Meet & Greet; Domburg, Zandvoort & Bergen-Egmond

Dutch Coastal Laboratories of WP3 - Midterm event 8 March 2018

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Work Package three of Interreg Building with Nature will assess the effectiveness of ten coastal laboratories in the North Sea Region (NSR). The coastal laboratories consist mostly of shoreface or beach nourishments that will be assessed regarding climate change adaptation. Three laboratories are in The Netherlands; Domburg, Zandvoort and Bergen-Egmond (fig 1). These coastal towns are nourished frequently. The experience on the behaviour of these nourishments will contribute to the evidence base on the effectiveness of nourishments in the NSR.

2. Zandvoort

Zandvoort is a well known holiday destination for many Dutch and German citizens. A visit to this beach in summer is popular and can therefore it be very crowded (fig 3). The shoreface of Zandvoort has been nourished multiple times (shoreface nourishment). These nourishments counteract the ongoing natural beach erosion by influencing the underwater sandbars and keep the coastline at its desired position.

3. Bergen-Egmond

Another frequently nourished location along the Dutch coast is the Bergen-Egmond stretch. At this location often a beach and shoreface nourishment combination is applied to keep the coastline at its current position and protect the natural dune areas (fig 4).

Fig 1: Dutch coastal Laboratories

Fig 2: Domburg, the Netherlands (Source: Beeldbank Rijkswaterstaat).

Fig 3: Zandvoort, the Netherlands (Source: Beeldbank Rijkswaterstaat).

Fig 4: Bergen-Egmond, the Netherlands (Source: Beeldbank Rijkswaterstaat).