

Monday, September 4, 2023

		PROGRAMME	
08:00-08:45 Conference Room	Opening	Opening Ceremony Opening Ceremony	
08:00-08:45	Opening-01	Opening talk Opening talk Haseeb Randhawa <i>University of Iceland</i>	
08:45-09:45 Conference Room		Global ocean biogeography -- latitude, depth, climate change, 20 oC Effect Keynote Mark John Costello <i>Nord University</i>	
	Chair:	Haseeb Randhawa, University of Iceland, Reykjavik	
09:45-10:00 Foyer		Coffee break	
10:00-12:00 Conference Room	S01	Patterns of change in biodiversity and ecosystem function	
	Chair:	Arnar Palsson, University of Iceland, Reykjavik	
10:00-10:15	S01-01	Climate change effects on the distribution patterns of two red seaweeds in Europe: Including vegetative propagation responses in Species Distribution Models <u>Samuel Sainz-Villegas</u> , Begoña Sánchez-Astráin, Camino F. de la Hoz, Araceli Puente, José A. Juanes <i>IHCantabria - Instituto de Hidráulica Ambiental de la Universidad de Cantabria</i>	
10:15-10:30	S01-02	Past exposure to marine heatwaves influences seagrass phenotype and response to future warming events <u>Fabio Bulleri</u> ¹ , Ludovica Pedicini ¹ , Debora Fontanini ¹ , Lucia De Marchi ² , Chiara Ravaglioli ¹ ¹ <i>Università di Pisa, Dipartimento di Biologia</i> , ² <i>Università di Pisa, Dipartimento di Scienze Veterinarie</i>	
10:30-10:45	S01-03	Temporal biodiversity patterns of macroalgae intertidal communities across the NE Portuguese coast <u>Marta Martins</u> ^{1,2} , Francisco Arenas ³ , Marina Dolbeth ³ ¹ <i>Faculdade de Ciências da Universidade do Porto (FCUP)</i> , ² <i>Centro Interdisciplinar de Investigação Marinha e Ambiental.</i> , ³ <i>CIIMAR, BET</i>	
10:45-11:00	S01-04	Spread and consequences of a non-native <i>Vaucheria</i> species in the Wadden Sea (north-east Atlantic) <u>Ronny Steinberg</u> ¹ , Karsten Reise ² , Christian Buschbaum ² , Kai Bischof ¹ ¹ <i>University Bremen, Marine Botany</i> , ² <i>Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research</i>	
11:00-11:15	S01-05	Metabolism of benthic communities of Mediterranean rocky reefs exposed to contrasting human activities and extreme climatic events <u>Ludovica Pedicini</u> ¹ , Chiara Ravaglioli ¹ , Fabio Bulleri ^{1,2} ¹ <i>University of Pisa, Biology</i> , ² <i>Centro Interdipartimentale di Ricerca per lo Studio degli Effetti del Cambiamento Climatico (CIRSEC)</i>	
11:15-11:30	S01-06	Trends in biodiversity and interconnections between fish spawning areas and environmental parameters along the Norwegian Skagerrak coast <u>Elisabeth Helene Juliussen</u> ^{1,2,3} , Karine Gagnon ¹ , Marta Moyano ^{2,4} , Jon Albretsen ¹ , Sigurd Heiberg Espeland ^{1,2}	

		¹ Institute of Marine Research, ² University of Agder, Centre for Coastal Research, ³ County Governor of Agder, Environmental department, ⁴ Norwegian Institute for Water Research	
11:30-11:45	S01-07	How much do environmental factors control the skeletal carbonate mineralogy of marine bryozoans? <u>Anna Piwoni-Piórewicz</u> ¹ , Piotr Kukliński ² , Małgorzata Krzemińska ² , Maciej Chelchowski ² , Anna Iglowska ³ , Abigail, M. Smith ⁴ , Dennis, P. Gordon ⁵ , Katerina Achilleos ⁶ , Hannah Mello ⁴ , Blanca Figuerola ⁷ , Jens Najorka ⁸ , Melissa, Kay Boonzaaier-Davids ^{9, 10} , Wayne, K. Florence ⁹ , Robyn, L. Cumming ¹¹ , Chiara Lombardi ¹² , Maja Novosel ¹³ , Aaron O'Dea ¹⁴ , Andrey Ostrovsky ¹⁵ , Natalia Shunatova ¹⁵ , Joanne, S. Porter ¹⁶ , Leandro, Manzoni Vieira ¹⁷ , Andrea Waeschenbach ¹⁸ , Lee, Hsiang Liow ¹⁹ ¹ University of Gdansk, Faculty of Oceanography and Geography, ² Institute of Oceanology, Polish Academy of Sciences, ³ University of Gdansk, Faculty of Biology, ⁴ University of Otago, Department of Marine Science, ⁵ National Institute of Water and Atmospheric Research, ⁶ University of Otago, Department of Biochemistry, ⁷ Institute of Marine Sciences (ICM-CSIC), ⁸ Natural History Museum, Department of Core Research Laboratories, ⁹ Iziko Museums of South Africa, Department of Research and Exhibitions, ¹⁰ University of the Western Cape, Department of Biodiversity and Conservation Biology, ¹¹ Cumming Museum of Tropical Queensland, ¹² Marine Environment Research Centre of S. Teresa, ENEA, ¹³ University of Zagreb, Department of Biology, ¹⁴ Smithsonian Tropical Research Institute, ¹⁵ Saint Petersburg State University, Department of Invertebrate Zoology, ¹⁶ Heriot-Watt University, School of Energy, Geoscience, Infrastructure and Society, ¹⁷ Universidade Federal de Pernambuco, Departamento de Zoologia, ¹⁸ Natural History Museum, Department of Life Sciences, ¹⁹ Natural History Museum, University of Oslo, Department of Biosciences	
11:45-12:00	S01-08	Dispersion of non-indigenous ascidians under climate change in Iceland <u>Joana Micael</u> ¹ , Alfonso A. Ramos-Esplá ² , Pedro Rodrigues ^{3, 4} , Sindri Gíslason ¹ ¹ Southwest Iceland Nature Research Centre, ² Research Marine Centre of Santa Pola (CIMAR), University of Alicante, ³ Rif Field Station, ⁴ Northeast Iceland Nature Research Centre	
12:00-13:00 Foyer		Lunch	
13:00-14:15 Conference Room	S02	Role of mesopelagic organisms and ecosystem function	
	Chair:	James Kennedy, Marine and Freshwater Research Institute, Ísafjörður	
13:00-13:15	S02-01	Differences and similarities in characteristics of the mesopelagic layer in different water masses around Iceland. <u>Anna H. Ólafsdóttir</u> , Teresa Silva, Christophe Pampoulie <i>Marine and Freshwater Research Institute</i>	
13:15-13:30	S02-02	Vertical distribution of the deep mesopelagic acoustic layer between the Irminger Sea and the Iceland basin <u>Teresa Silva</u> , Kristinn Guðnason, Sigurður Jónsson, Birkir Bárðarson, Klara Jakobsdóttir <i>Marine and Freshwater Research Institute, Pelagic Division</i>	
13:30-13:45	S02-03	Fine- and large-scale distribution of zooplankton and marine snow in Icelandic waters and Irminger Sea, observed by a Video Plankton Recorder. <u>Sólrun Sigurgeirsdóttir</u> ^{1, 2} , Ástþór Gíslason ¹ , Hildur Pétursdóttir ¹ , Jörundur Svavarsson ² ¹ Marine and Freshwater Research Institute, Pelagic, ² University of Iceland, Faculty of Life and Environmental Sciences	
13:45-14:00	S02-04	Biology of two abundant lanternfishes (<i>Benthosema glaciale</i> and <i>Notoscopelus kroyeri</i>) caught in Icelandic waters and the Irminger Sea <u>Charlotte Sarah Matthews</u> ¹ , James Kennedy ² , Anna Heiða Ólafsdóttir ² , Christophe Pampoulie ² ¹ University Centre of the Westfjords, ² Marine and Freshwater Research Institute	

