

**NOOS PROJECT SUMMARY: Exchange of wave data and forecasts**

Date of revision: 15 October 2018

KEYWORDS: ocean modeling, waves, observations

<b>Exchange of wave data and forecasts</b>	
Project Aims/ Terms of reference	<p>Within NOOS, Deltares is responsible for the exchange of wave data. The data of various wave measurements is available via the NOOS-website (<a href="http://noos.eurogoos.eu">http://noos.eurogoos.eu</a>). Since 2017, also wave forecasts are available via this website. The data flow must be kept up to date and if possible additional locations and model sources must be included.</p> <p>The aim is to make the wave observation data and forecasts available for all NOOS-partners, as part of the NOOS vision.</p>
Lead agency Lead scientist	<p>Deltares Caroline Gautier (<a href="mailto:caroline.gautier@deltares.nl">caroline.gautier@deltares.nl</a>)</p>
Participants	<ul style="list-style-type: none"> <li>• RWS, Marc Philippart</li> <li>• DMI, Jacob Woge Nielsen</li> <li>• FCOO, Carsten Hansen</li> <li>• RBINS, Sebastien Legrand</li> <li>• UKMO, Andrew Saulter</li> <li>• BSH, Thorger Brüning, Susanne Tamm</li> </ul>
Activities in 2017-2018	<p>In 2017/2018, the wave forecasts have been added for some 13 locations and three model sources</p>
Planned Activities for 2018-2019	<ul style="list-style-type: none"> <li>• Include BSH and UKMO forecasts</li> <li>• Include SWAN-DCSM (not only SWAN-ZUNO; the nested RWS model)</li> <li>• Check and improve availability of locations and model sources</li> <li>• Extend number of locations</li> <li>• Check wave frequency domain</li> <li>• Find user friendly way to not only share the plots with model forecasts but also the files with the numeric values</li> <li>• Find co-operation with working group 'validation'</li> <li>• In future (beyond 2019?), a BMA (Bayesian Model Averaging) may be applied to make a weighted overall 'best' forecast.</li> </ul>
Link to project documents	<p><a href="https://noos.bsh.de/download/internal_documents/NOOS-waveforecastexchange_instructions26Sep2017.pdf">https://noos.bsh.de/download/internal_documents/NOOS-waveforecastexchange_instructions26Sep2017.pdf</a></p>