

**NOOS PROJECT SUMMARY: NOOS working group on drift (NWGD)**

Date of revision: September 2013

**KEYWORDS:** drift, oil characteristics, search and rescue, modelling practices, data exchange

<i>Project title:</i> <b>NOOS working group on drift (NWGD)</b>	
Project Aims/ Terms of reference	<p>NWGD is a focal point centralising every possible collaborations that could improve (oil) drift model forecast accuracy :</p> <ul style="list-style-type: none"> <li>➤ Exchanging information and data</li> <li>➤ Identifying new challenges</li> <li>➤ Sharing best operational practices</li> <li>➤ Organising common validation exercises, model to model comparisons and post-crisis assessments</li> <li>➤ Towards an improved interoperability of the different modelling systems</li> </ul>
Lead agency Lead scientist	<p>Royal Belgian Institute of Natural Sciences Operational Directorate Natural Environment Sébastien Legrand - <a href="mailto:s.legrand@mumm.ac.be">s.legrand@mumm.ac.be</a></p>
Participants	<ul style="list-style-type: none"> <li>• RBINS/O.D. Nature : S. Legrand, V. Duliere and J. Ozer</li> <li>• Met.no : G. Brostrøm, L.R. Hole, A. Carrasco, Cecilie Wettre and B. Hackett</li> <li>• BSH : S. Massmann, F. Janssen and S. Dick</li> <li>• FCOO: J. Mattsson</li> <li>• Deltares : K. van Ruiten</li> <li>• CEFAS : Jon Rees</li> <li>• Meteo France : Pierre Daniel</li> <li>• MI : Alan Berry (MI)</li> <li>• RWS : J.R. Hendriks (RWS)</li> </ul> <p>At the total, 11 different drift models are used within the working group.</p> <p>Seven of them are “in-house” models:</p> <ul style="list-style-type: none"> <li>• <b>OD3D</b> (met.no),</li> <li>• <b>SeaTrackWeb</b> (SMHI, FCOO, BSH),</li> <li>• <b>BSHdmod.L</b> (BSH),</li> <li>• <b>Float</b> (RBINS-MUMM),</li> <li>• <b>OSERIT</b> (RBINS-MUMM),</li> <li>• <b>CEFAS SPILL</b> (CEFAS),</li> <li>• <b>OILTRANS</b> (MI) and</li> <li>• <b>MOTHY</b> (Meteo-France)).</li> </ul> <p>The other ones are commercial solutions:</p> <ul style="list-style-type: none"> <li>• <b>OSCAR</b> (used by met.no and CEFAS),</li> <li>• <b>OILMAP</b> (RWS, Deltares and CEFAS) and</li> <li>• <b>CHEMMAP</b> (RWS, Deltares).</li> </ul>
Activities in 2012-2013	<p><b>First WG meeting on 21-22/01/2013 at RBINS-MUMM premises:</b></p> <ul style="list-style-type: none"> <li>• Presentation of the recent development of each modeling system</li> <li>• Production of a road map and a contact list</li> </ul> <p><b>In-situ campaign</b></p> <ul style="list-style-type: none"> <li>• Cancelled because of some unexpected administrative difficulties.</li> </ul> <p><b>Model to model validation</b></p>

	<ul style="list-style-type: none"> <li>• Validation experience against the track of a drifting CEFAS buoy</li> </ul> <p><b>Outreach</b></p> <ul style="list-style-type: none"> <li>• CEDRE information Day 2013, Paris, France, on 27th of March 2013.</li> <li>• NOOS SG meeting, at Cork, Ireland, on the 17th of April 2013.</li> <li>• OTSOPA meeting 2013 (Bonn Agreement), Cherbourg, France, 22-24 May 2013</li> <li>• Workshop on deep-water oil spill modeling, Aberdeen, Scotland, on 18-19 September 2013</li> <li>• A Poster on validation will be presented at Futoore 2013, Hamburg, Germany, 8-10 October 2013</li> </ul>
Planned Activities for 2013-2014	<ul style="list-style-type: none"> <li>• Discussions around scientific topics identified in the road map</li> <li>• Hopefully, a first drifter dropping in North Sea if a solution is found to the administrative issues.</li> </ul>
Link to project documents	<ul style="list-style-type: none"> <li>• NOOS web site : <a href="http://noos.cc/index.php?id=161">http://noos.cc/index.php?id=161</a></li> <li>• <a href="https://wiki.met.no/noos/start">https://wiki.met.no/noos/start</a> (Password may be requested by sending an email to <a href="mailto:s.legrand@mumm.ac.be">s.legrand@mumm.ac.be</a> )</li> </ul>