14:00-14:15	S02-05	<p>Nocturnal distribution and trophic structure of meso- to bathypelagic fish along depth gradients in the Bay of Biscay slope area <u>Liz Loutrage</u>^{1,2,3}, Anik Brind'Amour², Tiphaine Chouvelon^{1,4}, Samuel Iglésias⁵, Jérôme Spitz^{1,3} ¹La Rochelle University, Pélagis Observatory, ²IFREMER, Ecosystem Dynamics and Sustainability, ³La Rochelle University, Centre d'Etudes Biologiques de Chizé, ⁴IFREMER, Contamination Chimique des Écosystèmes Marins, ⁵Muséum national d'Histoire naturelle, Institut de Systématique, Evolution, Biodiversité</p>	
14:15-15:30 Conference Room	S03	General Session	
	Chair:	Hildur Magnúsdóttir, Running Tide, Reykjavík	
14:15-14:30	S03-01	<p>Interspecific interactions between two marine top predators off Iceland <u>Anna Selbmán</u>¹, Charla J. Basran², Chiara G. Bertulli³, Tess Hudson⁴, Marie-Thérèse Mruscok^{5,6}, Marianne H. Rasmussen², Jonathan N. Rempel⁷, Judith Scott⁶, Jörundur Svavarsson¹, Paul J. Wensveen¹, Megan Whittaker⁸, Filipa I. P. Samarra⁹ ¹University of Iceland, ²University of Iceland's Research Center in Húsavík, ³Sea Watch Foundation, ⁴Whale Watching Akureyri, ⁵Orca Guardians Iceland, ⁶Láki Tours, ⁷Special Tours, ⁸Elding Whale Watching, ⁹University of Iceland's Institute of Research Centres</p>	
14:30-14:45	S03-02	<p>Limited overlap between central-place foraging black-browed albatross and fisheries on the Patagonian Shelf <u>Amanda Kuepfer</u>^{1,2,3}, José P. Granadeiro⁴, Francesco Ventura^{4,5}, Stephen C. Votier⁶, Richard B. Sherley³, Paulo Catry⁷ ¹Falklands Conservation, ²SAERI – South Atlantic Environmental Research Institute, ³University of Exeter, Centre for Ecology and Conservation, ⁴Universidade de Lisboa, Departamento de Biologia Animal, ⁵Woods Hole Oceanographic Institution, Biology Department, ⁶Heriot-Watt University, Institute for Life and Earth Sciences, ⁷ISPA – Instituto Universitário, Marine and Environmental Sciences Centre</p>	
14:45-15:00	S03-03	<p>Spatial Ecology of Sympatric Juvenile Atlantic Cod and Saithe at Nursery Grounds <u>Anja Nickel</u>¹, Guðbjörg Ásta Ólafsdóttir¹, Steven Campana² ¹University of Iceland, Research Centre of the Westfjords, ²University of Iceland, Life and Environmental Sciences</p>	
15:00-15:15	S03-04	<p>Impact of age diversity on recruitment of six broadcast spawning species <u>Ingibjörg G. Jónsdóttir</u>, Jón Sólmundsson, Klara Jakobsdóttir, Jónas P. Jónasson <i>Marine and Freshwater Research Institute</i></p>	
15:15-15:30	S03-05	<p>A cryptic invader in the Baltic Sea: otolith microchemistry- and structure analysis reveal a longer settlement of newly discovered alien eastern tubenose goby <i>Proterorhinus semipellucidus</i>. <u>Katariina Kurina</u>¹, Imre Taal¹, Anu Albert¹, Sanna Kuningas², Antti Lappalainen², Mehis Rohla¹, Lauri Saks¹ ¹University of Tartu Estonian Marine Institute, ²Natural Resources Institute</p>	
15:30-15:45 Foyer		Coffee break	
15:45-16:30 Conference Room	S04	Patterns of change in biodiversity and ecosystem function	
	Chair:	Theresa Henke, University of Iceland, Bolungarvík	
15:45-16:00	S04-01	<p>Unveiling the Invisible: Meiofauna Metabarcoding Illuminates the Hidden Diversity and Dynamics of Beach Ecosystems <u>Jan Macher</u>¹, Willem Renema² ¹Naturalis Biodiversity Center & CML, Leiden University, Marine Biodiversity, ²Naturalis Biodiversity Center</p>	

