NOOS annual report 2017

Member report – the Netherlands

November 2017

Country	The Netherlands
Institution	Rijkswaterstaat, Deltares, KNMI
Observations Status and new initiatives	*Status:* • Total reorganization of measuring network software is still in preparation; • Current measuring pole installed near Eemshaven, data in matroos. *New initiatives:* • HF radar in approach area of Rotterdam Harbour operational, see: http://waterberichtgeving.rws.nl/wbviewer/map.php?set=zeedelta_mmnd&map=zeedelta_mmnd. Scroll back in time en HF will appear. • Test to receive GTS observations via KNMI.
Modelling Status and new initiatives	*Status:* • The current operational version of DCSM-version6 will soon replace the distribution of DCSM-version5 of KNMI. BMA based on RWS modelforecast now. • Working on new plans for extending and improving BMA. • Setting up the exchange of wave forecasts • Computation of water transport through predefined transects, based on DCSMv6ZUNOv4 on Matroos, waiting to take of to BSH, to NOOS. • Tests with new ST6-settings within SWAN for operational wave modelling *New initiatives:* • Start with a 3D model of Rotterdam Approach and Harbour for navigation and salt intrusion is under negotiation. • Deltares is working on a 3D North Sea model. • Deltares has developed GLOSSIS (Global Storm Surge Forecasting and Information System) with the Delft3D Flexible Mesh Suite (DFLOW-FM). see www.globalfloodforecast.com
Dissemination Status and new initiatives	*Status:* • NEW NOOS matroos at: http://noos.matroos.rws.nl including some extra data like DCSMv6/Zunov4 • Sailing Innovation Centre data of wind added to viewer https://waterberichtgeving.rws.nl/wbviewer/map.php?add_map=1&set=scheveningen *New initiatives:* • EPS and other uncertainty information, delayed.
Relevant national projects	• Working on 'next generation' models (DFLOW-FM) for the DCSM and ZUNO domains with unstructured grids. • Eems Dollard measuring campaign (wind, water level, waves, runup; 10 years, starting in 2018-2019) focusing on model improvements • Test with air temperature measurements by Datawell waverider antenna
Relevant International projects	• Deltares participates in several ongoing EU-projects such as: Jerico, RISES, RISC-KIT, DRIHM and MyWave. • CoDEC for the climate change agenda (Coastal Dataset for Evaluation of Climate impact). It consists on deriving climate impact indicators for the whole Europe (using GTSM) based on future climate change scenario runs, and downscaling for regional showcases. • EMODnet hrsm: Computation of LAT for Europe and other reference planes for conversion of the different bathymetry data sources to a common vertical reference plane, using the Global Tide and Surge Model.
Additional information	• Lot of our and NOOS information can be found on: http://NOOS.Matroos.RWS.nl