

Morphodynamics of the Wadden Sea: recent research and future challenges.

09.30 - 10.00 Registration, coffee and tea

10.00 - 10.15 Welcome and introduction (Piet Hoekstra)

10.15 - 11.15

Session 1: Tidal inlets, ebb tidal deltas and adjacent coastal zone

(Format: general introduction, short presentations and discussion)

- General introduction; overview and intro SEAWAD project (Maarten van der Vegt; UU - 12 min)
(3 short presentations – each about 8 minutes)
- Ebb tidal deltas on the move: cyclic channel-shoal dynamics (Klaas Lenstra; UU)
- Long term dynamics of multiple inlet systems. An idealized modelling approach. (Pieter Roos; UT)
- Bedform dynamics on the Ameland ebb-tidal delta (Laura Brakenhoff; UU).

- Discussion

11.15 - 11.45 Coffee/tea break

11.45 – 12.45

Session 2: Tidal basins, interaction channels and shoals

(same format)

- General introduction; modelling of the Wadden Sea (Pieter Koen Tonnon; Deltares - 12 min)
(3 Short presentations; each about 8 minutes)
- Sea level rise and Sediment budgets (Ad van der Spek; Deltares - UU)
- Mud transport and morphology in the Wadden Sea (Peter Herman; Deltares - TUD)
- Mud as a resource: reducing turbidity while keeping up with sea level rise (Bas van Maren; Deltares - TUD)

- Discussion

12.45 – 13.30 Lunch break

13.30 - 14.30

Session 3: Tidal flats and salt marshes

(same format)

- General introduction; mud motor (Martin Baptist; WUR 12 min)
(3 Short presentations; each about 8 minutes)
- Transport processes in tidal channels (Theo Gerkema; NIOZ)
- Winds of Opportunity: the influence of wind on tidal flat morphology (Irene Colosimo; TUD)
- Deposition in salt marshes (Kelly Elschot; WUR - *to be confirmed later*)

- Discussion

14.30 – 15.00 Refreshing break

15.00 – 15.30 Overall discussion – wrap up.

15.30 – 16.30 Drinks