16:00-16:15	S04-02	Using ddRADseq data to assess genetic structure and relatedness of anadromous and landlocked populations of Icelandic brown trout (<i>Salmo trutta</i>) Arnar Pálsson, Marcos Lagunas, Lea Jerman-Plesec, Zophonias Jónsson, Sigurdur Snorrason, Salmonid genetics group <i>University of Iceland, Life and Environmental Science</i>	
16:15-16:30	S04-03	Application of a novel ecosystem-based index, reveals degraded ecological status of shallow rocky reefs in the NE Mediterranean Eleni Kytinou ^{1,2} , Yiannis Issaris ² , Maria Sini ¹ , Maria Salomidi ² , Stelios Katsanevakis ¹ ¹ University of the Aegean, Department of Marine Sciences, ² Hellenic Centre for Marine Research, Institute of Oceanography	
16:30-17:15 Conference Room	S05	Biodice Session	
	Chair:	Skúli Skúlason, Hólar University, Sauðárkrókur, Hólar í Hjaltadal	
16:30-16:45		BIODICE and the importance of biodiversity Skúli Skúlason <i>Hólar University</i>	
16:45-17:00		Biodiversity Festival 2023 Ragnhildur Guðmundsdóttir <i>Iceland Museum of Natural History</i>	
17:00-17:15		Species is not a good unit for ecological conservation - a process perspective Ole Sandberg <i>University of Iceland & Iceland Museum of Natural</i>	
19:00-21:00 Fornubúðir 5, Hafnarfirði		Biodiversity Festival	

Tuesday, September 5, 2023

08:00-09:00 Conference Room		Uncovering genomic variation linked to sub-populations and cryptic ecotypes in marine fish species: implications for sustainable management programmes? Keynote Sissel Jentoft <i>Centre for Ecological and Evolutionary Synthesis, University of Oslo</i>	
	Chair:	Christophe Pampoulie, Marine and Freshwater Research Institute	
09:00-10:00 Conference Room	S06	Genetics & Genomics	
	Chair:	Snæbjörn Pálsson, University of Iceland, Reykjavik	
09:00-09:15	S06-01	Temporal and environmental population stratification of near- and offshore Northern Shrimp (<i>Pandalus borealis</i>) off Iceland. Áki Jarl Láruson ¹ , Snæbjörn Pálsson ² , Ingibjörg G. Jónsdóttir ¹ ¹ Marine and Freshwater Research Institute, ² University of Iceland, Faculty of Life and Environmental Sciences	

09:15-09:30	S06-02	<p>Tricky species identification: corals, proteomic fingerprints and solving taxonomic riddles</p> <p>Severin Korfhage¹, Sven Rosset², Saskia Brix², Catherine S. McFadden³, Steinunn Hilma Ólafsdóttir⁴, Pedro Martínez Arbizu²</p> <p>¹Senckenberg Institute, DZMB, ²Senckenberg Research Institute, German Centre for Marine Biodiversity Research (DZMB), ³Harvey Mudd College, Department of Biology, ⁴Marine and Freshwater Research Institute, Demersal Division</p>	
09:30-09:45	S06-03	<p>Genome rearrangements, male pregnancy & immunological tolerance – the curious case of the syngnathid immune system</p> <p>Jamie Parker</p> <p>Christian-Albrechts-University</p>	
09:45-10:00	S06-04	<p>Local adaptation and demographic history shaped geographic patterns of anadromous Arctic charr in Iceland: Evolutionary and management implications</p> <p>Han Xiao¹, Jóhannes Guðbrandsson², Benjamín Sigurgeirsson¹, Sigurður Einarsson², Guðni Guðbergsson², Arnar Pálsson¹, Sigurður Snorrason¹, Zophonias Jónsson¹</p> <p>¹Faculty of Life and Environmental Sciences, University of Iceland, ²Marine and Freshwater Research Institute (MFRI)</p>	
10:00-10:30 Foyer		Coffee break	
10:30-12:00 Conference Room	S07	Multiple stressors in marine ecosystems	
	Chair:	Guðbjörg Ásta Ólafsdóttir, University of Iceland, Bolungarvik	
10:30-10:45	S07-01	<p>A light pollution split: Wavelength differential effects on the activity of two coastal species.</p> <p>Cristian Duarte^{1,2,3}, Diego Quintanilla-Ahumada^{1,3,4}, Nicol Zúñiga-Cueto^{1,3}, Rodrigo Herrera^{1,3}, Nicole Jahnsen-Guzmán^{1,3,4}, Cristián Miranda^{1,3,4}, José Pulgar^{1,2}, Patricio H. Manríquez^{5,6}, Pedro A. Quijón⁷</p> <p>¹Universidad Andrés Bello, Facultad de Ciencias de la Vida, Departamento de Ecología y Biodiversidad, ²Universidad Andrés Bello, Centro de Investigación Marina Quintay (CIMARQ), ³Universidad Andrés Bello, Laboratorio de Ecología Costera e Impactos Antropogénicos (LECIMAT), ⁴Universidad Andrés Bello, Programa de Doctorado en Medicina de la Conservación, ⁵Centro de Estudios Avanzados en Zonas Áridas (CEAZA), ⁶Laboratorio de Ecología y Conducta de la Ontogenia Temprana (LECOT), ⁷University of Prince Edward Island, Department of Biology</p>	
10:45-11:00	S07-02	<p>Influence of spectral composition of artificial light at night (ALAN) on activity, food consumption and growth of a sandy beach isopod.</p> <p>Diego Quintanilla-Ahumada^{1,2,3}, Nicol Zúñiga-Cueto^{2,3}, Rodrigo Herrera^{2,3}, Nicole Jahnsen-Guzmán^{1,2,3}, Cristián Miranda^{1,2,3}, José Pulgar^{2,4}, Patricio H. Manríquez^{5,6}, Pedro A. Quijón⁷, Cristian Duarte^{2,3,4}</p> <p>¹Universidad Andrés Bello, Programa de Doctorado en Medicina de la Conservación, ²Universidad Andrés Bello, Facultad de Ciencias de la Vida, Departamento de Ecología y Biodiversidad, ³Universidad Andrés Bello, Laboratorio de Ecología Costera e Impactos Antropogénicos (LECIMAT), ⁴Universidad Andrés Bello, Centro de Investigación Marina Quintay (CIMARQ), ⁵Centro de Estudios Avanzados en Zonas Áridas (CEAZA), ⁶Laboratorio de Ecología y Conducta de la Ontogenia Temprana (LECOT), ⁷University of Prince Edward Island, Department of Biology</p>	
11:00-11:15	S07-03	<p>Dystrophic crises triggering in a Mediterranean coastal lagoon after nutrient overload promotes a transition from top-down to bottom-up control.</p> <p>Alfredo Fernández-Alías, Teresa Montaña-Barroso, Manuel Rosendo Conde-Caño, Sara Manchado-Pérez, Cristina López-Galindo, Jhoni Ismael Quispe-Becerra, Concepción Marcos, Angel Pérez-Ruzafa</p> <p>University of Murcia, Department of Ecology and Hydrology</p>	
11:15-11:30	S07-04	<p>Linking habitat features to stress hormones in a lagoon resident fish: a new tool for management and conservation</p>	

