

NOOS PROJECT SUMMARY

For review at steering group and annual meetings

Date of revision: Dec 2011

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	UK Met Office
Lead scientist	John Siddorn – john.siddorn@metoffice.gov.uk
Participant list	<ul style="list-style-type: none"> • John Siddorn, Enda O’Dea, Alistair Sellar, Alex Arnold (Met Office) • Bruce Hackett (met.no), • Stephan Dick/Frank Janssen (BSH) • Sebastien Legrand (MUMM) • Sheena Fennell (IMI) • Linda de Vries (SMHI)
Present status <i>Ongoing</i>	A new lead scientist has been appointed at the NOOS steering committee meeting 2011 with the mission to re-energize the project, and to focus particularly on NOOS requirements for boundary conditions.
Project timescale	To be defined
Planned Developments	A new NOOS bathymetry
Activities in 2011-	<p>Activities related to A1:</p> <ul style="list-style-type: none"> - Ask for volunteers to engage in activity at 2011 Annual meeting - Design questionnaire on BC requirements for circulation to interested parties - 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"> - Bring together available models for intercomparison and joint discussion on how to go forward (IMI, BSH, met.no, Met Office + others?) - 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"> - A memo circulated by Sebastien Legrand details some previous work evaluating available bathymetries. This will act as the starting point to deciding which bathymetries will be used. - Enda O’Dea has also prepared some discussion on available bathymetries, and will extend the document. - A request for bathymetric source data and inputs to the discussion on the relative merits of bathymetries will be made at the NOOS 2011 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	