Oceans Past VII

INTERNATIONAL CONFERENCE

Tracing human interactions with marine ecosystems through deep time: implications for policy and management

PROGRAMME

Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI)
& the German Maritime Museum, Bremerhaven, Germany
22th to 26th October 2018

Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Deutsches Schiffahrts museum

OCEANS PAST INITIATIVE

oceans past platform

AWI

ICES CIEM

Monday 22nd October, @ German Ship Museum (GSM)

MORNING I 9:30 -11.00 Chair: TBC	**Welcome and Conference opening** **Opening Plenary -Speaker TBC**
Coffee/Tea Break 11:00 – 11:30	**@GSM**
MORNING II 11:30 – 13:00 Chair: TBC	**Session I – Oceans prior to contemporary exploitation** 1. Heidi Alleway and Sean Connell – *Historical baselines for shellfish ecosystems, from 500 million years ago to present* 2. Josh Ivinson – *The English trans-Atlantic fishing revolution (1500-1633); Networks, institutions, and drivers of growth* 3. Guðbjörg Ásta Ólafsdóttir, Ragnar Edvardsson & William Patterson – *The stable isotope niche of five North Atlantic fish species in the pristine marine ecosystem*. 4. Charles Travis, Poul Holm, Francis Ludlow, Kevin Lougheed, Kieran Rankin, Al Matthews, John Nicholls, Bernard Allaire, Robert Legg, Lydia Towns - *Inventing the Grand Banks: Humanities, GIS, and Cartesian Perceptions of North-West Atlantic Fisheries ca 1504-ca 1787* 5. Xénia Weber, Morten Tange Olsen, Peter Jordan – *Hunting four thousand years of walrus genomes across the Atlantic Arctic* 6. Cristina Brito - *Back to the future: Early modern exploitation of manatees in the Americas and current conservation issues*
Lunch@GSM 13:00-14:00	**POSTER PARCOURS**
AFTERNOON I 14:00 – 15:30 Chair: TBC	**Session II - Drivers of environmental use and change across historical time frames 1** 1. Romain Grancher – *Experimenting past marine environments: Early practices of measuring the effects of fishing tools (France, 18th-19th centuries)*. 2. Heli Einberg, Riina Klais, Gunta Rubene, Georgs Kornilovs, Ivars Putnis and Henn Ojaveer - *What drives the long term variability of the large lipid-rich copepod Limnocalanus macrurus in the Baltic Sea?* 3. Inês Amorim – *Marine biology and sustainability: M. Oxner (1879-1944) and the research of animal mortality in aquariums* 4. Ilse Alejandra Martínez Candelas, Iván Méndez Loeza, Juan Carlos Pérez Jiménez – *Integrating historical shark records to improve conservation in data-poor fisheries.* 5. Melita Peharda, Gesche Krause, Liz Ashton, Bela H. Buck, Zoë Holbrook et al. – *Bivalve aquaculture in Europe - An historical perspective* 6. Phil Ross – *Don't forget the clam eaters - the importance of incorporating humans into ecosystem thinking*
Coffee/Tea Break 15:30 – 16:00	**@GSM**
AFTERNOON II 16:00 – 17:15 Chair: TBC	**Session III – Drivers of environmental use and change across historical time frames 2** 1. Bo Poulsen – *Oyster Trade in the North Sea and Baltic Sea, c. 1650-1850 – Tracking the rise of Conspicuous Marine Consumption through the Sound Toll Registers* 2. Karsten Reise – *An ecological history of the Wadden Sea* 3. Rui Liu – *A study of the1931 Kokusui-kai ("Patriotic Society") Incident: From the Perspective of Transforming Fishery Management* 4. Nina Vieira – *Facing changes, changing targets: Sperm Whale hunting in Brazil by the late 18th century* 5. Virginia Butler, Sarah Campbell, Kristine Bovy, Michael Etnier – *Exploring changing socioecological coastal systems using archaeo-faunal and ethno-historical- records: a case study from a 2700 yr old village on the North Pacific Coast of North America*
EVENING 17:30 – 19:30	**OPENING GET TOGETHER @AWI** **WELCOME Prof. Dr. Karen Wiltshire Deputy Director AWI (tbc)**

Tuesday 23rd October, @ Alfred-Wegener Institute for Polar and Marine Research (AWI)

