

SUNDAY 18 SEPTEMBER 2022

18.30-20.00	WELCOME PARTY
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MONDAY 19 SEPTEMBER 2022

8.30 – 9.30	REGISTRATION	
9.30 – 9.45	WELCOME	<p>Prof. Wojciech Zalewski, Dean of the Faculty of Law and Administration University of Gdańsk</p> <p>Prof. Adam Sokołowski, 55 EMBS Organising Committee</p> <p>Prof. Simonetta Fraschetti, EMBS president</p>

09.45 – 15.15	SESSION	Thematic session “Main stressors and their impact on ecosystem health”
	Chair : Simonetta Fraschetti (University of Naples Federico II, Italy)	
09.45 – 10.30	PLENARY	<p>Prof. Mike Elliot</p> <p>“The impacts, detection, prediction and management of endogenic and exogenic stressors on marine environmental health”</p>
10.30 – 10.45	Jordà Molina È. et al.	Spatial and seasonal patterns in macrobenthic communities along the north-western Barents Sea and Nansen Basin
10.45 – 11.00	Ronowicz M. et al.	Kelps and their associated fauna in rapidly changing glacial fjord environment

11.00 – 11.30 **COFFEE BREAK**

11.30 – 11.45	Szymańska N. et al.	Modern climate change impact on foraminifera assemblages of Hornsund (Svalbard)
11.45 – 12.00	Repolho, T. et al.	Lifelong exposure to warmer temperatures does not produce higher tolerance to marine heatwaves (ONLINE)
12.00 – 12.15	Minicheva G.	Macroalgae morphofunctional indicators for ecological assessing of coastal ecosystems (ONLINE)
12.15 – 12.30	Rousou M. et al.	Investigation of marine litter in the deep-seafloor: the case of the Eratosthenes Seamount in the Eastern Mediterranean Sea (ONLINE)
12.30 – 12.45	Snigirova A. et al.	Coexistence of ichthyoneuston and microplastic in the coastal waters of the northwest Black Sea (ONLINE)
12.45 – 13.00	Varigin A.	Response of coastal benthic communities to climate change in the northwestern Black Sea (ONLINE)

13.00 – 14.30 **LUNCH**

	Chair: Simonetta Frascchetti (University of Naples Federico II, Italy)	
14.30 – 14.45	Bardanis E. et al.	Microplastic ingestion in three commercial fishes from the Eastern Mediterranean Sea
14.45 – 15.00	Lepretre A. et al.	Health hazard in the Baltic sea: the effect of perfluorotetradecanoic acid on the Baltic blue mussels <i>Mytilus trossulus</i>
15.00 – 15.15	Koroliesova D.D. et al.	Recovery of <i>Chara aculeolata</i> Kütz. meadows in the Tendrivska Bay (Black Sea) (ONLINE)

15.15 – 15.45 **COFFEE BREAK**

15.45 – 18.15 **POSTER SESSION**

TUESDAY 20 SEPTEMBER 2022

09.15 – 10.45	SESSION	Thematic session “Diversity and physiology of marine organisms. Is there still anything to discover?”
	Chair: Leen Vandepitte (Flanders Marine Institute, Belgium)	
09.15 – 10.00	PLENARY	Prof. Hans-Otto Pörtner “Questions and approaches around climate change and impacts in the ocean: a physiologist's view”
10.00 – 10.15	Iglikowska A. et al.	Shell mineralogy and chemical composition in Arctic bivalves
10.15 – 10.30	Palacios Theil E. and Błażewicz M.	Phylogenetic analyses of members of the deep-sea inhabiting family Neotanaiidae (Peracarida) and some close shallow-water relatives reveal possible colonisation pathways
10.30 – 10.45	Kulakova I.	Nematode communities of the coastal zone area near the Zmeinyy Island (Black Sea) (ONLINE)

10.45 – 11.15 **COFFEE BREAK**

11.15 – 15.15	SESSION	General session
	Chair: Benjamin Weigel (University of Helsinki, Finland)	
11.15 – 12.00	PLENARY	Prof. Jan Marcin Węśławski “Climate change and marine biodiversity in North Atlantic – competitive exclusion or coexistence?”
12.00 – 12.15	Grist E.P.M. et al.	Estimating cetacean population trends from static acoustic monitoring data using Paired Year Ratio Assessment (PYRA)

12.15 – 12.30	Dekeyzer S. et al.	The LifeWatch Species Information Backbone: connecting information on taxonomy, biogeography, ecology, genetics and literature
12.30 – 12.45	Silve V. et al.	Will most suitable spawning grounds for coastal fishes be impacted by climate change? A larval drift modelling approach
12.45 – 13.00	Moreno B. et al.	Key ecological processes in hard-bottom shallow benthic assemblages in the high-Arctic – a long-term multipurpose underwater experiment
13:00	Group photo	