		<u>Altavilla Luca</u> , Matteo Feltracco, Giovanna Mazzi, Francesco Cavraro, Andrea Gambaro, Stefano Malavasi <i>Ca' Foscari University of Venice, Department of Environmental Sciences, Informatics and Statistics</i>	
11:30-11:45	S07-05	Organotin pollution in sediment and biota in Icelandic harbours <u>Halldór Pálmar Halldórsson</u> , Sandra Dögg Georgsdóttir, Ashvini Victor, Hermann Dreki Guls <i>University of Iceland, Sudurnes Research Centre</i>	
11:45-12:00	S07-06	Novel Application of Horse Mussel (<i>Modiolus modiolus</i>) for Environmental Monitoring and Metal Accumulation: A Case Study in Iceland <u>Hermann Dreki Guls</u> , Halldór Pálmar Halldórsson, Luna Grimault, Lucie Mangin, Heiðrún Inga Guðmundsdóttir, Sandra Dögg Georgsdóttir <i>University of Iceland's Research Centre in Sudurnes</i>	
12:00-13:00 Foyer		Lunch	
13:00-14:30 Conference Room	S08	Promoting research in Arctic/sub-Arctic and the importance of the Greenland-Scotland Ridge	
	Chair:	Haseeb Randhawa, University of Iceland, Reykjavík	
13:00-13:30	S08-01	The importance of the Greenland-Scotland ridge in a changing ocean <u>Christophe Pampoulie</u> <i>Marine and Freshwater Research Institute</i>	
13:30-13:45	S08-02	The North Atlantic Gateway as natural experimental area for marine benthic long-term observation – case studies in various habitats and future perspectives Saskia Brix, and IceAGE and IceDivA collaborators <i>Senckenberg, Senckenberg am Meer: German Center for Marine Biodiversity Research (DZMB)</i>	
13:45-14:00	S08-03	Icelandic cold-water coral reefs: using data collected over a 20-year period to understand their distribution. <u>Laurence De Clippele</u> ¹ , Saskia Brix ² , Hrónn Egilsdóttir ³ , Steinunn Ólafsdóttir ³ , Ragnarsson Stefán ³ ¹ University of Glasgow, School of Biodiversity, One Health, and Veterinary Medicine, ² Senckenberg Research Institute, ³ Marine and Freshwater Research Institute	
14:00-14:15	S08-04	Benthic Habitats in Denmark Strait Julian Burgos ¹ , <u>Laure de Montety</u> ¹ , Nanette Hammeken ² , Chris Yesson ³ , Steinunn Hilma Ólafsdóttir ¹ , Andreas Macrander ¹ , Davíð Þór Óðinsson ¹ , Emmeline Broad ³ , Bylgja Sif Jónsdóttir ¹ , Petrun Sigurðadóttir ¹ ¹ Marine and Freshwater Research Institute (MFRI), Demersal department, ² Greenland Institute of Natural Resources (GINR), ³ The Zoological Society of London (ZLS)	
14:15-14:30		Amazing deep sea Amphipoda off Iceland <u>Anne-Nina Loerz</u> <i>University of Hamburg, Marine Ecosystems and Fishery Science</i>	
14:30-14:45 Foyer		Coffee break	
14:45-15:45 Conference Room	S09	Multiple stressors in marine ecosystems	
	Chair:	Anna Selbmann, University of Iceland, Reykjavík	
14:45-15:00	S09-01	Population structure and threats to the red coral (<i>Corallium rubrum</i>, Linnaeus, 1758) in the eastern Adriatic Sea <u>Petar Kružić</u> ¹ , Romana Gračan ¹ , Pavel Ankon ¹ , Andrea Čačković ² , Agata	

