



## Final project workshop

**Date:** 24<sup>th</sup> of February 2016

**Time:** From 10:00 to 17:00

**Location:** Joint Research Centre of the European Commission  
Via Enrico Fermi 2749,  
21027 Ispra (VA), Italy

<p><b>Toward more secure and trustable Ship Reporting Systems</b></p> <p>The first part of the workshop is dedicated to a discussion around maritime security and the need for new solutions against emerging cyber threats. The workshop will start with a panel of distinguished experts, who will present their view on current requirements, vulnerabilities and emerging trends.</p>	
	<p><b>Participants arrival and reception</b></p>
10.00	<p><b>Introduction to the workshop and presentation of the agenda</b></p> <p><i>Dr. Bruno Chenard – TRITON project officer, Dr. Marco Pini – TRITON project coordinator</i></p>
10.25	<p><b>PANEL: The need of robust and secure systems in marine applications</b></p> <p>Moderator: <i>Prof. Fabio DAVIS – Politecnico di Torino, Editor of “GNSS Interference Threats and Countermeasures”, Artech House, 2015</i></p> <ul style="list-style-type: none"> <li>– (10.25) The supporting role of JRC in security-related research: example of the TRITON Project <i>Dr. Joaquim Fortuny – Security Technologies Assessment Unit, Institute for the Protection and Security of the Citizen, European Commission – JRC</i></li> <li>– (10.50) Handling invisible threats - maritime cyber security, a point of view by Federal Police Germany <i>Bernd Kunkel – Senior Chief Inspector of the Federal Police Maritime Department, Maritime Operations</i></li> <li>– (11.15) Coffee break</li> <li>– (11.30) Enhancing situational awareness in the Baltic sea maritime domain <i>Prof. Heidi Kuusniemi – Head of Navigation and Positioning Department at the Finnish Geospatial Research Institute (FGI)</i></li> <li>– (11.55) Monitoring system managed by the Italian Coast Guard: Detecting position reporting anomalies caused by AIS transponder failures or by deliberately falsified broadcast dynamic information <i>Adm. Piero Pellizzari – Admiral of the Italian Coast Guard</i></li> <li>– (12.20) Questions and open discussions with experts</li> </ul>
13.00	<p><b>Quick visit to JRC labs and lunch break</b></p>
<p><b>The results of TRITON</b></p> <p>The second part of the workshop is completely dedicated to the TRITON project. Project partners will present the most important results and the lesson learnt, providing some recommendations from a technical and regulation perspectives.</p>	
14.30	<p><b>A flavour of TRITON... live demonstration of the developed prototypes</b></p> <p>Presentation of the technological solution proposed by TRITON: the ROSE prototype</p> <ul style="list-style-type: none"> <li>– <i>Dr. Marco Pini and project key persons</i></li> </ul>
15.00	<p><b>Consortium Presentation</b></p> <ul style="list-style-type: none"> <li>– Presentation of the TRITON partners</li> </ul>

	<ul style="list-style-type: none"> <li>- (15.00) Current ship reporting systems: status and vulnerabilities <i>Kongsberg Norcontrol</i></li> <li>- (15.10) From user needs to new solutions, the TRITON methodology <i>ACORDE Technologies</i></li> <li>- (15.30) Development of the Trusted GNSS Module (TGM) <i>7iG</i></li> <li>- (15.45) Development of the Robust Communication Module (RCM) <i>ISMB</i></li> <li>- (16.00) Key business insights on TRITON project <i>ALPHA</i></li> <li>- (16.15) The results of the analysis under a regulatory perspective <i>G&amp;P</i></li> </ul>
<b>16:30</b>	<p><b>Conclusions and workshop wrap up</b></p> <ul style="list-style-type: none"> <li>- (16.30) The lesson learnt in TRITON <i>Dr. Marco Pini – Project Coordinator (ISMB)</i> <i>Adm. Federico Sandrucci – Former Admiral of the Italian navy, member of the TRITON Steering Committee</i></li> <li>- (16.45) TRITON results as inputs to solve new European challenges <i>Dr. Bruno Chenard - Project Officer - DG Migration and Home Affairs</i></li> </ul>
<b>17:00</b>	<b>End of Workshop</b>