13.00 – 14.30 **LUNCH**

14.30 – 14.45	Gordó-Vilaseca C. et al.	Fish productivity and community changes in the Norwegian and Barents Sea with climate warming
14.45 – 15.00	Orizar I.D.S. et al.	Phytoplankton stoichiometric plasticity under different light, nutrient, and salinity conditions
15.00 – 15.15	Kalashnik K.	Epiphytic algae of seagrasses in the northwestern part of the Black Sea (ONLINE)

15.15 – 15.45 **COFFEE BREAK**

15.45 – 18.15 **YELLOW SUBMARINE**

WEDNESDAY 21 SEPTEMBER 2022

Excursions to the Tip of the Hel Peninsula and the Hel Marine Station of the University of Gdańsk

THURSDAY 22 SEPTEMBER 2022

09.15 – 10.45	SESSION	General session
	Chair: Benjamin Weigel (University of Helsinki, Finland)	
09.15 – 09.30	Morales Luna Hadrys L. et al.	Is the night only a period for sleeping?: benthic feeding activity during the Arctic polar night
09.30 – 09.45	Vandepitte L. et al.	Fifteen years of the World Register of Marine Species (WoRMS): where are we, and what will the next decade bring?
09.45 – 10.00	Silberberger M.J. et al.	Depth-dependent variation in resource utilization of fjord benthic communities
10.00 – 10.15	Perez-Perez R. et al.	The European Ocean Biodiversity Information System (EurOBIS): your gateway to quality controlled marine biodiversity data

10.15 – 10.30	Stachnik M. and Normant-Saremba M.	Microsporidium <i>Hepatospora eriocheir</i> - an emerging pathogen of aquatic invader Chinese mitten crab in the Baltic Sea
10.30 – 10.45	Szczepanek M. et al.	Factors influencing sediment reworking rates in coastal zones of the southern Baltic Sea

10.45 – 11.15 **COFFEE BREAK**

11.15 – 15.15	SESSION	Thematic session “Marine molecular ecology – new tools and new findings”
	Chair: Leen Vandepitte (Flanders Marine Institute, Belgium)	
11.15 – 12.00	PLENARY	Prof. Joe Hoffman “On genetic diversity: new insights from population genomics of marine organisms”
12.00 – 12.15	Pawłowska J. et al.	From genus to genome: searching for environmental DNA responses to environmental changes
12.15 – 12.30	von Borries J. et al.	AFISsys – an autonomous instrument for the preservation of water samples for microbial metatranscriptome analysis
12.30 – 12.45	Mazurkiewicz M. et al.	Biodiversity of benthic fauna along natural disturbance gradient in a glacier-influenced Arctic fjord based on morphological and eDNA metabarcoding survey
12.45 – 13.00	Nguyen N.L. et al.	Diversity of benthic foraminifera from Coastal Svalbard

13.00 – 14.30 **LUNCH**

14.30 – 14.45	Zhao B. et al.	Environmental DNA methylation of <i>Lymnaea stagnalis</i> varies with age and is hypermethylated compared to tissue DNA
14.45 – 15.00	De Michele R. et al.	Unravelling hidden predator-prey interactions among sea urchin juveniles and micropredators by prey DNA amplification
15.00 – 15.15	MEWO Subsea Solutions	Sponsor slot

15.15 – 15.45 **COFFEE BREAK**

15.45 –	Meeting of the Executive Committee EMBS	
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17.30 –	Conference dinner	
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FRIDAY 23 SEPTEMBER 2022

09.15 – 11.00	SESSION	Thematic session “Marine living resources – environmental significance”
	Chair: Katarzyna Smolarz (University of Gdańsk, Poland)	
09.15 – 10.00	PLENARY	Prof. Hanna Mazur-Marzec “Cyanobacteria – are they really so bad?”
10.00 – 10.15	Weigel B. and Peltonen H.	Responses of coastal fishery resources to rapid environmental changes
10.15 – 10.30	Kukliński P. and Kosek K.	Importance of Arctic kelp forest in environmental conditions modification
10.30 – 10.45	Sokolov Y.V.	Selection of priority location for artificial reefs in the north-west Black Sea
10.45 – 11.00	Nadolna-Ałtyn K. et al.	Salmon (<i>Salmo salar</i>) in southern Baltic Sea - condition, diet and presence of Anisakidae nematodes (ONLINE)

11.00 – 11.30 COFFEE BREAK

11.30 –	Closing remarks (Yellow Submarine winners, best poster awards, venue of the next EMBS)
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