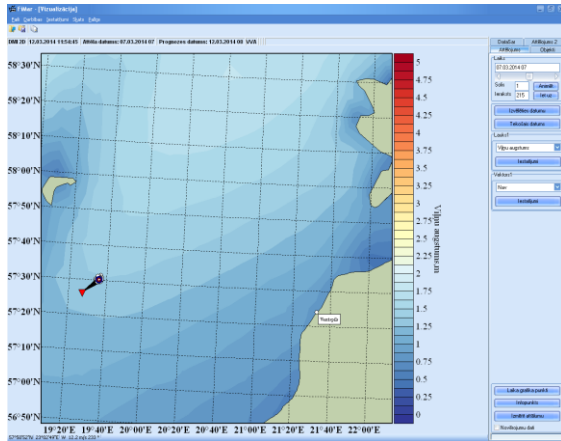


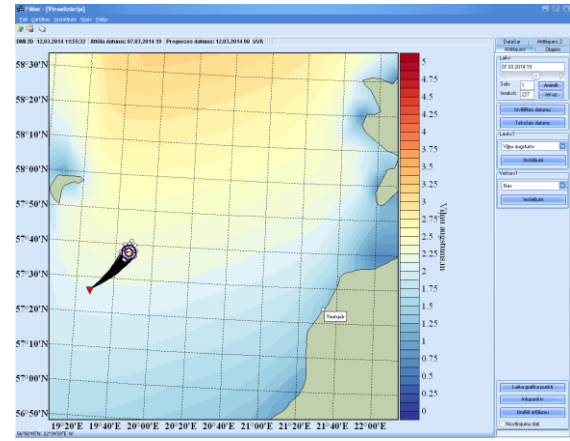
## BOOS Annual Meeting 2014

### Member report

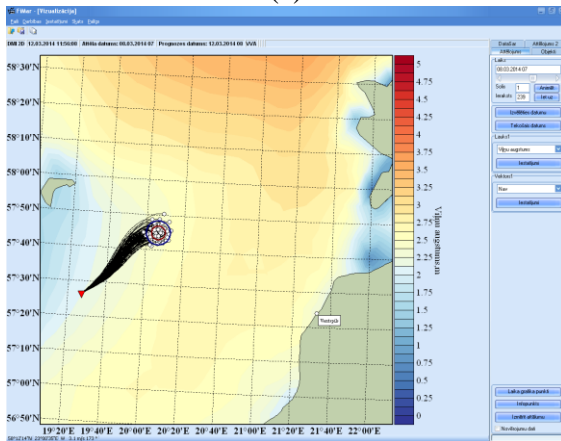
<b>Country</b>	Latvia
<b>Institution(s)</b>	University of Latvia
<b>Observations Status and new initiatives</b>	No new initiatives
<b>Modelling Status and new initiatives</b>	Status – subregional OO model for waters of Latvian jurisdiction – operational duty for Latvian Navy
<b>Dissemination Status and new initiatives</b>	FIMAR OO system running <ul style="list-style-type: none"><li>• 2 seminars held for the end users in Latvian Navy (Riga and Liepaja, summer/autumn 2013)</li><li>• Developed new features:<ol style="list-style-type: none"><li>1) The tool for planning the rescue operations in sea in case of accidents of drifting objects (operational since autumn 2013, <b>Figure 1</b>)</li><li>2) Updated design of the FIMAR</li></ol></li></ul>
<b>Relevant national projects</b>	EFRD/LV funded research project on development of post processing methodology of atmospheric model forecasts (01.2014-08.2015) Development of methodology for operational indicator forecasts are planned in the project ( <b>Figure 2</b> )
<b>Relevant International projects</b>	<ul style="list-style-type: none"><li>• MyOcean2</li><li>• University of Latvia has filled the submission for joining HIROMB</li></ul>
<b>Additional information</b>	Latvian Government has included priority "Modeling of wind and marine currents" in the national research programme "Climate and environment" for 2014-2017. UL is a member of consortia competing for this programme and decision on tender outcome is expected in September