MORNING I 9:00 – 11:00 Chair: TBC	**9.-9.45 KEYNOTE II – Speaker TBC** **Session IV - The significance of marine resources for human societies over time: 1** 1. James Barrett et al. – *The Oceans Past Northern Seas Synthesis: How Archaeological Fish Bones Help to Understand the Past and Guide the Future* 2. Richard Breen, John Nicholls & Poul Holm – *Transgressing scientific and historical research? Digital Humanities, an exemplary approach* 3. Cristina Brito, Nina Vieira & Joana Gaspar de Freitas – *The Wonder Whale: A Commodity, a Monster, a Show and an Icon* 4. Jennifer Harland & James Barrett – *Oceans Past Northern Seas Synthesis: The Scottish Story* 5. Anne Karin Hufthammer, Cristina Brito, Margaret Duff Garvey et al. – *Human Seals Interactions in Europe: 2000 years of interactions*
Coffee/Tea Break 11:00 – 11:30	**@AWI**
MORNING II 11:30 – 13:00 Chair: TBC	**Session V – The significance of marine resources for human societies over time: 2** 1. Claire MacKay – *Cetacean Exploitation in Middle Iron Age and Norse Orkney* 2. Al Matthews, Bernard Allaire, Francis Ludlow, Poul Holm – *Dynamics of Fish Markets in France from 1550s to 1750s* 3. Carlotta Mazzoldi, Giovanni Bearzi et al. – *From sea monsters to charismatic megafauna: change in perception and use of large marine animals* 4. Arturo Morales Muñ et al. – *The prehistory of the European hake (Merluccius merluccius, Linnaeus, 1758): Paleoenvironmental and paleocultural implications* 5. Bruno Pinto and & Inês Amorim – *A concise history of the Portuguese museums associated to marine biodiversity* 6. Lembi Lõugas – *Fishponds in the eastern Baltic areas: whether the archaeological fish bones are helpful in detecting the appearance of aquaculture in the region?*
Lunch@GSM 13:00-14:00	**POSTER PARCOURS**
AFTERNOON I 14:00 – 15:30	**@ GSM/AWI - Topical BREAKOUT Groups**
Coffee/Tea Break 15:30 – 16:00	**@AWI**
AFTERNOON II 16:00 – 17:45 Chair: TBC	**Session VI – The significance of marine resources for human societies over time: 3** 1. Ragnar Edvardsson et al. – *Change in Atlantic cod migrations and adaptability of early land-based fishers' concomitant to severe climate variation in the North Atlantic* 2. Muki Shpigel – *An Ecological Approach for a Sustainable Aquaculture in Mediterranean Countries. Past and future*. 3. Frode Sundnes – *Adaptation through time: historical uses of kelp and seaweed along the Norwegian coast* 4. Youri van den Hurk, Camilla Speller, Luke Spindler – *Medieval Cetacean Exploitation in North-Western Europe* 5. Zohar Irit et al. – *The "Blue revolution": Early evidence for fish proto-aquaculture and trade along the Eastern Mediterranean* 6. Daniel Quiroz - *On Monsters & Commodities: the "spectacle" of the whales in southern Chile, XIX-XX Century.* 7. Georgina Hunt, Georg Engelhard, John Pinnegar, Nicholas Polunin, Ben Wigham – *Long-term changes in Northumberland's coastal fishes*
EVENING 18:00 – 19:30	**NETWORK MEETINGS@AWI & GSM**

Wednesday 24th October, @ German Ship Museum (GSM)

