

NOOS annual report 2014
Member report – the Netherlands
 August 2014

Country	The Netherlands
Institution	Rijkswaterstaat, Deltares, KNMI
Observations Status and new initiatives	<p><i>Status:</i></p> <ul style="list-style-type: none"> • Total reorganization of measuring network software is in preparation; • Tools for import external measurements based on Fews software, this will be done together with the imports for Matroos and Fews systems, including the governance of daily support and with providing parties; • Current measuring pole installed near Eemshaven. <p><i>New initiatives:</i></p> <ul style="list-style-type: none"> • Plans for HF radar in approach area of Rotterdam Harbour. • 2 current measuring buoys in approach area of Rotterdam Harbour.
Modelling Status and new initiatives	<p><i>Status:</i></p> <ul style="list-style-type: none"> • Extension of Southern North Sea model with Kalman filter, based on 32 locations. • The current operational version of DCSM-version6 will soon replace the distribution of DCSM-version5 of KNMI. • Further calibration of Swan wave models with focus on swell forecast. • At KNMI the same Fews forecasting systems of North Sea, Rivers, Lakes and Fresh Water Distribution (in case of Drought) are displayed in the common RWS client. • Total redesign of hardware systems in new centralized computer center. These contain an Operational suite, a Backup and an Acceptation suite. <p><i>New initiatives:</i></p> <ul style="list-style-type: none"> • Start with a 3D model of Rotterdam Approach and Harbour for navigation and salt intrusion. • Preparation of forcing for maritime models from high-resolution non-hydrostatic meteorological Harmonie model. • Deltares is working on a new global storm-surge model.
Dissemination Status and new initiatives	<p><i>Status:</i></p> <ul style="list-style-type: none"> • Setup of new websites for public (www.rws.nl) and professionals (www.waterberichtgeving.rws.nl); • New visualization based on Dygraph and OpenStreetmaps with very fast special layers (png) and interactive timeseries, see: http://www.waterberichtgeving.rws.nl/leaflet/map.php?set=zeedelta_mmnd&map=zeedelta_mmnd • Distribution through noos.deltares.nl is continued for NOOS members and use on the NOOS website. <p><i>New initiatives:</i></p> <ul style="list-style-type: none"> • Extend visualization tools for more users groups and geographical areas. • Gradual extension of the meteorological data portal (https://data.knmi.nl/portal/KNMI-DataCentre.html) with new data sets.
Relevant national projects	Development of Tidal windows for shipping in Eems-Dollard area; NGHS: development of a new hydrodynamics modeling system that supports unstructured meshes.
Relevant International projects	Deltares participates in several ongoing EU-projects such as: Jerico, RISES, RISC-KIT, DRIHM and MyWave.
Additional information	EMODNET is providing financial support for improvement of the data-exchange in NOOS.