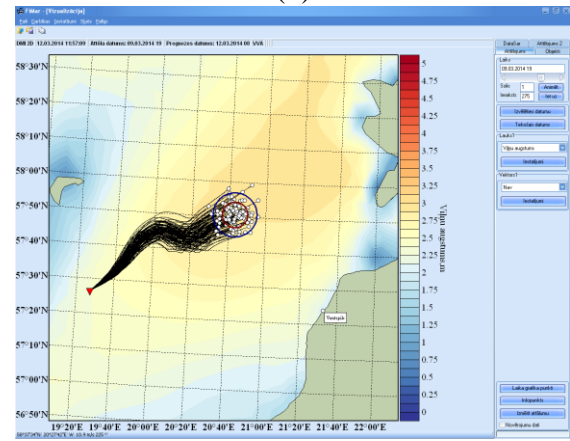
(a)



(b)

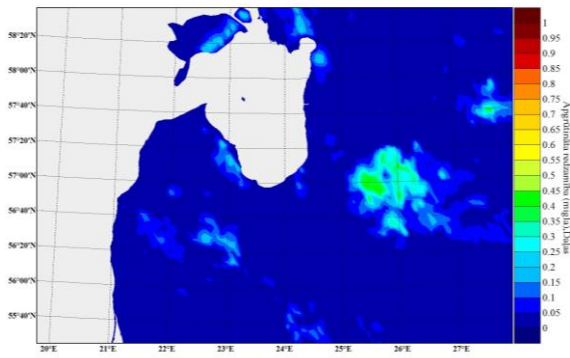


(c)

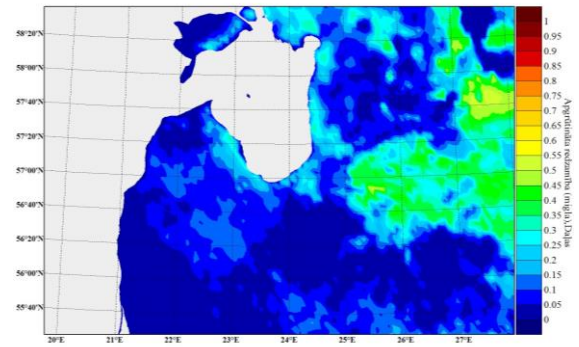


(d)

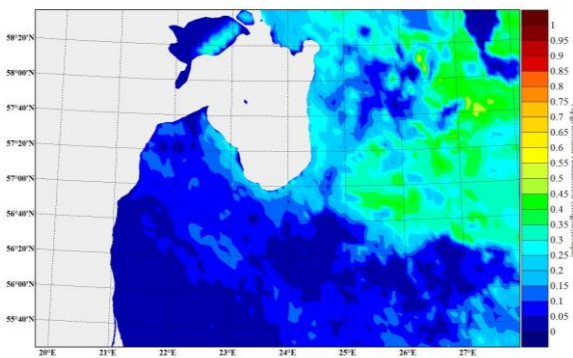
**Figure 1:** Example of the results of the tool that calculates the most probable location of drifting object and it changes in time according to given uncertainty conditions. Black lines - potential trajectories of the drifting raft (0 - 72 h) according to FIMAR 2D. Solid fill - wave height in the sea. Circles with 50% and 90 % probability of drifting object location.



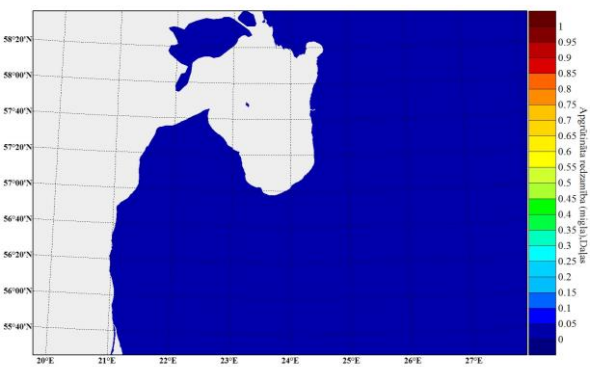
(a) at 00 local time



(b) at 03 local time



(c) at 06 local time



(d) at 10 local time

**Figure 2:** Example of the model results of the calculated indicator „limitations in visibility” (blue – undisturbed visibility, red – considerably limited visibility) according FIMAR archive data for 12 th September 2013.