 01 Oral	Title:	Recurrent jellyfish blooms in the East Asian seas: how to adapt and manage for fisheries sustainability
	Authors:	Shin-ichi Uye
	Keywords:	Aurelia aurita, Nemopilema nomurai, causes, forecast, countermeasures, fisheries sustainability, adaptation, management, East Asian seas
A: 02 Oral	Title:	Has the biomass of jellyfish already surpassed small pelagic fish in the NW Mediterranean Sea? Results from an intense spatiotemporal survey during 2011-2014 and comparison with the long-term trend.
	Authors:	Martin K.S. Lilley, Leo Berline, Martina Ferraris, Amanda Elineau, Perrine Cuvilliers, Lars Stemmann, Fabien Lombard
	Keywords:	Jellyfish, spatial and temporal distribution, abundance, biomass, carbon flux
A: 03 Oral	Title:	Fish, jellyfish, and Killing the Winner
	Authors:	Anders F. Opdal and Dag L. Aksnes
	Keywords:	jellyfish, fish, competition, eutrophication, water clarity
A: 04 Oral	Title:	Jellyfish, Forage Fish and the World's Major Fisheries
	Authors:	Kelly L. Robinson, W. Monty Graham, Richard D. Brodeur, James J. Ruzicka, Frank J. Hernandez, Mary Beth Decker, Marcelo Acha, Hermes W. Mianzan, Javie
	Keywords:	wasp-waist species, forage fish fisheries, jellyfish blooms, ecosystem transformation, ecosystem-based fisheries management
A: 05 Oral	Title:	Impact of <i>Pelagia noctiluca</i> jellyfish on fish populations: predation and food competition in the NW Mediterranean
	Authors:	Uxue Tilves, Jennifer E. Purcell, Verónica Fuentes, Josep-Maria Gili, Vanesa Raya, Maria Pascual, Ana Sabatés
	Keywords:	scyphozoan, gut content, digestion time, ichthyoplankton, zooplankton
A: 06 Oral	Title:	Role of large coastal jellyfish and forage fish as energy transfer pathways in the northern Gulf of Mexico
	Authors:	Kelly L. Robinson, James Ruzicka, Mary Beth Decker, Frank Hernandez, Richard D. Brodeur, and W. Monty Graham
	Keywords:	forage fish, Gulf menhaden, jellyfish, ecosystem modeling, Gulf of Mexico, ecosystem-based fisheries management

CM Code	Oral Presentations	
A: 07 Oral	Title:	Effects of Pelagia noctiluca jellyfish swarms on caged gilthead sea bream
	Authors:	Bosch-Belmar, M., Kéfi-Daly Yahia, O., M'Rabet, C., Dhaouadi, R., Fuentes, V., Chalghaf, M., Piraino, S.
	Keywords:	marine aquaculture, gelatinous zooplankton, fish mortalities, gill disorders
A: 08 Oral	Title:	Distribution of the non-indigenous ctenophore Mnemiopsis leidyi and impact on plankton community structure in the Eastern English Channel - Southern North Sea region
	Authors:	Elvire Antajan, Vincent Cornille, Kris Hostens, Valérie Lefebvre, Sophie Pitois, Morgane Travers-Trolet, Lies Vansteenbrugge, Dorothee Vincent, David
	Keywords:	Mnemiopsis leidyi, spatial distribution, plankton typology, English Channel, Southern North Sea
A: 09 Oral	Title:	Fine-scale vertical distribution and migration of gelatinous zooplankton and ichthyoplankton in the northern Gulf of Mexico
	Authors:	Jessica Y. Luo, Cedric M. Guigand, Robert K. Cowen
	Keywords:	diel vertical migration, ichthyoplankton, gelatinous zooplankton, gulf of mexico, imaging systems, trophic interactions
A: 10 Oral	Title:	The influence of habitat occupancy by gelatinous zooplankton on pelagic community in Barents Sea ecosystem.
	Authors:	Elena Eriksen
	Keywords:	gelatinous zooplankton, habitat occupancy, biomass, Barents Sea
A: 11 Oral	Title:	Comparison between introduced and native ctenophores in Nordic waters
	Authors:	Lena Granhag, Aino Hosia
	Keywords:	comb jelly, invasive species, native species, feeding rates
A: 12 Oral	Title:	Gelatinous zooplankton in the Belgian part of the North Sea and the adjacent Schelde estuary: a real problem?
