



This project has received funding from the European Union's Preparatory Action for Defence Research - PADR programme under grant agreement No 801697 [OCEAN2020]



## 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			
<b>Name of the project</b>		Open Cooperation for European mAritime awareNess	
<b>Short name</b>		OCEAN2020	
<b>Summary of the project</b>			
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The OCEAN2020 Consortium has demonstrated the integration of different EU systems as well as integrating the individual organisations into a coherent team.</p>			
<b>Project duration</b>		43 months	
<b>Starting date</b>		1 April 2018	
<b>Maximum EU Contribution obtained</b>		€ 35.480.000,00	
<b>List of participants</b>			
#	Name of the entity	Country	EU Contribution obtained by the entity



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1	LEONARDO - SOCIETA PER AZIONI	Italy	€ 5.805.340
2	NATO SCIENCE AND TECHNOLOGY ORGANISATION	International	€ 1.484.000
3	INDRA SISTEMAS SA	Spain	€ 3.022.000
4	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany	€ 2.676.000
5	SAAB AKTIEBOLAG	Sweden	€ 3.758.000
6	OSRODEK BADAWCZO-ROZWOJOWY CENTRUM TECHNIKI MORSKIEJ SPOLKA AKCYJNA	Poland	€ 808.000
7	SAFRAN ELECTRONICS & DEFENSE	France	€ 2.673.000
8	INTRACOM SA DEFENSE ELECTRONIC SYSTEMS	Greece	€ 1.176.000
9	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	Netherlands	€ 1.787.000
10	QINETIQ LIMITED	United Kingdom	€ 1.118.400
11	BALTIJOS PAZANGIU TECHNOLOGIJU INSTITUTAS	Lithuania	€ 608.000
12	GMV IS SKYSOFT SA	Portugal	€ 428.000
13	MBDA DEUTSCHLAND GMBH	Germany	€ 1.190.757
14	I.D.S. - INGEGNERIA DEI SISTEMI - S.P.A.	Italy	€ 575.950
15	GMV AEROSPACE AND DEFENCE SA	Spain	€ 529.000
16	TERMA A/S	Denmark	€ 259.000
17	ECA ROBOTICS	France	€ 1.320.000
18	FINCANTIERI SPA	Italy	€ 224.795
19	E-GEOS SPA	Italy	€ 760.000
20	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	Finland	€ 446.465
21	CYBERNETICA AS	Estonia	€ 400.000
22	UMS SKELDAR	Sweden	€ 283.940
23	SEADRONE	Spain	€ 225.000
24	AUTONAUT LTD	United Kingdom	€ 261.000
25	BLUE BEAR SYSTEMS RESEARCH LIMITED	United Kingdom	€ 307.000



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26	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	Italy	€ 100.000
27	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	Greece	€ 256.000
28	PROLEXIA	France	€ 306.000
29	SCHONHOFER SALES AND ENGINEERING GMBH	Germany	€ 149.867
30	ANTYCIP SIMULATION SAS	France	€ 290.968
31	INFINITE VISION GMBH & CO. KG	Germany	€ 80.000
32	INSIS SpA	Italy	€ 330.000
33	ALTUS LSA COMMERCIAL AND MANUFACTURING SA	Greece	€ 239.650
34	LUCIAD NV	Belgium	€ 210.000
35	ISTITUTO AFFARI INTERNAZIONALI	Italy	€ 69.877
36	HENSOLDT SENSORS GMBH	Germany	€ 450.000
37	BLACKSHAPE SPA	Italy	€ 125.000
38	MINISTERO DELLA DIFESA	Italy	€ 214.000
39	LITHUANIAN ARMED FORCES	Lithuania	€ 95.180
40	MINISTRY OF NATIONAL DEFENCE, GREECE	Greece	€ 192.462
41	MINISTERIO DA DEFESA NACIONAL	Portugal	€ 100.000
42	MINISTERIO DE DEFENSA DE ESPAÑA	Spain	€ 94.349
43	BUNDESMINISTERIUM DER VERTEIDIGUNG	Germany	€ 50.000

Web page: <http://ocean2020.eu>

Twitter: @EU\_OCEAN2020