



Sand Engine, Kijkduin, The Hague, the Netherlands

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Sand Engine, Kijkduin, The Hague, the Netherlands. Researchers (Jantien Rutten and Paul van Wiechen; Delft University of Technology) service instruments and measure coastal morphology. During a six-week field experiment along the Dutch coast, two dunes have been artificially created by bulldozers to be eroded by wind, surge, and wave forcing. During these events, a large array of over 60 sensors were installed to measure bed-altimetry, water levels, flow velocities, dune morphology, sediment concentrations, *etc.* Three storms have subsequently hit the artificial dunes and instruments. During this international RealDune/Reflex experiment, the relation between wave forcing (and nearshore wave transformation) and morphological changes due to (and during) the storms are intensively studied in a 3D field domain. Results are analyzed and ultimately used to improve detailed dune erosion models. (Photograph taken November 2021 by Dr. Ir. S. (Sierd) de Vries, TU Delft, The Netherlands.)