



Newsletter #3

FEBRUARY 2017

**RANGER**

**RA**dars for lo**NG** distance maritime surveillance**E**  
and Search and Rescue ope**R**ations

[www.ranger-project.eu](http://www.ranger-project.eu)

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## For more Information

Please visit the RANGER website  
@ [www.ranger-project.eu](http://www.ranger-project.eu)

You can also keep up with more  
of what is happening at RANGER  
project by following us on:

**Twitter:**  
@ H2020Ranger

**LinkedIn:**  
[https://www.linkedin.com/  
groups/12014068](https://www.linkedin.com/groups/12014068)

Dear readers,

We are pleased to present the third edition of the RANGER newsletter.

RANGER is a 42-month European project, co-funded by the European Union's Horizon 2020 research and innovation programme. The consortium comprises 10 partners from 7 countries, in a balanced blend of technology providers, domain experts, and end-users, namely Radar-technology industrial organizations, academic/research institutes, high-tech SMEs, and highly relevant end-user organizations.

RANGER combines innovative Radar technologies with novel technological solutions for early warning, in view of delivering a surveillance platform offering detection, recognition, identification and tracking of vessels, beyond current radar systems' capabilities, thus drastically improving the response and intervention capacity of European Search and Rescue operations.

In this issue we will inform you about the Site Survey in Crete, in preparation of the RANGER validation pilots, and about our participation and project presentation at the European Coast Guard Functions Forum.

Enjoy reading and don't forget to visit our [website](#) for more information!

The Project Coordinator



# Project News & Meetings



## RANGER @ ECGFF Workshop, Warsaw

RANGER was presented at the Workshop on Coast Guard Functions: Border Control & Illegal Migration organized by the [European Coast Guard Functions Forum \(ECGFF\)](#) with the support of the FRONTEX, on 16 February 2017, in Warsaw. More specifically, partner organization ICCS presented RANGER project and discussed about the use of long- range radars in support of border control, during the third panel, Information Systems for coast guard functions: Border Control.

The workshop was attended by representatives of European organizations such as Frontex and port authorities, engaged in addressing issues such as illegal migration, increased refugee flows entering Europe and coordination of Member States to better address critical issues.



## RANGER Site Survey in Crete, Greece



In preparation of the RANGER validation pilot in Greece, a site survey and technical meeting took place on 21-23 February 2017, in Crete, Greece. During the site survey, the candidate areas were examined in terms of access, space, installation pre-requisites and limitations so as to assess the different options and identify the optimum locations for the deployment of the Over-The-Horizon (OTH) and Photonic Enhanced (PE) - MIMO Radars. The project team conducted among others ground conductivity, accurate GPS coordinates and background noise measurements on various candidate locations. During the third day, the findings of the site survey and various technical aspects regarding the system architecture and integration were discussed, while organizational issues to allow the smooth preparation of the two RANGER validation pilots were identified and discussed.



## Related Conferences & Events



IEEE Radio Frequency Integrated Circuits Symposium,  
4-6 June 2017, Honolulu, Hawaii

<http://rfic-ieee.org/>



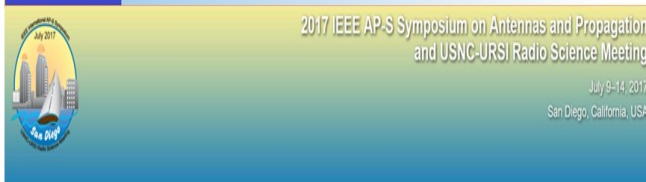
International Microwave Symposium (IMS), 4 – 9 June 2017,  
Honolulu, Hawaii

<http://ims2017.org/>



International Radar Symposium (IRS), 28-30 June 2017,  
Prague, Czech Republic

<http://www.dgon-irs.org>



2017 IEEE International Symposium on Antennas and Propagation & USNC-URSI Radio Science Meeting, 9-15 Jul 2017,  
San Diego, CA, USA

<http://2017apsursi.org/>



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## THE CONSORTIUM



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