Online Conference on

Marginal Seas - Past and Future

16-17 December 2020 All times in Central European Time (CET)

December 16, 2020

13:00	Opening and Introduction	
13:00	Technical Instruction Marcus Reckermann	
13:05	Welcome addresses Chair: Jan Harff	
	Prof. Waldemar Surosz	Chairman of the Polish Scientific Committee on Oceanic Research Polish Academy of Sciences, patron
	Prof. Andrzej Skrendo	Vice-Rector for Science of the University of Szczecin, host
	Dr. Marcus Reckermann	International Baltic Earth Secretariat, Helmholtz-Zentrum Geesthacht, main co- organizer
13:15	Introduction to the conference Jan Harff	nce

Scientific Sessions

(1) Geo-, Eco- and Climate System (Peter Clift, Markus Meier)

	Chair: Peter Clift
13:20	Postglacial changes in relative sea level: a comparative study for the Baltic Sea and the South China Sea Andreas Groh and Jan Harff
13:40	Challenges in modelling of the Last Glacial Cycle and their implications for marginal seas Eduardo Zorita

14:00	Comparison study on climate changes based on temperature between Guangdong-Hong Kong-Macao Greater Bay and European area Bing Wang
14:20	Paleoenvironmental changes of marginal seas during the Last Glacial Cycle Helge Arz, Antje Wegwerth, Olaf Dellwig, Jérôme Kaiser, Markus Czymzik, Norbert Nowakzyk and Frank Lamy
14:40	Coastal seas and hypoxia Markus Meier
15:00	Marginal Seas' Ecosystem's dynamics Corinna Schrum
15:20	Break
	Chair: Markus Meier
15:40	Natural and anthropogenic impacts on ecosystems of marginal seas: reconstruction and assessment tools Teresa Radziejewska and Andrzej Witkowski
16:00	Paleo-ecology related to the Last Glacial Cycle Jinpeng Zhang and Chixin Chen
16:20	Sea-level change during the Last Glacial Cycle Karl Stattegger
16:40	Climatic, sea level and anthropogenic controls on fluvial sediment transport in East Asia Peter D. Clift
17:00	Model approaches for alongshore sediment transport - a case study of the sandy Baltic coast for the period of 1948-2015 Wenyan Zhang
17:20	Geology and coastal processes of Eurasian Arctic Marginal Seas Daria Ryabchuk, Evgeniy Petrov, Vladimir Zhamoida and Pavel Rekant
17:40	Discussion Moderation: Markus Meier
18:00	End of day 1

December 17, 2020

(2) Margi	nal Seas and Society (Jan-Marcin Węsławski, Hans von Storch)
	Chair: Jan-Marcin Węsławski
12:00	The significance of sea-level change and ancient submerged landscapes in human dispersal: A geoarchaeological perspective Geoff Bailey and Hayley Cawthra
12:20	Marginal sea ecosystem services under threats: case studies of anthropogenic fingerprint in marine ecosystems in proximity to Megacities Joanna J. Waniek, Emilie Strady, Kerstin Schiele and Friederike Kunz
12:40	Biogeochemistry-ecosystem-human interactions in the Chinese marginal seas Sumei Liu
13:00	Perceptions of an endangered Baltic Sea Hans von Storch
13:20	How to develop coastal sea system understanding connecting natural and human sciences? Anders Omstedt
	Chair: Hans von Storch
13:40	Multiple drivers of Earth system changes in marginal seas: the example of the Baltic Sea region Marcus Reckermann et al. (24 co-authors)
14:00	Impacts of changing society and climate on nutrient loading to the Baltic Sea Sampo Pihlainen, Marianne Zandersen, Kari Hyytiäinen, Hans Estrup Andersen, Alena Bartosova, Bo Gustafsson, Mohamed Jabloun, Michelle McCrackin, H.E. Markus Meier, Jørgen E. Olesen, Sofia Saraiva, Dennis Swaney and Hans Thodsen
14:20	The role of culture, tradition and indigenous knowledge in coastal management Kevin Parnell
14:40	What is more important - education, tradition or public media for our opinion about Baltic Sea? Jan Marcin Węsławski, Joanna Piwowarczyk and Katarzyna Boni

(3) Scaling / Mapping / Data – Management (Federica Foglini, Jan Harff)

Chair: Jan Harff 15:20 Ocean Sediment Data, Integrated, Local to Global, for Modelling the Marginal Seas (dbSEABED Project) **Chris Jenkins** 15:40 Spatial data integration and harmonization in the Adriatic Sea — how to make data FAIR (Findable, Accessible Interoperable and Researchable) for habitat and geological mapping Federica Foglini and Valentina Grande Chair: Federica Foglini 16:00 **EMODnet: Mapping the European shelf geology** Kristine Asch and the EMODnet Geology participants 16:20 Marine benthic habitat mapping - A case study from the Salish Sea H. Gary Greene 16:40 Remote sensing in monitoring and management of the coastal zone - the southern Baltic Sea example Joanna Dudzinska-Nowak and Wenyan Zhang 17:00 Discussion Moderation: Jan Harff

Conference website:

End of day 2 and farewell

18:00

https://baltic.earth/EMS2/