## OPEN CALLS:

### Expected third parties

- UxV manufacturers
- Testbed operators
- Experimenters

### Third parties funding

- 3.4 M €
- Estimation for 23 third parties in total

### Important Dates

#### 1st Open Call: December 2015

- Submission deadline: February 2016
- Notification for successful proposals: May 2016

#### 2nd Open Call: December 2016

- Submission deadline: February 2017
- Notification for successful proposals: May 2017

### PARTNERS

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Εθνικόν και Καποδιστριακόν Πανεπιστήμιον Αθηνών

EAB
HELLENIC AEROSPACE INDUSTRY S.A.

IES Solutions

avionTek
the safe guidance

Fraunhofer

csem

Hes·so

OceanScan
Marine Systems & Technology

POLE PEGASE

Epsilon Bulgaria

CERTH
THE CENTER FOR RESEARCH & TECHNOLOGY HELLAS

Robotnik

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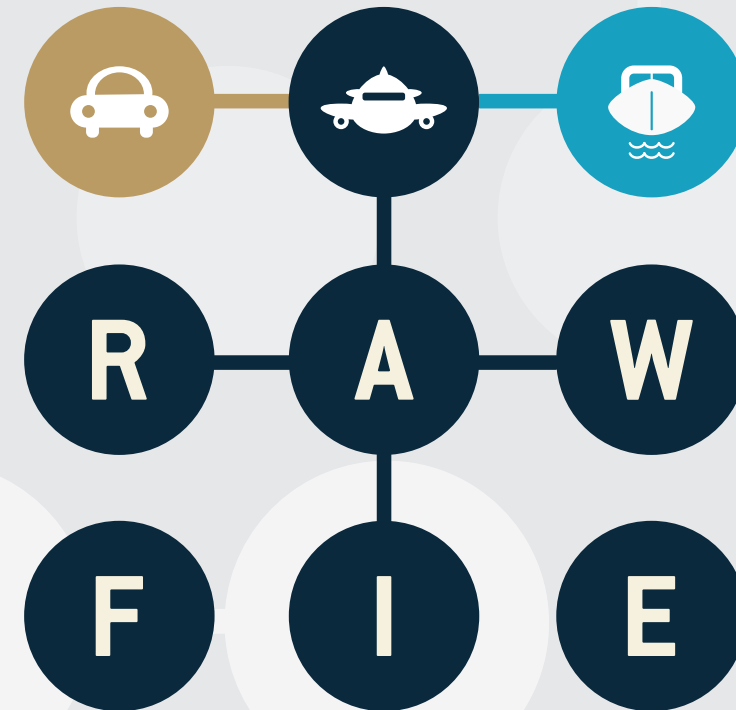
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FIRE

## European Commission

# R A W
# F I E

## ROAD, AIR & WATER BASED
## FUTURE INTERNET EXPERIMENTATION

## ABOUT RAWFIE

RAWFIE is a project funded by the European Commission
(Horizon H2020 programme) under the FIRE+ initiative that aims
to provide research and experimentation facilities for mobile IoT devices.
The project introduces a unique, mixed experimentation platform across
the space and technology dimensions by integrating numerous testbeds
for experimenting in vehicular, aerial and maritime environments.
RAWFIE will be a great opportunity for experimenters to remotely
perform experiments on different robotic devices
(i.e., UAV, UGV, and USV) for assessing the performance in networking,
sensing and mobile/autonomic application domains.

## MAIN OBJECTIVES

- Create a federation of UxV testbeds
- Provide smart tools for conducting large-scale experiments on IoT paradigm
- Integrate cloud services and networking facilities
- Promote the Experimentation-as-a-Service (EaaS)
- Support the entire experiment lifecycle with fully controllable conditions
- Assess the performance of different technologies in networking, sensing and autonomic application domains

## INNOVATIONS

| | |
|---|---|
| - Heterogeneous UxV testbeds<br>- Wide class of networking technologies | DIVERSITY |
| -Ease of incorporating additional technologies | EXTENSIBILITY |
| - Use of cloud services (PaaS / IaaS) | VIRTUALIZATION |
| - Designed for a long lifetime | SUSTAINABILITY |

## IMPACT

RAWFIE platform is an important "instrument" that allows
technology players of medium and small scale to experiment solidly
on their prototypes. It will provide a number of benefits
in the European society by facilitating the everyday life of citizens.
Some indicative application areas are environmental monitoring,
surveillance monitoring, and smart cities.