	Authors:	Lies Vansteenbrugge, Kris Hostens, Tina Van Regenmortel, Marleen De Troch, Magda Vincx
	Keywords:	Gelatinous zooplankton, spatial and temporal distribution, Belgian part of the North Sea, Schelde estuary
A: 13 Oral	Title:	Does the "snot" of the oceans matter? Engaging with the public on gelatinous zooplankton. Lessons learned from The Danish Eel Expedition 2014.
	Authors:	Line Reeh (1), Cornelia Jaspers (1), Sune Riis Sørensen (1), Mads Christoffersen (1), Torkel Gissel Nielsen (1) and Peter Munk (1).
	Keywords:	gelatinous zooplankton, snot, communication, public engagement, public outreach, social media, press, Sargasso Sea, European Eel, www.facebook.com/aaleekspedition

CM Code	Oral Presentations	
A: 14 Oral	Title:	Range expansion of the Sea Nettle (<i>Chrysaora quinquecirrha</i>) and impacts on pelagic food webs
	Authors:	Paul A. X. Bologna, John J. Gaynor, Christie Castellano, Dena Restaino
	Keywords:	Jellyfish invasion, top-down, <i>Chrysaora</i> , <i>Mnemiopsis</i>
A: 15 Oral	Title:	Coelenterates on the upswing along the west coast of India - review of data from International Indian Ocean Expedition (IIOE, 1960-1965) to 2005
	Authors:	Rosamma Stephen
	Keywords:	jelly fish blooms, coelenterates, fishery
A: 16 Oral	Title:	A density dependent <i>Thalia democratica</i> population model
	Authors:	Natasha Henschke, James A Smith, Jason D Everett, Iain M Suthers
	Keywords:	salps, salp swarm, <i>Thalia democratica</i> , population model
A: 17 Oral	Title:	Scyphozoan medusae: the seasonal and spatial distribution along transects through the Baltic Sea
	Authors:	Elena Karasiova, Igor Karpushevski and Alexander Zezera
	Keywords:	scyphozoan medusae, distributional traits, biotopes
A: 18 Oral	Title:	Along-shore and cross-shelf distributions of planktonic cnidarians during autumnal offshore transport in the southern Gulf of Mexico
	Authors:	Martell L., Sánchez-Ramírez M., Ocaña-Luna A.
	Keywords:	jellyfish, hydromedusae, siphonophores, offshore transport, Bay of Campeche
A: 19 Oral	Title:	Changes in jellyfish populations during mucilage event in the Izmit Bay (the northeastern Marmara Sea).
	Authors:	Melek Isinibilir
	Keywords:	
A: 20 Oral	Title:	Invited speaker
	Authors:	Veronica Fuentes
	Keywords:	
A: 21 Oral	Title:	Laboratory studies on planulae and polyps of scyphozoans help reveal the dynamics and constraints of North Sea jellyfish populations
	Authors:	Maria Gambill, Marc Hufnagl, Markus Kreuz, and Myron A. Peck
	Keywords:	jellyfish, planulae, polyps, ecophysiology, laboratory, experiments, biophysical modelling
A: 22 Oral	Title:	Growth and lifecycle of the scyphozoan jellyfish <i>Pelagia noctiluca</i> : results from laboratory rearing and in situ observations
	Authors:	Martin K.S. Lilley, Martina Ferraris, Amanda Elineau, Leo Berline, Perrine Cuvilliers, Laurent Gilletta, Gabriel Gorsky, Fabien Lombard
	Keywords:	Jellyfish, growth rates, carbon flux, seasonal impact

CM Code	Oral Presentations	
A: 23 Oral	Title:	Dynamics of production and mortality of Aurelia aurita ephyrae in Thau Lagoon, Northwestern Mediterranean.
	Authors:	Marques R., Bouvier C., Cantou, M., Darnaude A., Molinero J.C., Przybyla C., Soriano S., Tomasini J.A., Bonnet D.
