

Theme session J

Harmful algal blooms and jellyfish: Impacts on ecosystems and ecosystem services

Conveners: Eileen Bresnan (UK), Sophie Pitois (UK), Mike Rust (USA)

Wednesday 11 September 2019, 13:30-16:00, Room K

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13:30	Introduction to Theme session J
13:40	<p>CM Code: J:154</p> <p>Title: Regional changes in harmful algal events in the North Atlantic area over the last two decades documented using the HAEDAT database</p> <p>Authors: Eileen Bresnan, P. Andersen, D. Anderson, S. Anglès, L. Arin, C. Belin, E. Berdalet, M. Branco, A. Cembella, D. Clarke, M. Delgado, K. Davidson, M. De Rijke, W. Eikrem, L. Fernández, M. Fernández-Tejedor, et al.</p> <p>Keywords: Harmful algal blooms, algal toxins, aquaculture, mass mortalities, HAEDAT, North Atlantic, Baltic</p> <p>Presentation type: Oral</p>
13:55	<p>CM Code: J:140</p> <p>Title: New perspectives and insights from 20 years of monitoring algal events in Irish coastal waters</p> <p>Authors: Dave Clarke, Rafael Salas, Conor Duffy, Joe Silke.</p> <p>Keywords: DSP, ASP, PSP, AZP, Dinophysis, Azadinium, Pseudo-nitzschia, Alexandrium</p> <p>Presentation type: Oral</p>
14:10	<p>CM Code: J:442</p> <p>Title: Harmful algal blooms in the Kattegat-Skagerrak and the Baltic Sea, and their effects on aquaculture</p> <p>Authors: Bengt Karlson, Marie Johansen, Maria Karlberg, Malin Olofsson, Ann-Turi Skjevik, Malin Persson</p> <p>Keywords: Mussel farming, phytoplankton, phycotoxins, blue growth, Mytilus edulis, Ostrea edulis</p> <p>Presentation type: Oral</p>
14:25	<p>CM Code: J:449</p> <p>Title: High-resolution coastal modeling of harmful algae bloom advection</p> <p>Authors: Maximo Garcia-Jove Navarro, Bengt Karlson, Lars Axell, Sam Fredriksson, Lars Arneborg</p> <p>Keywords: Harmful algae blooms, coastal modeling, particle tracking</p> <p>Presentation type: Oral</p>
14:40	<p>CM Code: J:131</p> <p>Title: Using habitat model approach to predict jellyfish blooms.</p> <p>Authors: Sevrine Sailley, Lauren Biermann, Nick Selmes, Steve Groom</p> <p>Keywords: jellyfish, jellyfish bloom, habitat modelling</p> <p>Presentation type: Oral</p>
14:55	<p>CM Code: J:630</p> <p>Title: Modelling <i>A. aurita</i> (Linnaeus, 1758) biomass distributions related to plankton productivity and ocean circulation in the Adriatic Sea - WITHDRAWN</p> <p>Authors: Lionel Eisenhauer, Dag Slagstad</p> <p>Keywords: Aurelia aurita, ecosystem modelling, hydro-climatic cycles, trophic ecology</p> <p>Presentation type: Oral</p>
15:10	<p>CM Code: J:657</p> <p>Title: Monitoring gelatinous zooplankton: a cost-effective methodology during routine fishery trawl surveys</p> <p>Authors: Elvire Antajan, Sophie Pitois, Lidia Yebra, Luis Gil de Sola, Franck Coppin, Christopher Lynam, Arnaud Auber, Morgane Travers, Pascal Laffargue, Mathieu Doray, Angélique Jadaud, Tarek Hattab, Jérôme Baudrier, Sandrine Vaz</p> <p>Keywords: .</p> <p>Presentation type: Oral</p>
15:25	<p>CM Code: J:474</p> <p>Title: Cryptic diets of forage fish: jellyfish consumption observed in the Celtic Sea and western English Channel</p> <p>Authors: Philip D. Lamb, John K. Pinnegar, Ewan Hunter, Martin I. Taylor, Jeroen van der Kooij</p> <p>Keywords: Celtic Sea, diet, gelatinous zooplankton, molecular gut content analysis</p> <p>Presentation type: Oral</p>
15:40	Discussion
16:00	End of session

Posters

	<p>CM Code: J:129</p> <p>Title: Factors controlling toxic microalgae in open marine waters: challenges for pioneering offshore bivalve aquaculture in the Basque Country (southeastern Bay of Biscay)</p> <p>Authors: M. Revilla, J. A. Fernandes, L. Ferrer, A. Fontán, A. Laza-Martínez, J. G. Rodríguez, Y. Sagarminaga, O. Solaun</p> <p>Keywords: aquaculture, offshore, shellfish, phytoplankton, toxins</p> <p>Presentation type: Poster</p>
	<p>CM Code: J:380</p> <p>Title: Advances in the early warning of species causing Diarrhetic Shellfish Poisoning: <i>D. acuminata</i> modelling</p> <p>Authors: Alexandra Silva, A. Sobrinho-Gonçalves, T. Rosa, B. Mota</p> <p>Keywords: Dinophysis, GLMM, early-warning, HABs, upwelling systems</p>

Presentation type: Poster

CM Code: J:242

Title: ICES CM 2019/J

Authors: Dmitrieva Olga, Semenowa A., Podgornyj K.

Keywords: Cyanobacteria, water «bloom», abiotic factors, zooplankton, trophic relationships

Presentation type: Poster

CM Code: J:327

Title: Lethal effect of filamentous algal blooms on Atlantic herring (*Clupea harengus*) eggs in the Baltic Sea

Authors: L. von Nordheim, P. Kotterba, D. Moll, P. Polte

Keywords: eutrophication, macro algal blooms, fish egg mortality, *Pylaiella littoralis*

Presentation type: Poster

CM Code: J:336

Title: The distribution of benthic toxin-producing dinoflagellates along the Swedish west coast and climate change related growth experiments

Authors: Elena Alabarcas Alvarez, Bengt Karlson, Anna Godhe, Allan Cembella, Mona Hoppenrath, Uwe John, Kerstin Klemm

Keywords: benthic dinoflagellates, harmful algae, aquaculture, climate change

Presentation type: Poster

CM Code: J:361

Title: Scyphozoan jellyfish *aurelia aurita* in the south-eastern Baltic in the fall of 2017: abundance, size composition and correlation with the distribution of crustacean zooplankton

Authors: Karasiova E. M., Semenova A.S., Zezera A. S., Karpushevskiy I.V., Dmitrieva O.A.

Keywords: scyphozoan jellyfish, crustacean zooplankton, distribution, negative correlation

Presentation type: Poster

CM Code: J:448

Title: Warning trigger levels of Dinophysis for DSP outbreaks

Authors: L. Godinho, S. Rodrigues, A. Silva

Keywords: Dinophysis, GAM, early-warning, HABs, biotoxins

Presentation type: Poster

CM Code: J:515

Title: Assessing & mitigating the risks of Harmful Algal Blooms in sustainable shellfish aquaculture

Authors: Martin K.S. Lilley, A. Ross Brown, Claire Widdicombe, Andrea McEvoy, Paul Rooks, Jamie Shutler, Chris Lowe, Yuri Artioli, Ricardo Torres, Charles R. Tyler

Keywords: mariculture, development, HABs, plankton, toxic algae

Presentation type: Poster