MEGA-NOURISHMENTS: A FIRST COMPARISON W.R.T. DUNE FORMATION - THE SANDMOTOR

- Sandmotor vs. regular beach nourishment
- Sandmotor vs. natural sandflat
- Sandmotor vs. shoreline extension projects
SAND MOTOR VS. SHORELINE EXTENSION PROJECTS

Initial state

Man-made dune

‘clean slate’

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DUNE AND VEGETATION DEVELOPMENT FROM ‘CLEAN SLATE’ AFTER 6 YEARS

Incipient hummocky dunes

Incipient foredune ridges (II)

newly formed foredune (I)

dune reinforcement (marram planted sand dike)

June 1, 2017, Argus video image

July 7, 2017, shoremonitoring.nl
DISCUSSION

1. How does initial design affect dune formation and ecological development?

2. How do human activities (use, management) affect dune and ecological development?

3. How important is the particular sequencing of forcing conditions that occurs? (e.g. wind, precipitation, temperature)
SAND MOTOR VS. SHORELINE EXTENSION PROJECTS

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