	Keywords:	Aurelia aurita, polyps, ephyrae, population dynamics, Thau lagoon, fish predation
A: 24 Oral	Title:	Regulation of the scyphomedusa Cyanea capillata through predation on its larval stages, from release of planulae to settlement
	Authors:	Zafir Kuplik, Dror Angel, Dani Kerem
	Keywords:	jellyfish, planula, predation, population regulation
A: 25 Oral	Title:	What are jellyfish really eating?
	Authors:	Parra, M.(1), Marques, R. .(1), Chainho P. .(2), Angelico, M. .(3), Cruz, J. .(1), Morais, P. .(1), Chicharo Teodosio, M. A. .(4),
	Keywords:	Blackfordia virginica, plankton, RNA/DNA ratios, estuaries
A: 26 Oral	Title:	Trophic ecology and potential predation impact of Carybdea marsupialis (Cnidaria: Cubozoa) in the NW Mediterranean
	Authors:	Acevedo, M.J., Fuentes, V.L. , Belmar, M.B., Canepa, A.J., Toledo-Guedes, K., Bordehore, C. and Calbet, A.
	Keywords:	
A: 27 Oral	Withdrawn	
A: 28 Oral	Title:	Jellyfish as prey: frequency of predation and selective foraging of Boops boops (Vertebrata, Actinopterygii) on the mauve stinger Pelagia noctiluca (Cnidaria, Scyphozoa)
	Authors:	Giacomo Milisenda, Sara Rosa, Veronica L. Fuentes, Ferdinando Boero, Letterio Guglielmo, Jennifer E. Purcell, Stefano Piraino
	Keywords:	Jellyfish as prey, biochemical composition, energy content, fish foraging behaviour, trophic dead-ends, source-sink dynamics
A: 38 Oral	Title:	Summer Jellyfish Blooms in an Upwelling Ecosystem: Modeling Impacts upon Fish Production and Evaluating Evidence
	Authors:	James J. Ruzicka, Elizabeth A. Daly, Richard D. Brodeur
	Keywords:	jellyfish; fisheries; food web; model
CM Code	Posters	
A: 29 Poster	Title:	Monsoon-driven hydrographic features affect thaliacean distribution in the Taiwanese waters, western North Pacific Ocean
	Authors:	Lo, W.T., Liao, Z.H., Hsieh, H.Y.
	Keywords:	Monsoon; Water mass; Taiwan; Thaliacean; Distribution
A: 30 Poster	Title:	Lumpfish as main consumer of northern comb jelly and effective tool of its research
	Authors:	Sergey Rusyaev and Alexei Orlov
	Keywords:	Ctenophora, comb jelly, lumpfish, diet, distribution, Barents Sea
A: 31 Poster	Title:	Fish Predators of Northeast Pacific Jellyfish: What are we missing?
	Authors:	R.D. Brodeur, T.W. Buckley, and R.E. Hibshman
	Keywords:	jellyfish, nekton, diets, pelagic, demersal, digestion rates

CM Code	Posters
A: 32 Poster	<p>Title: Jellyfish boost pelagic productivity</p> <hr/> <p>Authors: Aino Hosia, Christina Augustin, Julie Dinasquet, Jorun K Egge, Lena Granhag, Maria L Paulsen, Lasse Riemann, Janne-Markus Rintala, Outi Setälä, Julia</p> <hr/> <p>Keywords: jellyfish, cyanea, bottom-up, trophic cascades, energy pathways, pelagic community, food web</p>
A: 33 Poster	<p>Title: First report on the population of gelatinous zooplankton around the French Caribbean islands (Guadeloupe and Martinique)</p> <hr/> <p>Authors: Delphine Thibault, Aurélie Boisnoir, Cecila Claeys, Louis Arreghini, Fabien Lombard</p> <hr/> <p>Keywords: French Carabean islands, gelatinous zooplankton, species, pluridisciplinarity oceanography/sociology</p>
A: 34 Poster	<p>Title: A synthesis of the distribution of Mnemiopsis leidyi in European waters</p> <hr/> <p>Authors: Cornelia Jaspers, Elvire Antajan, Ragnihild Asmus, Maarten Boersma, Umberto Binetti, Delphine Bonnet, Delphine Botha, Jens Tang Christensen, Floriane</p> <hr/> <p>Keywords: Invasive species, comb jelly, fisheries, gelatinous zooplankton</p>