		Kovačev ³ <i>¹Faculty of Science, University of Zagreb, Department of Biology, ²„Ruđer Bošković“ Institute, ³National Park Kornati</i>	
15:00-15:15	S09-02	Impact of aquaculture pathobiome on the gut microbiome of Mediterranean whales <i>Giorgia Palladino¹, Marianna Marangi², Sabina Airoidi³, Elena Radaelli¹, Nicoló Cinti¹, Daniel Scicchitano¹, Simone Rampelli¹, Marco Candela¹</i> <i>¹University of Bologna, ²University of Foggia, ³Tethys Research Institute</i>	
15:15-15:30	S09-03	Distribution and movement of juvenile Atlantic cod ecotypes in nearshore water <i>Michelle Valliant¹, Snæbjörn Pálsson², Anja Nickel¹, Guðbjörg Ásta Ólafsdóttir¹</i> <i>¹Research Centre of the Westfjords, University of Iceland, Biology, ²University of Iceland, Biology</i>	
15:30-15:45	S09-04	Colonization of <i>Ensis terranovensis</i> in Icelandic waters <i>Sindri Gíslason¹, Karl Gunnarsson², Sæmundur Sveinsson³, Davíð Gíslason³, Hilmar Malmquist⁴, Ólafur Páll Jónsson¹, Joana Micael¹</i> <i>¹Southwest Iceland Nature Research Centre, ²Marine and Freshwater Research Institute, ³Matis, Icelandic Food and Biotech R&D, ⁴Icelandic Museum of Natural History</i>	
15:45-16:45 Conference Room	S10	Patterns of change in biodiversity and ecosystem function	
	Chair:	Han Xiao, Faculty of Life and Environmental Sciences, University of Iceland, Reykjavik	
15:45-16:00	S10-01	Ecological interactions and biodiversity in polar deep-sea hard-bottom communities of Eastern Canada <i>Sophie Wolvin¹, Jean-François Hamel², Annie Mercier¹</i> <i>¹Memorial University of Newfoundland, Department of Ocean Sciences, ²Society for the Exploration and Valuing of the Environment</i>	
16:00-16:15	S10-02	On the track of the effects of colonial seabirds on Arctic coastal communities <i>Katarzyna Zmudczynska-Skarbek¹, Kaja Balazy², Piotr Balazy², Maciej Chelchowski², Anna Maria Dabrowska², Szymon Slomkowski¹, Beata Szymczycha², Maria Wlodarska-Kowalczuk², Adrian Zwolicki¹</i> <i>¹University of Gdańsk, Dept. of Vertebrate Ecology and Zoology, ²Institute of Oceanology Polish Academy of Sciences</i>	
16:15-16:30	S10-03	Long-term impacts of large-scale herring death on benthic fauna in a shallow silled fjord in Iceland <i>Valtýr Sigurðsson¹, Jón Einar Jónsson², Menja von Schmalensee³, Róbert A. Stefánsson³, Jörundur Svavarsson⁴</i> <i>¹Biopol ehf., ²Rannsóknasetur Háskóla Íslands, ³Náttúrustofa Vesturlands, ⁴Háskóli Íslands</i>	
16:30-16:45	S10-04	Seasonal change in the coastal macrobenthic assemblage structure in the Gulf of Gdańsk <i>Michał Gintowt¹, Natalia Miernik², Lech Kotwicki¹</i> <i>¹Institute of Oceanology Polish Academy of Sciences, Department of Marine Ecology, ²University of Gdańsk, Faculty of Oceanography and Geography, Department of Marine Ecology</i>	
18:00-19:30 Lækjargata 2a, 101 Reykjavik		Running Tide	

Wednesday, September 6, 2023

08:00-09:00 Conference Room		Marine biodiversity across multiple environmental gradients: analysis of the drivers of distribution, functioning and diversification Keynote Roberto Danvaro <i>Nature Biodiversity Future Centre (Italy) & Polytechnic University of Marche</i>	
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		(Portugal)	
	Chair:	Simonetta Fraschetti, University of Naples, Naples	
09:00-10:15 Conference Room	S11	Multiple stressors in marine ecosystems	
	Chair:	Guðbjörg Ósk Jónsdóttir, University of Iceland, Reykjavík	
09:00-09:15	S11-01	The combined impacts of climate change and bioinvasions: can some alien species restore ecosystem functions and services lost by warming? Gil Rilov ¹ , Erez Yeruham ^{1,2} , Martina Mulas ^{1,2} , Tamar Guy-Haim ¹ , Tal Garval ^{1,2} , Jacob Silverman ³ ¹ National Institute of Oceanography, Israel Oceanographic and Limnological Research (IOLR), Marine Biology, ² The Leon H. Charney School of Marine Sciences, University of Haifa, Marine Biology, ³ National Institute of Oceanography, Israel Oceanographic and Limnological Research (IOLR), Marine Chemistry	
09:15-09:30	S11-02	Multiple-driver studies in Iceland: a new experimental facility gives a glimpse of future biological impacts Einar Pétur Jónsson ^{1,2} , Tómas Árnason ¹ , Hrönn Egilsdóttir ¹ ¹ Marine and Freshwater Research Institute, ² University of Iceland	
09:30-09:45	S11-03	Differential carbon storage strategies of macroalgae when facing multiple stressors Camino F. de la Hoz ^{1,2} , Paul R. Brooks ² , Jennifer Coughlan ² , Tasman P. Crowe ² ¹ Universidad de Cantabria, IHCantabria - Instituto de Hidráulica Ambiental de la Universidad de Cantabria, ² University College Dublin, Earth Institute & School of Biology and Environmental Science	
09:45-10:00	S11-04	Canopy-forming macroalgae can adapt to marine heatwaves Erika Fabbrizzi ^{1,2,3} , Marco Munari ^{2,4} , Simonetta Fraschetti ^{1,3,5} , Carmen Arena ^{1,5} , Antonia Chiarore ² , Antonia Cannavacciuolo ² , Alberto Colletti ^{1,3} , Giulia Costanzo ¹ , Ana Soler-Fajardo ² , Matteo Nannini ² , Beatrice Savinelli ¹ , Chiara Silvestrini ^{1,3} , Ermenegilda Vitale ¹ , Laura Tamburello ² ¹ University of Naples Federico II, Department of Biology, ² Stazione Zoologica Anton Dohrn, Department of Integrative Marine Ecology, ³ CoNISMa, ⁴ University of Padova, Department of Biology, ⁵ National Biodiversity Future Center	
10:00-10:15	S11-05	Elevated temperatures linked to Sea Star Wasting Disease in a Keystone European Species, <i>Asterias rubens</i> Samuel Smith ¹ , Hansjoerg Kunc ¹ , Ian Hewson ² , Patrick Collins ¹ ¹ Queen's University Belfast, School of Biological Sciences, ² Cornell University, Department of Microbiology	
10:15-10:45 Foyer		Coffee break	
10:45-12:00 Conference Room	S12	General Session	
10:45-11:00	S12-01	What can we learn from the World Register of Marine Species? Diving into the metrics of new species descriptions. Leen Vandepitte ¹ , Stefanie Dekeyzer ¹ , Wim Decock ¹ , Bart Vanhoorne ¹ , Ben Boydens ¹ , Jan Bouwens ¹ , Lynn Delgat ¹ , Tammy Horton ² , Andreas Kroh ³ , Shane Ahyong ⁴ , Christopher Boyko ⁵ , Lennert Tyberghein ¹ , Jan Mees ¹ ¹ Flanders Marine Institute, ² National Oceanography Centre, ³ Naturhistorisches Museum Wien, ⁴ Australian Museum Research Institute, ⁵ American Museum of Natural History, Division of Invertebrate Zoology	
11:00-11:15	S12-02	Increasing the taxonomic resolution of larval cestode identifications: key to gaining insights into the ecology and management of fish species. Haseeb Randhawa	

