Day 1 March 14th (Thursday)

Location : Oudemagazijn, Amersfoort https://oudemagazijn.nl

Time	Program
08:30 - 09:00	Arrival and Registration
09:00 - 09:15	Opening ceremony
09:15 - 09:45	Keynote: **Bart van der Hurk : Perspectives on sea level rise and IPCC**
09:45 - 10:15	**Session 1: Sand waves (Chair: Geert Campmans)**
09:45 - 09:57	Modelling sand wave-induced form roughness: The complexity of a tidal setting (L. Portos-Amill)
09:57 - 10:09	Simulating 3D Sand Wave Recovery After Pre-sweeping in Delft3D FM (Z.T.F. Tam)
10:09 - 10:21	Storm-driven migration of tidal sand waves: analysis of high resolution bathymetric data (J.H. Damveld)
10:21 - 10:33	Tipping dynamics in estuarine bedforms under high flow conditions (R.C. van de Vijsel)
10:33 - 11:30	Coffee break and poster pitches 1. Calculating sand wave-induced form roughness coefficients for a section of the Netherlands Continental Shelf. (C.H. Bedon Pineda) 2. Large-Scale Sand Extraction on the Netherlands Continental Shelf: a Surficial Wound or a Deep Scar? (W. Ploeg) 3. Modelling in-situ sand wave dynamics for offshore engineering activities: the role of slope-induced transport (P.H.P. Overes) 4. Understanding Flows and Eddies in the Norwegian Trench (A. Enge) 5. Effects of shell content on bed mobility under mixed oscillatory and unidirectional flow conditions (J.W. Bosma) 6. Linking headland bypassing to the evolution of a spit and beach ridge system - Slocums River Embayment, Buzzards Bay, Massachusetts, USA (Silke Tas) 7. Modelling sand grains exposure to sunlight for sediment tracing in coastal settings (N. Pannozzo) 8. Towards understanding storm-induced sediment losses for a large-scale nourishment strategy at the Belgian Coast (H. Castro Lara) 9. Machine learning for post-storm profile predictions (K. van Asselt) 10. Simulation of cross-shore sandbar migration in a wave-averaged model (H. Shafiei) 11. Influence of intertidal wetlands on salt intrusion: 3D modelling of an engineered estuary environment (R.W.A. Siemes) 12. Influence of lateral estuarine bathymetry on salt intrusion in single-channel systems and channel junctions (Hendrik Jongbloed)
11:30 - 12:30	**Session 2: Coasts (Chair: Evelien Brand, Rijkswaterstaat)**
11:30 - 11:42	How do shells of different shapes influence current-driven sand transport? (T.J. Kooistra)
11:42 - 11:54	Length-scales of similarities in coastal morphological behaviour (L.W.M. Roest)
11:54 - 12:06	Multi-temporal shoreline dynamics of the repeatedly nourished coast of Egmond-Bergen quantified from satellite imagery (J.S. Löhr)
12:06 - 12:18	Sediment and nourishment demand of the Dutch coast under sea level rise (L. Brakenhoff)
12:18 - 12:30	Simulation of aeolian sediment transport with inter-particle moisture using Discrete Particle Modelling (X Wang)

12:30 - 13:45	Lunch
13:45 - 14:45	**Session 3: Estuarine hydrodynamics (Chair: Wouter Kranenburg, Deltares and TUD)**
13:45 - 13:57	Human footprint on tides dominates water levels in estuaries around the world (J.G.W. Beemster)
13:57 - 14:09	Saltwater entrainment from bathymetric depressions: A CFD analysis from a laboratory cavity to a scour hole in the Haringvliet estuary (A.A. Almohagry)
14:09 - 14:21	The effectiveness of fresh-water pulses to mitigate salt intrusion into the Lek River (Y Huismans)
14:21 - 14:33	The Influence of Estuarine Sand Dunes on Salt Intrusion (S.J. Geerts)
14:33 - 14:45	Tidal phase differences in multi-branch systems and their effect on salinity intrusion (J. de Wilde)
14:45 - 15:45	Coffee break and poster pitches (continued) 13. The impact of morphological evolution on hydrodynamics and sediment redistribution of the Western Scheldt estuary from 1200-2020 (J. Mi) 14. The influence of lateral dynamics on the sediment dynamics in tidally dominated estuaries (M.P. Rozendaal) 15. Improving certainty in ADCP suspended sediment monitoring using multiple frequencies (R.A.J. Jaarsma) 16. Anthropogenic and climate forcing cause major changes in the GBM delta morphology in the 21st century (Johan Reyns) 17. Evaluating the impact of natural and anthropogenic factors on fine sediment dynamics in the Wadden Sea based on hydrodynamic and suspended sediment observations near Holwerd and Ferwerd (Q. Bi) 18. Roles of sand, silt, and clay in the morphodynamics of mixed sediment environments (PS Miranda) 19. Response time of global deltas to river sediment supply change (J. Wang) 20. Long-term evolution of intertidal flats in the Western Scheldt under accelerating sea level rise (M.G. Aguilera Chaves) 21. State of the Coast: Leveraging Global Datasets to Advance Local Scale Coastal Risk Assessments (C. Rowe) 22. Exploring Automatic Channel Network Detection in the Historic Western Scheldt (L Beyaard) 23. The Roggenplaat intertidal flat nourishment: development of the sediment composition (N.P. Vermeer)
15:45 - 17:00	**Session 4: Estuarine morphodynamics (Chair: Roy van Weerdenburg, Deltares/TUD)**
15:45 - 15:57	When and where to construct a sill to mitigate estuarine salt intrusion (G.G. Hendrickx)
15:57 - 16:09	An experimental study on the effects of fixed banks on estuarine morphodynamics (E.W. Nota)
16:09 - 16:21	Future sand dynamics in the Mekong Delta (A. Kwadijk)
16:21 - 16:33	Assessing Sea Level Rise Impact on Estuarine Morphodynamics (M. Reyes)
16:33 - 16:45	XBeach modelling of storm sequence effects on dune erosion near Egmond aan Zee (M. Niemeijer)
16:45 - 16:57	The role of turbidity in maintaining intertidal areas globally (T.J. Grandjean)
17:00 - 21:00	Dinner (and YNCK-activity) near Oude Magazijn