Open Cooperation for European mAritime awareNess (OCEAN2020)

Under the Preparatory Action on Defence Research (PADR), a grant agreement was concluded for the Research Action call on Unmanned Systems, focusing on the topic of Technological demonstrator for enhanced situational awareness in a naval environment. The awarded project, called OCEAN2020, was signed on 28 March 2018. Led by Leonardo S.p.A. (IT), its consortium encompassed 42 other participants from 15 Member State countries and one international organization. OCEAN2020 was the biggest PADR project and received an EU grant of roughly €35 million.

PADR Call 2017-US – Information on the awarded project

<table>
<thead>
<tr>
<th>Name of the project</th>
<th>Open Cooperation for European mAritime awareNess</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short name</td>
<td>OCEAN2020</td>
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</table>

Summary of the project

Ocean2020 supported maritime surveillance and interdiction missions at sea and to that end enhanced air, naval surface and underwater unmanned systems and integrated them into fleet operations. The results acquired were combined with the whole set of naval information obtained by existing systems. They were used to build up a Recognized Maritime Picture of developing situations for military commanders.

OCEAN2020’s main objective was indeed to develop integrated system concepts that had culminated in 2 large-scale technology demonstrations for enhanced situational awareness in a maritime environment.

The demonstrations in the Mediterranean and Baltic seas showed that innovative solutions for fusion of multiple data sources could be integrated with Combat Management Systems (CMSs) into a secure network to create a Recognized Maritime Picture. It also showed that collaborative autonomy between multi-domain unmanned vehicles could provide a force multiplier.

This provided End Users with the advantage of interoperability for joint missions and at the same time offered industry an opportunity to build Command and Control (C2) modules in a multi-company environment.

The OCEAN2020 Consortium has demonstrated the integration of different EU systems as well as integrating the individual organisations into a coherent team.

<table>
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<tr>
<th>Project duration</th>
<th>43 months</th>
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<tr>
<td>Starting date</td>
<td>1 April 2018</td>
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<tr>
<td>Maximum EU Contribution obtained</td>
<td>€ 35.480.000,00</td>
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List of participants

<table>
<thead>
<tr>
<th>#</th>
<th>Name of the entity</th>
<th>Country</th>
<th>EU Contribution obtained by the entity</th>
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This project has received funding from the European Union’s Preparatory Action for Defence Research - PADR programme under grant agreement No 801697 [OCEAN2020]

<table>
<thead>
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