		<i>University of Iceland, Faculty of Life and Environmental Sciences</i>	
11:15-11:30	S12-03	Have you seen this fish? Evaluating stakeholder-involving methods as alternative to scientific surveying of non-native species in data poor regions <i>Theresa Henke, Guðbjörg Ásta Ólafsdóttir</i> <i>University of Iceland, Research Centre of the Westfjords</i>	
11:30-11:45	S12-04	Functional bioprospecting of cold-active enzymes using a fosmid-based metagenome library of cold-active microorganisms <i>Karol Ciuchcinski, Michal Stanowski, Mikolaj Wolacewicz, Lukasz Dziewit, Takao Ishikawa</i> <i>University of Warsaw, Faculty of Biology</i>	
11:45-12:00	S12-05	Century-scale changes in Norwegian eelgrass meadows: insights from a long-term time series <i>Karine Gagnon¹, Jonas Thormar¹, Jon Albretsen¹, Sigurd Heiberg Espeland¹, Nils Vagstad², Kjell Magnus Norderhaug¹</i> <i>¹Institute of Marine Research, ²Norwegian Institute of Bioeconomy Research</i>	
12:00-13:00 Foyer		Lunch	
13:00-14:00 Conference Room		Deep-sea gradients as a natural laboratory: Biodiversity lessons from oxygen minimum zones and methane seeps Keynote <i>Lisa Levin</i> <i>Scripps Institute of Oceanography, University of California in San Diego</i>	
	Chair:	Áki Jarl Láruson, Marine and Freshwater Research Institute, Hafnarfjörður	
14:00-14:15 Foyer		Coffee break	
14:15-16:00 Conference Room	S13	Deepsea and research in extreme environments	
	Chair:	Áki Jarl Láruson, Marine and Freshwater Research Institute, Hafnarfjörður	
14:15-14:30	S13-01	Anthropogenic pressures at Lucky Strike hydrothermal vent field: Mapping of 30 years of research activities. <i>Riwan Leroux¹, Jozée Sarrazin¹, Denis Bailly², Marjolaine Matabos¹</i> <i>¹Ifremer, ²AMURE</i>	
14:30-14:45	S13-02	Unraveling the Biotechnological Potential of Deep-Sea Hydrothermal Vents: Discovery of Novel Laccase Enzymes Using an Innovative Bioinformatic Pipeline <i>Karol Ciuchcinski¹, Daria Biernacka², Olesia Werbowy³, Sebastian Dorawa³, Runar Stokke⁴, Anna Karina Kaczorowska², Tadeusz Kaczorowski³, Ida Helene Steen⁴, Lukasz Dziewit¹</i> <i>¹University of Warsaw, Faculty of Biology, Department of Environmental Microbiology and Biotechnology, ²University of Gdańsk, Collection of Plasmids and Microorganisms, ³University of Gdańsk, Laboratory of Extremophile Biology, ⁴University of Bergen, Department of Biological Sciences</i>	
14:45-15:00	S13-03	Stock structure of Patagonian toothfish <i>Dissostichus eleginoides</i> in the southwest Atlantic: an interdisciplinary approach <i>Brendon Lee^{1,2,3}, Haseeb Randhawa^{1,4,5}, Frane Skeljo³, Alexander Arkhipkin³</i> <i>¹University of Iceland, Faculty of Life and Environmental Sciences, ²Rhodes University, Department of Ichthyology and Fisheries Science, ³Falkland Islands Fisheries Department, ⁴South Atlantic Environmental Research Institute, ⁵New Brunswick Museum</i>	
15:00-15:15	S13-04	Trophic structure of two sympatric species of deep-sea sharks <i>Jón Sólmundsson¹, Klara B. Jakobsdóttir¹, Hildur Pétursdóttir²</i> <i>¹Marine and Freshwater Research Institute, Demersal Division, ²Marine and</i>	

