NOOS PROJECT SUMMARY

November 13th 2017

KEYWORDS Water level, data exchange

NOOS Water level data exchange			
Project Aims	To exchange observed and forecasted water level in the NW Shelf Sea in near real-time between NOOS partners, in order to improve each partner's national storm surge and water level prediction service.		
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Present status (Nov. 2017)	**Water level observation exchange** Real-time tide gauge data is exchanged between 8 NOOS partners: DMI, BSH, RWS, MDK, POL, MI, Met.no and SMHI. The data exchange includes 53 coastal and 1 off-shore stations. It is managed thru ftp boxes at each partner. DMI collects and presents at the NOOS web page https://noos.bsh.de/observations/water-level-obs-2/ in near real-time. The page displays a synoptic chart, and time series in graphical and digital format going one week back. **Water level forecast exchange** Each NOOS partner who runs an operational sea level forecast service, and who so may wish, uploads a water level forecast tar ball on a regular		

	basis for other NOOS partners to retrieve thru ftp and use as auxliary information in their national storm surge warning service. The forecasts include surge, sea level, tide, or a combination of these, for a fixed station table. The data is not to be passed on to third party. **Superstructure and quality studies** Deltares has developed an information system Matroos / Ensurf that provides real-time multi-model forecasts. The system adds value to the forecast ensemble by dynamically assigning weights using a Bayesian moving average method. This is interfaced with Google maps, and may be accessed thru the NOOS web page https://noos.eurogoos.eu/model-results/water-level-fc/
Project timescale *Eg ongoing* */ to complete in* *2017*	2017 - include observations from France - fix issue with british data. - update station table
Planned Developments	none
Link to project documents (password protected URL ??)	