



Presentation of the work programmes of the Preparatory Action on Defence Research

**SBRA meeting on
EU funding for defence and security
8 March 2018**

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Does not represent an official legal opinion of the European Commission



European Defence Fund

Capability Window

Research Window

Research



- ▶ EU funding



Preparatory Action on Defence Research
European Defence Research Programme

Development



- ▶ Pooling of national contributions
- ▶ EU co-financing



European Defence Industrial Development Programme

Acquisition



- ▶ Practical support by European Commission



European Defence Fund



- All budgets are proposals!
- Research should be linked to defence capability priorities agreed by the **Member States**



PREPARATORY ACTION ON DEFENCE RESEARCH

PADR Objectives

- Demonstrate and assess added-value of EU supported **defence R&T**
- Results should foster further cooperation between Member States and between EU defence industries
- Prepare for a basic act to launch a substantial defence research programme from 2021 onwards

PADR Scale and Scope

- Duration: 3 years – 2017-2019
- Requested total budget: EUR 90 million, subject to yearly decisions
- 2017 Budget: EUR 25 million **APPROVED!!**
- 2018 Budget: EUR 40 million **APPROVED!!**
- 2019 Budget: EUR 25 million **TO BE REQUESTED**
- Bulk of the PADR budget to set-up a small defence R&T programme to prepare and test mechanisms to deliver cooperative defence research activities

PADR Modalities (1/2)

- **Horizon 2020 "look & feel"** as close as possible but adapted to specificities of the defence sector & Financial Regulations
- Mainly **GRANT-based scheme** (research actions – coordination and support actions); procurement limited to studies
- Participation: legal entities established in Member States or Norway **only**
- Evaluation based on **excellence** organised by EDA assisted by independent experts, validated by national authorities

PADR Modalities (2/2)

- Funding: **100%** direct eligible costs + indirect costs (flat rate of **25%** of direct eligible costs)
- Personnel costs can be declared as unit costs (if this is the beneficiary's usual accounting practice)
- EU funding can only be used for R&T activities related to defence technologies, products and systems, and **not to fund military operations**
- IPR: **results owned by participants**; measures to inform national authorities on the outcome of the projects

PADR WORK PROGRAMMES

PADR Work Programmes

	C ⁴ ISR	Effects	Force Protection and soldier systems	Unmanned Platforms
Defence Research Demonstrator Project				2017
Critical Defence Technologies	2018	2018		
Future and Emerging Disruptive technologies			2017	
Standardisation and Interoperability				
Strategic Technology Foresight Modalities				



Call –Unmanned platforms

Technological demonstrator for enhanced situational awareness in a naval environment

OCEAN 2020

- **R&D on maritime surveillance & interdiction at sea**
- **Integration of drones/unmanned submarines into fleet operations**
- **Acquisition and combination of data into a Recognised Maritime Picture**
- **Two demonstrations in connection to navy exercises (SE, IT)**
- **Consortium: Leonardo SpA (COO), 42 beneficiaries**
- **Budget: ~35 MEUR**



Call – Force Protection and Soldier Systems

Force protection and advanced soldier systems beyond current programmes

GOSSRA

- Generic open soldier systems architecture
- Standardisation/interoperability (NATO – EDA)
- Consortium: 9 beneficiaries
- Budget: ~1,5 MEUR

VESTLIFE

- Ultralight body armour for dismounted soldiers
- Consortium: 6 beneficiaries
- Budget: ~2,7 MEUR

ACAMS II

- Adaptive wide-band camouflage
- Consortium: 7 beneficiaries
- Budget: ~2,6 MEUR



Call – Strategic Technology Foresight

The European Defence Research Runway

PYTHIA

- Review of current tech forecasting methodologies
- Design a methodology to collect and analyse large amounts of data (big data analytics in a defence context)
- Study of cognitive factors
- Assessment of the impact of tech trends on defence planning
- Workshops (validation PYTHIA methodology)
- Consortium: Engineering – Ingegneria Informatica (COO),
8 beneficiaries
- Budget: ~0,95 MEUR



Outline 2018 PADR Work Programme

FOCUS

Critical Defence Technologies

Strategic autonomy

Security of supply

(including no end-user restrictions)

C(2018)1383 available at

https://ec.europa.eu/growth/content/preparatory-action-defence-research-description-2018-topics_en



Outline 2018 PADR Work Programme

Call – Electronic Design Technologies for Defence Applications

European high-performance, trustable (re)configurable system-on-a-chip or system-in-package for defence applications

Call – Effects

Towards a European high power laser effector

Call – Strategic Technology Foresight

The European Defence Research Runway – part II



All calls available on Participant Portal

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EU Programmes 2014-2020

Search Topics

Updates


Calls

- H2020
- 3rd Health Programme
- Asylum, Migration and Integration Fund
- Consumer Programme
- COSME
- Hercule III Programme
- Internal Security Fund - Borders
- Internal Security Fund - Police
- Justice Programme
- Pilot Projects & Preparatory Actions**
- Promotional Agricultural Products
- Research Fund for Coal & Steel
- Rights, Equality and Citizenship Programme
- Union Civil Protection Mechanism

Calls for Proposals

Pilot Projects and Preparatory Actions

[Advanced search for topics](#)
[Calls for tenders on TED](#)



Pilot projects (PP) and Preparatory Actions (PA) introduce **new initiatives** that might turn into standing EU funding programmes. A **Pilot Project** is an initiative of an experimental nature designed to test the feasibility of an action and its usefulness and lasts not more than two years. A **Preparatory Action** - normally the successor of a successful pilot project on the same matter - is designed to prepare new actions like EU policies, legislation, programmes etc. with funding for not more than three years. For more information on the Pilot Projects and Preparatory Actions see the [annual report on pilot projects and preparatory actions](#).

Status Calls with forthcoming topics Calls with open topics Calls with only closed topics

Sort by Call title Call identifier Publication date

Preparatory Action on Defence Research III (PADR) Technological demonstrator for enhanced situational awareness in ... PADR-US-2017 Publication date: 07 June 2017	Preparatory Action on Defence Research III (PADR) Force protection and advanced soldier systems beyond current programmes PADR-FPSS-2017 Publication date: 07 June 2017	Preparatory Action on Defence Research III (PADR) The European Defence Research Runway PADR-STF-2017 Publication date: 07 June 2017
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In addition to the search facilities, the full list of Union Civil Protection Mechanism Programme Calls can be found [here](#).

CALL FOR EXPERTS



Call for Experts

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News

[15/06/2017] Expert evaluators needed: help us select high-potential innovators. [More...](#)

[07/06/2016] Call for experts to assist the European Defence Agency (EDA) with tasks in connection with the Preparatory Action on Defence Research. [More...](#)

[10/2014] The [3rd Health Programme](#) and the [Consumer Programme](#), managed by the Consumer, Health and Food Executive Agency (CHAFEA), and the [Research Fund for Coal and Steel \(RFCS\)](#) are now using the [European Commission's experts database](#) to select

Experts [H2020 ONLINE MANUAL](#)

Join the database of independent experts. The European Commission appoints independent experts to assist with assignments that include the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

New experts

Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields ([see calls for experts for details](#))
- can be available for occasional, short-term assignments

[REGISTER AS EXPERT](#)

What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- **evaluation** of proposals
- **monitoring** of actions

In addition, experts assist in the :

- **preparation, implementation or evaluation of programmes and design of policies.**

- **Experts need to be validated by national authorities**
- **Experts need personal security clearance (CONFIDENTIEL UE/EU CONFIDENTIAL or equivalent)**

**THANK YOU FOR YOUR
ATTENTION**

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