		<i>Freshwater Research Institute, Pelagic Division</i>	
15:15-15:30	S13-05	Pan-Atlantic comparison of deep-sea Macro- and Megabenthos Karlotta Kürzel ^{1,2} , Saskia Brix ² , Angelika Brandt ^{3,4} , Nils Brenke ⁵ , Peter Enderlein ⁶ , Huw J. Griffiths ⁶ , Stefanie Kaiser ³ , Jörundur Svavarsson ⁷ , Anne-Nina Lörz ¹ , Inmaculada Frutos ⁸ , James Taylor ² , Katrin Linse ⁶ <i>¹Institute of Marine Ecosystem and Fishery Science (IMF), Center for Earth System Research and Sustainability (CEN), University of Hamburg, ²German Center for Marine Biodiversity Research, Senckenberg Nature Research Society, ³Senckenberg Research Institute and Natural History Museum Frankfurt, ⁴Institute for Ecology, Evolution and Diversity, Goethe-University of Frankfurt, ⁵Scientific Marine Service, ⁶British Antarctic Survey, ⁷Institute of Biology, University of Iceland, ⁸Department of Invertebrate Zoology and Hydrobiology, Faculty of Biology and Environmental Protection, University of Lodz</i>	
15:30-15:45	S13-06	Biodiversity of the Deep Sea benthic foraminiferal assemblages in the abyssal plains of Clarion-Clipperton Zone, North East Pacific Ranju Radhakrishnan, Pierre-Antoine Dessandier, Daniela Zeppilli <i>Ifremer, UMR BEEP Biologie et Ecologie des Ecosystèmes marins Profonds et du Laboratoire Environnement Profond</i>	
15:45-16:00	S13-07	The ecological enigma of <i>Ledella ultima</i> (E. A. Smith, 1885): An in-depth assessment of genetic diversity and population structure in an abyssal protobranch Jenny Neuhaus ¹ , Mark Eduard de Wilt ² , Katrin Linse ³ , Pedro Martínez Arbizu ¹ , Ron J. Etter ⁴ , Robert M. Jennings ⁵ , Saskia Brix ¹ <i>¹Senckenberg am Meer, German Centre for Marine Biodiversity Research (DZMB), ²University of Groningen, Faculty of Science and Engineering, ³British Antarctic Survey, ⁴University of Massachusetts, Biology Department, ⁵Temple University, Biology Department</i>	
16:00-17:30 Hall 2		Poster session	
19:00-23:00 Gamla bíó		Conference dinner	

Thursday, September 7, 2023

08:00-09:45 Conference Room		Panel Discussion	
08:00-09:45		Improving Cooperation between European Projects Isabel Sousa Pinto <i>Ciimar And University Of Porto</i>	
09:45-10:00 Foyer		Coffee break	
10:00-10:45 Conference Room	S14	Patterns of change in biodiversity and ecosystem function	
	Chair:	Einar Pétur Jónsson, Marine and Freshwater Research Institute, Hafnarfjörður	
10:00-10:15	S14-01	Characterizing the propagation capability of different <i>Gelidium corneum</i> populations along the Southern Bay of Biscay (North of Spain) Begoña Sánchez-Astráin, Samuel Sainz-Villegas, Xabier Guinda, Camino F. de la Hoz, Araceli Puente, Jose Antonio Juanes <i>The Environmental Hydraulics Institute of University of Cantabria, Coastal Ecosystems</i>	

10:15-10:30	S14-02	<p>Effects of Fishing Effort on Fatty Acid Composition and Organoleptic Quality of <i>Mullus barbatus</i> in the Central Mediterranean Sea</p> <p>Giacomo Milisenda¹, Manfredi Di Lorenzo¹, Mar Bosch-Belmar², Fabio Fiorentino³, Sergio Rossi⁴, Emanuela Fanelli⁵</p> <p>¹Stazione Zoologica Anton Dohrn, Integrative Marine Ecology, ²University of Palermo, ³National Research Council–CNR, ⁴University of Salento, ⁵Polytechnic University of Marche</p>	
10:30-10:45	S14-03	<p>Divergence of functional phenotypes in feeding elements of Arctic charr (<i>Salvelinus alpinus</i>) along the benthic – pelagic axis.</p> <p>Guðbjörg Ósk Jónsdóttir¹, Laura-Marie von Elm¹, Finnur Ingimarsson², Samuel Tersigni¹, Anthony Curtat¹, Sigurður Sveinn Snorrason¹, Sarah Elisabeth Steele¹, Arnar Pálsson¹</p> <p>¹University of Iceland, ²Natural History Museum of Kópavogur</p>	
10:45-12:00 Conference Room	S15	<p>General Session</p>	
	Chair:	Einar Pétur Jónsson, Marine and Freshwater Research Institute, Hafnarfjörður	
10:45-11:00	S15-01	<p>Uncommon spawning and developmental strategies in the apodid sea cucumber <i>Chiridota laevis</i></p> <p>Sara Jobson¹, Jean-Francois Hamel², Annie Mercier¹</p> <p>¹Memorial University, Ocean Sciences, ²Society for the Exploration and Valuing of the Environment</p>	
11:00-11:15		<p>Filter feeding on filter feeders viewed by the integrative taxonomy perspective: Arcturidae Dana, 1849 on <i>Paramuricea placomus</i> Linnaeus, 1758</p> <p>Vivien Hartmann^{1, 2}, Anne-Nina Lörz², Emanuel Pereira^{3, 4}, Nancy Mercado Salas⁵, Saskia Brix¹</p> <p>¹Senckenberg am Meer, German Centre for Marine Biodiversity Research (DZMB), ²Institute of Marine Ecosystem and Fishery Science (IMF), Center for Earth System Research and Sustainability (CEN), ³CONICET-Universidad de Buenos Aires, Instituto de Biodiversidad y Biología Experimental y Aplicada (IBBEA), ⁴Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Biodiversidad y Biología Experimental (DBBE), ⁵Leibniz Institute for the Analysis of Biodiversity Change, Centre for Taxonomy and Morphology, Museum of Nature Hamburg</p>	
11:15-11:30	S15-03	<p>Developing a mariculture protocol for the intertidal brown macroalga <i>Fucus serratus</i></p> <p>Eoghan Mánuis Cunningham¹, Louise Kregting², Christine Maggs¹, Pamela Walsh¹</p> <p>¹Queen's University Belfast, ²Plant and Food Research</p>	
11:30-11:45	S15-04	<p>Microplastics and marine benthos: insights from field surveys and laboratory experiments</p> <p>Carl Van Colen, Gabriella Pantó, Brecht Vanhove, Paula Aguilera Dal Grande, Tom Moens, Ann Vanreusel</p> <p>Ghent University, Marine Biology Research Group</p>	
12:00-13:15 Conference Room		Lunch	
13:15-17:15 Conference Room, Foyer		<p>Field Excursion</p> <p>Yellow submarine</p>	

