



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 encompasses 40 other participants from 15 Member State countries and one international organization. OCEAN2020, which has a duration of 36 months, is the biggest PADR project and will receive an EU grant of roughly €35 million.

PADR Call 2017-US – Information on the awarded project		
Name of the project	Open Cooperation for European mAritime awareNess	
Short name	OCEAN2020	
Summary of the project		
<p>Ocean2020 supports maritime surveillance and interdiction missions at sea and to that end will enhance air, naval surface and underwater unmanned systems and integrate them into fleet operations. The information acquired will be combined with the whole set of naval info obtained by existing systems to build up a Recognise Maritime Picture of developing situations for military commanders.</p> <p>OCEAN2020's main objective is indeed to develop integrated system concepts that culminate in large-scale technology demonstrations for enhanced situational awareness in a maritime environment.</p> <p>The planned demonstrations in the Mediterranean and Baltic seas will show how innovative solutions for fusion of multiple data sources can be integrated with Combat Management Systems (CMSs) into a secure network to create a Recognized Maritime Picture. It will also show how collaborative autonomy between multi-domain unmanned vehicles can provide a force multiplier.</p> <p>This will provide End Users with the advantage of interoperability for joint missions and at the same time offer industry an opportunity to build Command and Control (C2) modules in a multi-company environment.</p> <p>To be successful in reaching these goals, the OCEAN2020 Consortium will solve the problems of integrating EU systems as well as integrating the individual organisations into a coherent team.</p>		
Project duration	36 months	
Starting date	1 April 2018	
Total EU Contribution requested	€ 35.480.000,00	
List of participants		
#	Name of the entity	Country
1	LEONARDO - SOCIETA PER AZIONI	Italy
2	NATO SCIENCE AND TECHNOLOGY ORGANISATION	International
3	INDRA SISTEMAS SA	Spain



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



4	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
5	SAAB AKTIEBOLAG	Sweden
6	OSRODEK BADAWCZO-ROZWOJOWY CENTRUM TECHNIKI MORSKIEJ SPOLKA AKCYJNA	Poland
7	SAFRAN ELECTRONICS & DEFENSE	France
8	INTRACOM SA DEFENSE ELECTRONIC SYSTEMS	Greece
9	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	Netherlands
10	QINETIQ LIMITED	United Kingdom
11	BALTIJOS PAZANGIU TECHNOLOGIJU INSTITUTAS	Lithuania
12	GMV IS SKYSOFT SA	Portugal
13	MBDA DEUTSCHLAND GMBH	Germany
14	I.D.S. - INGEGNERIA DEI SISTEMI - S.P.A.	Italy
15	GMV AEROSPACE AND DEFENCE SA	Spain
16	TERMA A/S	Denmark
17	ECA ROBOTICS	France
18	FINCANTIERI SPA	Italy
19	E-GEOS SPA	Italy
20	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	Finland
21	CYBERNETICA AS	Estonia
22	UMS SKELDAR	Sweden
23	SEADRONE	Spain
24	AUTONAUT LTD	United Kingdom
25	BLUE BEAR SYSTEMS RESEARCH LIMITED	United Kingdom
26	CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	Italy
27	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	Greece
28	PROLEXIA	France
29	SCHONHOFER SALES AND ENGINEERING GMBH	Germany
30	ANTYCIP SIMULATION SAS	France
31	INFINITE VISION GMBH & CO. KG	Germany
32	INSIS SpA	Italy
33	ALTUS LSA COMMERCIAL AND MANUFACTURING SA	Greece
34	LUCIAD NV	Belgium



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35	ISTITUTO AFFARI INTERNAZIONALI	Italy
36	HENSOLDT SENSORS GMBH	Germany
37	BLACKSHAPE SPA	Italy
38	MINISTERO DELLA DIFESA	Italy
39	LITHUANIAN ARMED FORCES	Lithuania
40	MINISTRY OF NATIONAL DEFENCE, GREECE	Greece
41	MINISTERIO DA DEFESA NACIONAL	Portugal
42	MINISTERIO DE DEFENSA DE ESPAÑA	Spain