

NOOS PROJECT SUMMARY

For review at steering group and annual meetings

Date of revision: Aug 2012

KEYWORDS: ocean modelling, boundaries, downscaling, bathymetry

<i>NOOS working group on ocean modelling</i>	
Project aims at	<p>A1. To understand user requirement for boundary conditions from shelf wide models to drive local high resolution models.</p> <p>A2. Facilitating the exchange of information on ocean modelling practices.</p> <p>A3. Evaluate presently available bathymetries</p> <p>A4. Create an updated NOOS bathymetry</p>
Lead agency Lead scientist	UK Met Office John Siddorn – john.siddorn@metoffice.gov.uk
Participant list	<ul style="list-style-type: none"> • John Siddorn, Enda O’Dea (Met Office) • Bruce Hackett (met.no), • Stephan Dick/Frank Janssen (BSH) • Sebastien Legrand (MUMM) • ? (IMI) • Linda de Vries (SMHI)
Present status <i>Ongoing</i>	The focus on boundary conditions has lead to a survey of NOOS members being completed and a synthesis of the results have been provided. Bathymetry datasets have been looked at and work is underway to generate an improved NOOS bathymetry.
Project timescale	On-going
Planned Developments	A new NOOS bathymetry
Activities in 2012-	<p>Activities related to A1:</p> <ul style="list-style-type: none"> - Assess practicalities of delivering data as requested, and provide a proposal for future model delivery for discussion. <p>Activities related to A2:</p> <ul style="list-style-type: none"> - a proposal for multi-model activities has been put forward by Frank Janssen (BSH). This plan will form the basis for the NOOS work - Use multiple model information for evaluation of variability and skill with a view to moving closer to ensembles <p>Activities related to A3:</p> <ul style="list-style-type: none"> - Presently available bathymetries are being collated and assessed for usability - A request for bathymetric source data and inputs to the discussion on the relative merits of bathymetries will be made at the NOOS 2012 AM. <p>Activities related to A4:</p> <ul style="list-style-type: none"> - Enda O’Dea will prepare a bathymetry based on best available gridded information, supplemented by local information as available. - This will be tested as a bathymetry for the NWS AMM7 model and assessed for its suitability.
Link to project documents	<p>http://www.noos.cc/fileadmin/user_upload/Reports/....</p> <p>NOOS_WG_Bathymetry_FactSheet_2011.pdf</p> <p>bathymetry_poster.pdf</p> <p>MUMM_memo_bathy_20110520.pdf</p> <p>NOOS_WG_Modelling_FactSheet_2011.pdf</p> <p>survey.pdf</p> <p>NOOS_lbc_requirements.pdf</p>