Friday, September 8, 2023

08:00-09:00 Conference Room		<p>Marine biodiversity change: grand challenges and glimmers of hope</p> <p>Keynote</p> <p>Amanda Bates</p> <p>Victoria University</p>	
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	Chair:	Haseeb Randhawa, University of Iceland, Reykjavík	
09:00-10:30 Conference Room	S16	Advancing Monitoring of Biodiversity	
	Chair:	Bjarni Kristjánsson, Hólar University, Sauðárkrókur	
09:00-09:15	S16-01	Scaling the enhancement, monitoring and quantification of marine biodiversity <u>Adam Baske</u> <i>Running Tide</i>	
09:15-09:30	S16-02	IOS4DOM: A Multidisciplinary Approach to Monitor Marine Megafauna and Human Threats in the Western Mediterranean Sea <u>David March</u> ^{1,2} , Javier Menéndez-Blázquez ¹ , Leia Navarro-Herrero ^{1,3} , Irati Abascal ¹ , Greta Jankauskaite ¹ , Natalia Fraija ¹ , François Poisson ⁴ , Ricardo Sagaminaga ⁵ , Joaquín Tintoré ⁶ , Jacob González-Solís ³ , Brendan J Godley ² , Juan Antonio Raga ¹ ¹ University of Valencia, Cavanilles Institute of Biodiversity and Evolutionary Biology, ² University of Exeter, Centre for Ecology and Conservation, ³ Universitat de Barcelona, Institut de Recerca de la Biodiversitat i Dept de Biologia Evolutiva, Ecologia i Ciències Ambientals, ⁴ MARBEC, Université de Montpellier, CNRS, Ifremer, IRD, ⁵ Alnitak, ⁶ Balearic Islands Coastal Observing and Forecasting System (SOCIB)	
09:30-09:45	S16-03	Evaluating the effect of Marine Protected Areas in safeguarding kelp forests against herbivores. <u>Bianca Reis</u> ^{1,2} , Álvaro Sánchez ² , Alexandre Marques ² , Rodrigo Correia ² , Jonas de Azevedo ¹ , Francisco Arenas ¹ , Isabel Sousa-Pinto ¹ , João N. Franco ² ¹ CIIMAR - University of Porto, ² MARE - IPLeiria	
09:45-10:00	S16-04	The unexpected species richness of Arctic rhodolith beds <u>Ines Pyko</u> ¹ , Max Wisshak ² , Thomas Knebelberger ³ , Jochen Halfar ⁴ , Steffen Hetzinger ⁵ , Sebastian Teichert ¹ ¹ Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU), GeoZentrum Nordbayern, ² Senckenberg am Meer, Marine Research Department, ³ Biome-id, ⁴ University of Toronto Mississauga, Chemical and Physical Sciences Department, ⁵ Christian-Albrechts-Universität zu Kiel, Institut für Geowissenschaften	
10:00-10:15	S16-05	Benthic diversity in an Arctic glacial fjord assessed using morphology and sedimentary DNA metabarcoding Mikolaj Mazurkiewicz ¹ , Joanna Pawłowska ¹ , Ines Andrea Barrenechea Angeles ² , Katarzyna Grzelak ¹ , Kajetan Deja ¹ , Agata Zaborska ¹ , Jan Pawlowski ¹ , Maria Wlodarska-Kowalczyk ¹ ¹ Institute of Oceanology Polish Academy of Sciences, ² The Arctic University of Norway	
10:15-10:30	S16-06	Keep a foot on the field and an eye on the sky: distribution and abundance of <i>Mytilus galloprovincialis</i> using traditional methods and drone imagery <u>David Mateus</u> ¹ , Diana Boaventura ² , Andrew Altieri ^{3,4} , José Paula ^{2,5} , Teresa Cruz ¹ ¹ MARE - Marine and Environmental Sciences Centre/ARNET - Aquatic Research Network, Institute for Research and Advanced Training (IIFA), University of Évora, Apartado 190, 7521-903 Sines, Portugal, ² MARE - Marine and Environmental Sciences Centre/ARNET - Aquatic Research Network, Faculty of Sciences, University of Lisbon, 1749-016 Lisboa, Portugal, ³ Smithsonian Tropical Research Institute, Apartado, 0843-03092 Balboa, Ancon, Republic of Panama, ⁴ Environmental Engineering Sciences, University of Florida, Gainesville, Florida, USA, ⁵ Animal Biology Department, Faculty of Sciences, University of Lisbon, 1749-016 Campo Grande, Lisbon, Portugal	
10:30-10:45 Foyer		Coffee break	

10:45-11:45 Conference Room		Bridging the Ice-Ocean-Deep Divides: Blue Carbon and Biodiversity Protection in Polar Regions Keynote Narissa Bax <i>South Atlantic Environmental Research Institute</i>	
11:45-12:30 Conference Room	S17	Marine Biodiversity: Education & Policy	
11:45-12:00	S17-01	Mapping the gap between area-based fisheries management and conservation tools and biodiversity conservation in Iceland <u>Guðbjörg Ásta Ólafsdóttir</u> , Ragnar Edvardsson <i>University of Iceland</i>	
12:00-12:15	S17-02	“Pelagic trip”: citizen science to enhance awareness and conservation of pelagic seabirds in the Northern Ionian Sea (Central Mediterranean Sea) Maurizio Ingrosso ¹ , <u>Stefano Bellomo</u> ² , Francesca Cornelia Santacesaria ² , Carmelo Fanizza ² , Giulia Cipriano ¹ , Roberto Carlucci ¹ , Cristiano Liuzzi ³ ¹ <i>University of Bari Aldo Moro, Department of Biosciences, Biotechnologies and Environment</i> , ² <i>Ionian Dolphin Conservation</i> , ³ <i>Ass.ne Centro Studi de Romita</i>	
12:15-12:30	S17-03	The importance of within species biodiversity for conservation <u>Bjarni Kristjánsson</u> , Skúli Skúlason, Camille Leblanc <i>Hólar University, Aquaculture and Fish Biology</i>	