MORNING I 9:00 – 11:00 Chair: TBC	**9-9.45 KEYNOTE III - TBC** **Session VII – Paleoecology of the Subarctic Seas: High Latitude Climates, Oceans, Ecosystems, and Human Histories 1** 1. Ben Fitzhugh, Nicole Misarti, Lester Lembke-Jene, George Hambrecht, Thomas McGovern, and Anne de Vernal – Paleo-Ecology and Human History in Subarctic and Arctic Oceans Past: An Introduction to the Paleoecology of Subarctic Seas (PESAS) Working Group 2. Jason Addison, Bruce Finney, Naomi Harada, Kana Nagashima, Ben Fitzhugh - Holocene productivity records of the Subarctic Pacific Ocean: a synthesis from the Gulf of Alaska, the Bering Sea, and the Sea of Okhotsk 3. Christine Bassett, Fred Andrus, Catherine West, Michael Etnier - Fact or Fiction? Neoglacial sea ice off the coast of Unalaska 4. Michael Etnier and Catherine West – Re-examining "the sea ice question" for the Eastern Aleutian Islands in the Neoglacial Period (4700-2500 BP) 5. Christopher Wolff – Cultures on the Rock(s): The Relationship Between Sea Ice Distribution and Human Settlement in Ancient Newfoundland
Coffee/Tea Break 11:00 – 11:30	**@GSM**
MORNING II 11:30 – 13:00 Chair: TBC	**Session VIII – Paleoecology of the Subarctic Seas: High Latitude Climates, Oceans, Ecosystems, and Human Histories 2** 1. James Woollett, Najat Bhiry, Yann Foury, Natasha Roy and Martin Fields – *Local-scale sea ice dynamics in the Okak and Nain regions, Nunatsiavut (Canada): Variability of seal habitat and Inuit settlement and hunting territories* 2. Catherine West, Michael Etnier, Megan Partlow, Steve Barbeaux, Alexei Orlov – *Paleoecology of Subarctic and Arctic Seas: Long-term stock assessment of Pacific Cod (Gadus macrocephalus) in the North Pacific Ocean* *3.* George Hambrecht, Francis Feeley, Megan Hicks, Ramona Harrison, Grace Cesario, Thomas McGovern – *Marine Fish Zooarchaeological Data from Iceland from the Settlement Period through the Early Modern Period* *4.* Caroline Funk, Ariel Taivalkoski, Catherine West, Michael Etnier – *Archaeological avifauna demonstrate 4,000 years of human-marine environment interaction and impact in the eastern Aleutian Islands, North Pacific Ocean* 5. Casey Clark, Lara Horstmann, Nicole Misarti – *Reconstructing Pacific Walrus Population Dynamics Using Trace Elements in Teeth* 6. Vicki Szabo et al. – *Whale Use in Medieval Iceland from Landnám to the Little Ice Age: Molecular and Multidisciplinary Approaches*
Lunch@GSM 13:00-14:00	**POSTER PARCOURS**
AFTERNOON I 14:00 – 15:30	**@ GSM/AWI Topical BREAKOUT Groups**
Coffee/Tea Break 15:30 – 16:00	**@GSM**
AFTERNOON II 16:00 – 17:45 Chair: TBC	**Session IX – Paleoecology of the Subarctic Seas: High Latitude Climates, Oceans, Ecosystems, and Human Histories 3** 1. Thomas McGovern & Wendi Coleman – *Walrus, Great Auks, Seals, Cod, and Trout: Provisioning Landnám in Iceland* 2. Seth Brewington - *Marine Resources and Food Security: Seabird Exploitation in the Viking-Age to Early-Medieval Faroe Islands* 3. Grace Cesario – *Viking Age Marine Adaptations in Skagafjörður, North Iceland: Artisanal Fishing and Seabird Exploitation* 4. Jón Haukur Ingimundarson, Frank Feeley, George Hambrecht – *Elite managed13th c fisheries in Iceland; documents and zooarchaeology* *5.* Megan Hicks – *Migrant Laborers and Networked subsistence: inland communities and the coastal fisheries of Iceland* *6.* James H. Barrett, Bastiaan Star, Catherine J. Kneale, Tamsin C. O'Connell, Agata T. Gondek and Sanne Boessenkool – *Walrus Ivory in Medieval Europe: Artefactual, Ancient DNA and Stable Isotope Evidence for Ecological Globalization* 7. Morten Tange Olsen, Anders Galatius and Tero Härkönen - *The history and effects of seal-fishery conflicts in Denmark*
EVENING 19:00 – 22:00	**CONFERENCE DINNER: OPEN STAGE@ GERMAN EMIGRATION CENTER**

Thursday 25th October, @ German Ship Museum (GSM)

MORNING I 9:00 – 11:00	**9-9.45 KEYNOTE IV - TBC** **Session X - Implications of past and present human ocean activities for coastal and marine policy development: 1** 1. Ana Catarina Abrantes Garcia and Nina Vieira – *The blood of the whale. Early modern age pollution related with whaling activity* 2. Celso Aleixo Pinto & Cristina Brito – *Coastal erosion and risk management in a changing climate: Adaptive capacity and strategy for Portugal's coastline.* 3. Pekka Salmi and Kirsi Sonck-Rautio – *Invisible work, ignored knowledge? Changing gender roles, division of labour and household strategies in Finnish small-scale fisheries* 4. Siri Gerrard and Katia Frangoudes – *Gender* 5. Takehiro Saito – *The Swedish Fishery Policy during the mid-18th century: A historical perspective on governmental promotion and management of fisheries*
Coffee/Tea Break 11:00 – 11:30	**@GSM**
MORNING II 11:30 – 13:00	**Session XI - Implications of past and present human ocean activities for coastal and marine policy development:2** 1. Joseph Christensen and Malcolm Tull – *The Western Australian pearling industry provides a case study of the challenges faced by a capital-intensive and technologically advanced industry operating in a remote and risky environment.* 2. Gesche Krause, Heidi Alleway et al. – *Considering Culture in Aquaculture: Reflections on role of history and communication in the social license of marine aquaculture*. 3. Julia Lajus – *Programmes for increasing of biological productivity of northern seas in the Soviet Union: roots, implications and consequences* 4. Elena Canadelli – *Biological stations, study of marine life and coastal policy development: the case study of the Hydrobiological Station of Chioggia (1940–1964)* 5. Bryony Caswell, Ruth Thurstan, Emily Klein et al. – *Something old, something new: lessons from history for contemporary blue growth agendas*. 6. Maximilian Felix Schupp, Gesche Krause & Bela Buck – *A typology of marine multi-use scenarios*
Lunch@GSM 13:00-14:00	**POSTER PARCOURS**
AFTERNOON I 14:00 – 15:30	**PANEL: Research integration and implementation – insights from different communities**
Coffee/Tea Break 15:30 – 16:00	**@GSM**
AFTERNOON II 16:00 – 17:45	**Session XII - Implications of past and present human ocean activities for coastal and marine policy development:3** 1. Polly Burns, Julie Hawkins, and Callum Roberts – *The Old Man and the Sea: Reconstructing the History of Ocean Life around Ascension Island* 2. Dmitry Lajus and Rohani Ambo Rappe – *Development of seahorse fisheries in Indonesia* 3. Ing. Jürgen Jensen, Daniela Elisabeth Vollmer – *Sea-level Rise, Storm Surges and the development of the North Sea Coastline of Germany during the last 1000 years* 4. Elodie Fache and Annette Breckwoldt – *Small-scale managed marine areas over time: Developments and challenges in a local Fijian reef fishery* 5. Alberto Barausse, Davide Dalla Barba, Carlotta Mazzoldi, Luca Palmerim – *Long-term time series and simple ecological models prove the importance of an ecosystem approach to manage small pelagic fisheries in the northern-central Adriatic Sea* 6. Alison MacDiarmid and Gesche Krause – *Overcoming objections: Harnessing the full potential of historical research for marine policy development*
EVENING 18:00 – 19:30	**SCIENCE – POLICY FORUM@GSM (Moderation: Alison MacDiarmid)**

