

Sea Level Conference Program,
Location: International Maritime Museum Hamburg, Deck 10
Dates: June 5 – 7, 2023
Language: English

Monday, June 5, 2023		Sea Level Conference, International Maritime Museum Hamburg, Deck 10	
Session	Time	Presenter	Subject
Opening Session 9:00 – 9:30 (30 minutes)	9:00 – 9:15	Detlef Stammer, SPP1889	
	9:15 – 9:20	Vize-Präsident Louis, UHH	
	9:20 – 9:30	Senator Kerstan, FHH BUKEA	
Thematic Introduction 9:30 – 10:30 (60 minutes)	9:30 – 9:50	Rapti Siriwardane, Johannes Herbeck, Gerhard Schmidl	Thematic Introduction: Regional societal impacts of sea level rise in Northern Europe and South East Asia/ Indonesia.
	9:50 – 10:10	Robert Nicholls	A global perspective on climate-induced versus relative sea-level rise: implication for risk and adaptation.
	10:10 – 10:30	Shaikh Naiduzzaman	Climate Change, Sea level Rise & It's Impact on Water Management for the Coastal Communities of Bangladesh.
10:30-11:00	Coffee Break		
Thematic Introduction 11:00 – 12:30 (90 minutes)	11:00 – 11:15	Jochen Hinkel, Boris Braun, Nassos Vafeidis	Thematic Introduction: Adaptation, Decision Analysis and Governance.
	11:15 – 11:35	Bart van den Hurk	Sea level rise and risk management of long term spatial planning decisions in low-lying areas.
	11:35– 11:55	Abhisek Chatterjee	Regional downscaling of sea level projections for the north Indian Ocean.
	11:55– 12:10	Monika Rhein, Ben Marzeion, Juergen Kusche	Thematic Introduction: Physical Contributions to global and regional sea level changes.
	12:10 – 12:30	Lee-Lueng Fu	The status of the SWOT Mission and its potential applications to the impact of sea level rise to coastal regions.
12:30 – 13:30	Lunch		
Session 1: Northern Europe/German Bight Chair: J. Hinkel 13:30 – 15:00 (90 minutes)	13:30 – 13:45	Gonéri Le Cozannet	Coastal adaptation to sea-level rise: key messages from the WGII of the 6th Assessment Report.
	13:45 – 14:00	Detlef Stammer	Mechanisms behind Sea Level Variations in the North Sea.
	14:00 – 14:15	Gerhard Schmiedl	Unraveling the signals of sea level and storminess in the southern North Sea of the past millennium.
	14:15– 14:30	Zeinab Azarakhsh	Vertical sea floor motion of German Bight with focus on Cuxhaven.
	14:30 – 14:45	Karina Stockmann	Sea-level services at BSH for North and Baltic seas.
	14:45 – 15:00	Tim Hermans	The Timing of Decreasing Coastal Flood Protection Due to Sea-Level Rise
15:00 – 15:30	Coffee Break		
Session 1: Northern Europe/German Bight 15:30 – 17:30 (120 minutes)	15:30 – 15:45	Gabriele Gönnert	Hamburg's approach to sea level rise in the context of flood protection
	15:45 – 16:00	Johannes Pein	A framework for estuarine future sea level scenarios: Response of the industrialised Elbe estuary to projected mean sea level rise and internal variability.
	16:00 – 16:15	Sunna Kupfer	SEASCAPE: Comprehensive assessment of future flood risk and optimal adaptation strategies to sea level rise.
	16:15– 16:30	Stephan Seibert	The role of past and future hydrogeological boundary conditions for groundwater salinization in Northwestern Germany.
	16:30 – 16:45	Leena Karrasch	Groundwater salinization in North West Germany - a societal challenge of climate adaptation.
	16:45 – 17:30	Wrap-up Discussion	

Monday, June 5, 2023	Public Sea level Event, International Maritime Museum Hamburg
17:30 – 18:00	Drinks and snacks Deck 10
18:00 – 19:30 Chair: D. Stammer	<p>Public Evening Event, Deck 10 of the IMM: Sprache: Deutsch</p> <p>Klimawandel und Küstenschutz – sind wir vorbereitet?</p> <p>Moderation: Kristina Sterz</p> <p>Impulsvortrag: Peter Fröhle</p> <p>Panel Diskussion: Professor Peter Fröhle (TUHH) Professor Gabriele Gönnert (LSBG) Professor Bart van den Hurk (Deltares) Privatdozent Jochen Hinkel (GCF) Michael Pollmann, Staatssekretär FHH BUKEA Anka Dobslaw, Staatssekretärin im niedersächsischen Ministerium für Umwelt, Energie und Klimaschutz Katja Günther, Staatssekretärin im Ministerium für Energiewende, Klimaschutz, Umwelt und Natur, Schleswig -Holstein Michael Schirmer, Deichhauptmann, Bremen</p>
19:30 – 21:00	Reception, Deck 2 of the IMM