A: 35 Poster	<p>Title: Potential impacts of fouling and planktonic cnidarians on farmed sea bass in the Western Mediterranean Sea</p> <hr/> <p>Authors: Bosch-Belmar, M., Isern, M. M., Taurisano, V., Milisenda, G., Piraino, S., López, M., Fuentes, V.</p> <hr/> <p>Keywords: marine aquaculture, gelatinous zooplankton, fouling, fish mortalities, gill disorders</p>
A: 36 Poster	<p>Title: Seasonal survey of gelatinous plankton within a harbour of the North Sea (Dunkirk, France): assessing potential clogging risk for coastal industrial plants</p> <hr/> <p>Authors: Thomas Bastian, Elvire Antajan, Thomas Raud, Vincent Cornille, Jean-Michel Brylinski, Dorothee Vincent</p> <hr/> <p>Keywords: jellyfish, gelatinous plankton, seasonal monitoring, risk assessment, coastal industrial plant</p>
A: 37 Poster	<p>Title: Catostylus jellyfish: a stinging predictor of discard mortality</p> <hr/> <p>Authors: Sebastian S. Uhlmann, Matt K. Broadhurst, C. P. Brand</p> <hr/> <p>Keywords: Catostylus jellyfish, histopathology, nematocysts, Surf bream (<i>Acanthopagrus australis</i>); unaccounted discard mortality</p>
A: 39 Poster	<p>Title: Potential impacts of the occurrence of blooms of <i>Blackfordia virginica</i> in the Mira estuary, SW Portugal</p> <hr/> <p>Authors: Maria Manuel Angélico, Filipa Marques, Paula Chainho, Isabel Domingos, Alexandra Teodósio & José Lino Costa</p> <hr/> <p>Keywords: <i>Blackfordia virginica</i>, feeding behaviour, jelly impact</p>
A: 40 Poster	<p>Title: Development of <i>Carybdea brevipedalia</i> (Kishinouye, 1891) (Cnidaria: Cubozoa: Carybdeida: Carybdeidae) collected from northern Japan</p> <hr/> <p>Authors: Sho Toshino</p> <hr/> <p>Keywords: budding, Cubozoa, life history, polyp</p>

CM Code	Posters	
A: 41 Poster	Title:	Jellyfish and the wind: distribution and abundance of <i>Chrysaora quinquecirrha</i> in a shallow water estuary, North Carolina, USA
	Authors:	Mahealani Y. Kaneshiro & David G. Kimmel
	Keywords:	Jellyfish, Sea Nettles, <i>Chrysaora quinquecirrha</i> , Wind-driven circulation, Estuaries, Recreation
A: 42 Poster	Title:	The water content of gelatinous animals
	Authors:	Molina-Ramírez, C. Cáceres, J. Bueno J. I., González-Gordillo, X. Irigoien, J. Sostres, X. Salaberria, A. Bode, M. L. Fernández Puelles, F. Echevarria
	Keywords:	body size, carbon, wet weight, gelatinous zooplankton, gelatinous necton, jellyfish, salp, ctenophore
A: 43 Poster	Title:	JeDI (Jellyfish Database Initiative): a new open-access gelatinous plankton database JeDI (Jellyfish Database Initiative): a new open-access gelatinous plankton database JeDI (Jellyfish Database Initiative): a new open-access gelatinous plankton database
	Authors:	Cathy H. Lucas, Robert H. Condon, Carlos M. Duarte, William M. Graham, Kelly L. Robinson, Kylie A. Pitt, Mark Schildhauer, Jim Regetz
	Keywords:	plankton database, geographic patterns, cnidarian jellyfish, NCEAS
A: 44 Poster	Title:	Jellyfish Distribution and Dynamics in the North Sea
	Authors:	Antonio Pliru and Christopher Lynam
	Keywords:	jellyfish distribution; North Sea; species assemblages
A: 45 Poster	Title:	Do the physiological implications of increased water content explain growth and population dynamics observed in zooplankton?
	Authors:	Kristian McConville, Angus Atkinson, Elaine Fileman, Andrew Hirst, and John Spicer
	Keywords:	zooplankton, growth, gelatinous, population dynamics, ecophysiology