Friday 26th October, @ Alfred-Wegener Institute for Polar and Marine Research (AWI)

MORNING I 9:00 – 11:00	**9-9.30 PANEL TALKS AND RESPONDENTS – overnight thoughts on Science-Policy Forum** **Session XIII – Development of indictors** 1. Gesche Krause et al. – *Applying Social Indicators to Support Knowledge Transfer for Aquaculture within the "Blue Growth Strategy"* 2. Miguel Cortés Sánchez et al. – *Non-analogue conditions during Heinrich Event 1 in the Alborán sea: horse mussels (Modiolus modiolus Linnaeus, 1758) from Roca Chica Cave (Málaga, Spain)*. 3. Hreiðar Þór Valtýsson, Hörður Sævaldsson, Jón Þór – *The fishing effort by the Icelandic fleet since 1900* 4. Cordula Scherer, Francis Ludlow, Al Matthews, and Poul Holm - *Reconstructing the conditions of Ocean Productivity during 1400-1700 CE* 5. Margarita Berg, Konrad Ott – *Early 20th Century Tourism at the German Baltic Coast – Attracting Factors, Conflicts and Ramifications* 6. Jens Ruppenthal – *Canned baselines: consumer society and the idea of inexhaustibility of marine resources*
Coffee/Tea Break 11:00 – 11:30	**@AWI**
MORNING II 11:30 – 13:00	**Rapporteur Session on topical BREAKOUT Groups 11.30 – 12.15** **Session XIV - Factors that have encouraged societies to exploit or leave the oceans:1** 1. Tomaso Fortibuoni, Saša Raicevich – *The development of marine fisheries in the Austro-Hungarian Empire at the end of the 19th century* 2. Patrick Hayes, Poul Holm – *The impact of piracy on coastal societies and maritime industry in Ireland, 1546-1640*. 3. Patrick Klinger – *A Sea of Opportunity: Herring, Union, and the Rise of Western Scotland (c 1670-1710)*
Lunch@GSM 13:00-14:00	
AFTERNOON I 14:00 – 15:30	**Session XIV - Factors that have encouraged societies to exploit or leave the oceans :2** 1. Alexei Kraikovski – *Exploitation of the Oceanic resources and the westernization of Russia in the 18th century*. 2. Mary McGillicuddy – *The role of Women in the Mackerel Fishing Industry, southern Ireland, c.1880-1920's* 3. Bo Poulsen et al. – *Living on The Edge – Floods, Fisheries and Migration on the Danish West Coast and The Limfjord, c. 1750-1930* 4. Bo Poulsen – *Colonial Lure and Mass Consumption – The 1931 Sea Exhibition in Copenhagen* 5. Simon Mølholm Olesen – *The scramble for Greenland: Re-governing an Arctic frontier in light of competitive colonialism in the early 18th century* 6. Martin P.M. Weiss – *The Marine Sciences in East Germany, 1949-1990*
15:30 – 16:00	**OPEN PANEL: CONFERENCE OBSERVATIONS – Next Steps** **CLOSE AND FAREWELL**

Poster Session

1. Saša Raicevich, Alberto Barausse, Elena Canadelli, Tomaso Fortibuoni, Carlotta Mazzoldi – Historical ecology of semi-enclosed basins and coastal areas: Past, present and future of seas at risk
2.