

NOOS PROJECT SUMMARY

Date of revision

KEYWORDS Water level, data exchange

<i>NOOS Water level data exchange</i>	
Project Aims	To exchange both observing and forecasting water level in the NW Shelf Sea in near real-time between NOOS partners
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Present status (2005-10-11)	<p>Exchange of water level observations</p> <p>Currently, near real-time (1h time interval) water level observations are exchanged between NOOS partners DMI, BSH, RWS, AWZ, POL, Met.no and SMHI by using ftpboxes. In total data from 43 tidal gauge stations along the NW shelf sea coast are exchanged. The results are presented in the NOOS website http://www.noos.cc in near real-time, which include a 2D hourly updated snapshot, daily time series and corresponding digital data.</p> <p>Exchange of water level forecasts</p> <ul style="list-style-type: none"> • Water level forecasting data at selected stations are exchanged twice daily between NOOS partners DMI, BSH, KNMI, RIKZ, MUMM, Met.O and Met.no by using ftpboxes. • The exchanged forecasts have been used in operational storm surge forecast in some operational agencies, e.g., DMI, MUMM, AWZ, BSH and Met.no. • A model inter-comparison study has been done by RIKZ (Martin Verlaan) based on the exchanged forecasting data. The results were presented in the EGU Conference in 2004. • An information system has been developed to demonstrate the near real-time multi-model forecast analysis by RIKZ (Martin Verlaan), which gives a lot flexibilities in using the exchanged multi-model forecasts in operational prediction. A demo system is shown in http://demo.xi-alles.nl/svsd .

<p>Project timescale <i>Eg ongoing</i> <i>/ to complete in 2008</i></p>	<p>Year 2005:</p> <ul style="list-style-type: none"> • a full map of North Sea water level observations (DMI) • solving technical issues in the web presentation (DMI) • including new participants (e.g., IMI in water level observation exchange, SMHI in forecast exchange) <p>Year 2006:</p> <ul style="list-style-type: none"> • exchange more observation data • including the multi-model forecast presentation system in NOOS, both fields and time series (RIKZ, DMI) • making exchanged water level data available to all partners through a central server (DMI) • Continuing existing water level data exchange activity (All) <p>Year 2007:</p> <ul style="list-style-type: none"> • Extended range of water level forecast (5days) • Multi-model ensemble forecast • Continuing existing water level data exchange activity
<p>Planned Developments</p>	<ul style="list-style-type: none"> • Water level data dissemination • NOOS multi-model forecast presentation system • Inter-comparison and validation of surge models • Optimisation of surge models
<p>Link to project documents (password protected URL ??)</p>	