Tuesday, June 6, 2023		Sea Level Conference, International Maritime Museum Hamburg, Deck 10	
Session	Time	Presenter	Subject
Session 2: Indo-Pacific Region (1): SLR projections and impacts Chair: G. Schmidl 9:00 – 10:30 (90 minutes)	9:00 – 9:15	Benjamin Horton	The Southeast Asia Sea-Level Program.
	9:15 – 9:30	Gerd Masselink	Natural adaptation of atoll islands to sea-level rise offering opportunities for ongoing human occupation.
	9:30 – 9:45	Rémi Thieblemont	Emergence of high-tide flooding in French Guiana due to sea-level rise.
	9:45 – 10:00	Eduardo Zorita-Calvo	Prediction of extreme sea-levels in Southeast Asia and the Baltic Sea with Random Forest.
	10:00 – 10:15	Yannis Kappelmann	The evolution of reef islands in Southeast Asia during the Holocene - Effects of sea level, monsoon winds and changing ecosystems.
	10:15 – 10:30	Yi Jin	Projected sea-level trends and variability in the Southeast Asia region based on MPI-ESM-ER.
10:30-11:00	Coffee Break		
Session 2: Indo-Pacific Region (2): Communities, adaptation and social capital 11:00 – 12:30 (90 minutes)	11:00 – 11:15	Niesters Lisa-Michéle	Accommodating coastal hazards: Collective action, social capital, and (trans-)localities - examples from Indonesia.
	11:15 – 11:30	Boris Braun/Konstantin Gisevius	Building adaptive capacity through translocal social capital: Sea level rise and resilience of coastal communities in the Indonesian second-tier cities Denpasar and Padang.
	11:30– 11:45	Fadjar Thufail	Sea-Level Rise and Mitigating the Loss of Coastal Traditions: A View from Indonesian Small Islands.
	11:45– 12:00	Gabriel David	Considering socio-political framings when analyzing coastal climate change effects can prevent maldevelopment on small islands.
	12:00 – 12:15	Johannes Herbeck	Fixing the coast? Global trajectories of multifunctional diking and scales of territorialization.
	12:15 – 12:30	Rapti Siriwardane	Buoyant Life: Contradictions on ‘Deepscaling’ Floating Urban Infrastructural Experiments in Coastal Java.
12:30 – 13:30	Lunch		
Session 3: Sea Level Processes and Methods Chair: Z. Azarakhsh 13:30 – 15:00 (90 minutes)	13:30 – 13:45	C.K. Shum	Determination of present-day rapid relative sea-level rise at regional scales: challenges and progress.
	13:45 – 14:00	Matthias Braun	Estimating regional glacier mass change as a contributor to sea level rise.
	14:00 – 14:15	Julia Eis	A new method to allocate the responsibility for regional, glacier-related sea level change.
	14:15– 14:30	Oliver Huhn	Basal glacial meltwater on Greenland’s shelves and slopes, from the northeast towards Irminger Sea and Labrador Sea.
	14:30 – 14:45	Torsten Kanzow	Evolution of ocean heat transport to glaciers in Northeast Greenland modulated by recirculation of warm Atlantic Water in Fram Strait.
	14:45 – 15:00	Charlotte Rahlwes	Uncertainties in projected sea-level contributions from the Greenland ice sheet.
15:00 – 15:30	Coffee Break		
Session 3: Sea Level Processes and Methods, continuing. Chair: O. Huhn 15:30 – 17:30 (120 minutes)	15:30 – 15:45	Claudia Wekerle	High-resolution simulations of the ocean circulation beneath the 79° North Glacier.
	15:45 – 16:00	Tilo Schöne	Coastal Sea Level Change -The Millimeter and the Decimeter.
	16:00 – 16:15	Peter Steiglechner	The right mix of cognitive biases and ambiguity of opinions fosters societal concern about climate change.
	16:15– 16:30	Louis Cellier	Climate services for beach management and climate change adaptation.
	16:30 – 16:45	Deyshan Moser	Facing global environmental change: The role of culturally embedded cognitive biases.
	16:45 – 17:00	Fiona Hibbert	A Palaeo perspective on high end sea-level scenarios.
	17:00 – 17:30	Wrap-up Discussion	

Wednesday, June 7, 2023	Sea Level Conference, International Maritime Museum Hamburg, Deck 10		
Session	Time	Presenter	Subject
Session 3: Sea Level Processes and Methods, continuing 9:00 – 10:00 (60 minutes)	9:00 – 9:15	Kaiyan Yao	External forcing impact on global mean sea level in the preindustrial millennium.
	9:15 – 9:30	Bernd Uebbing, Jürgen Kusche, Martin Horwath	Reconciling ocean mass change and glacial isostatic adjustment from satellite gravity and altimetry
	9:30 – 9:45	Jochen Hinkel	Learning Scenarios: the missing link between sea level science and coastal decision making.
	9:45– 10:00	Kathleen L. McInnes	Coastal hazard modeling in Australia. Developing new datasets to inform coastal hazards now and in the future.
Session 4: Sea Level Rise Projections and Uncertainties Chairs: S. Nandini-Weiss 10:00 – 10:30 (30 minutes)	10:00 – 10:15	Benjamin Harrison	Towards Physically Consistent Sea Level Rise Storylines for the United Kingdom.
	10:15 – 10:30	Chathurika Wickramage	Sensitivity of MPI-ESM Sea Level Projections to Its Ocean Spatial Resolution.
10:30-11:00	Coffee Break		
Session 4: Sea Level Rise Projections and Uncertainties, continuing Chairs: C. Wickramage 11:00 – 12:30 (90 minutes)	11:00 – 11:15	Victor Malagón Santos	Improving Statistical Projections of Dynamic Sea-Level Change Using Pattern Recognition Techniques.
	11:15 – 11:30	Sri Durgesh Nandini-Weiss	Future shifts in sea level statistics- implications with the MPI-GE model.
	11:30– 12:30	Final Discussion and Closing of the conference	
12:30 – 13:30	Lunch		

Wednesday, June 7, 2023		SPP 1889 Status Seminar, International Maritime Museum Hamburg, Deck 10	
Session	Time	Presenter	Subject
Closed Session for SPP members 14:00 – 16:00	14:00 – 14:30	D. Stammer	Opening.
	14:15 – 14:45	Chr. Sudmann	Input from the DFG
	14:45 – 16:00	D. Stammer, all	General SPP Discussion