



The European Defence Fund

*EU funding for
defence research and development*

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Does not represent an official legal opinion of the European Commission

POLICY CONTEXT: EUROPEAN DEFENCE FUND



Challenges

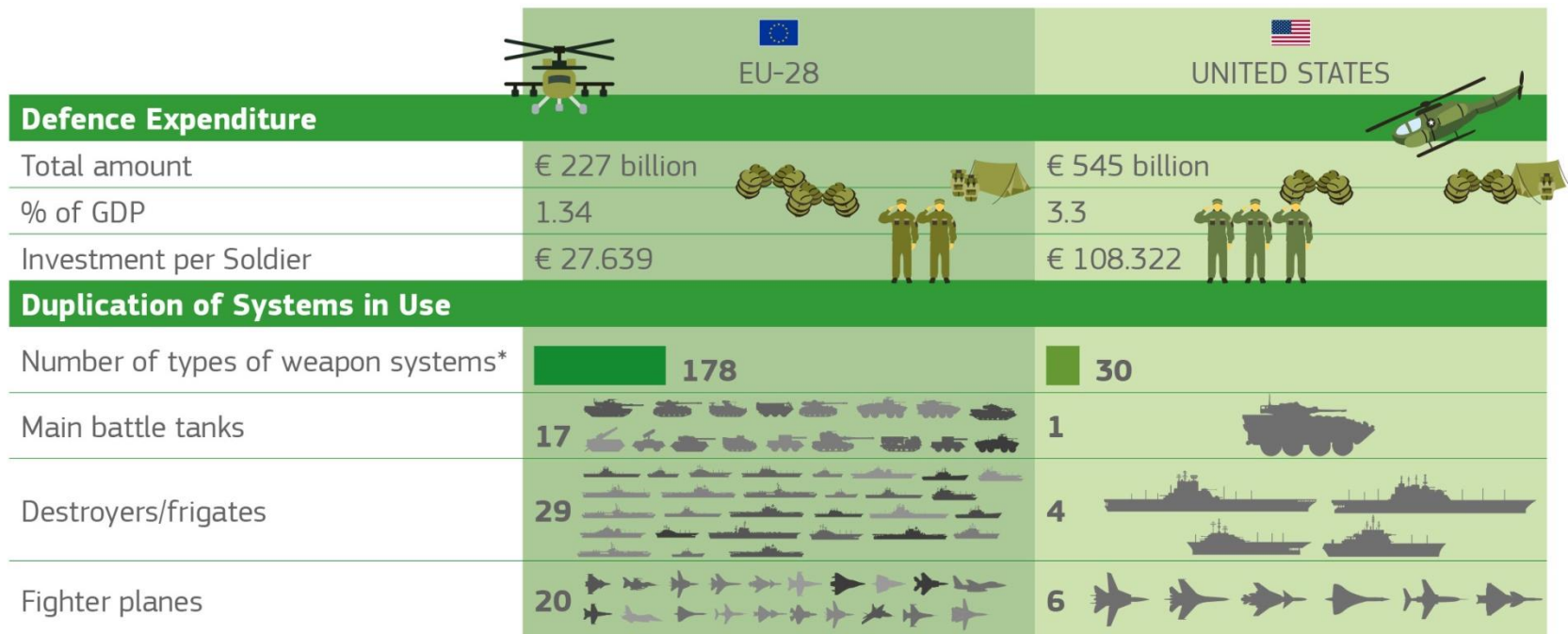
Security Threats

- **To our borders**
- **Increasing complexity – hybrid**

Markets & Industry

- **Fragmented**
- **Rapidly evolving – new sources of innovation**
- **Increasing global competition**

Fragmentation ...



* Number of types of weapon systems for selected weapon systems categories

Source: NATO, International Institute for Strategic Studies, SIPRI

... the case for greater cooperation on defence

Rationale for the European Defence Fund

ECONOMIC

Reduction of inefficiencies of the current market,
synergies and economies of scale

STRATEGIC

Strategic autonomy of the Union

POLITICAL

Protection of the basic interest of the Union
and its Member States

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X22!!



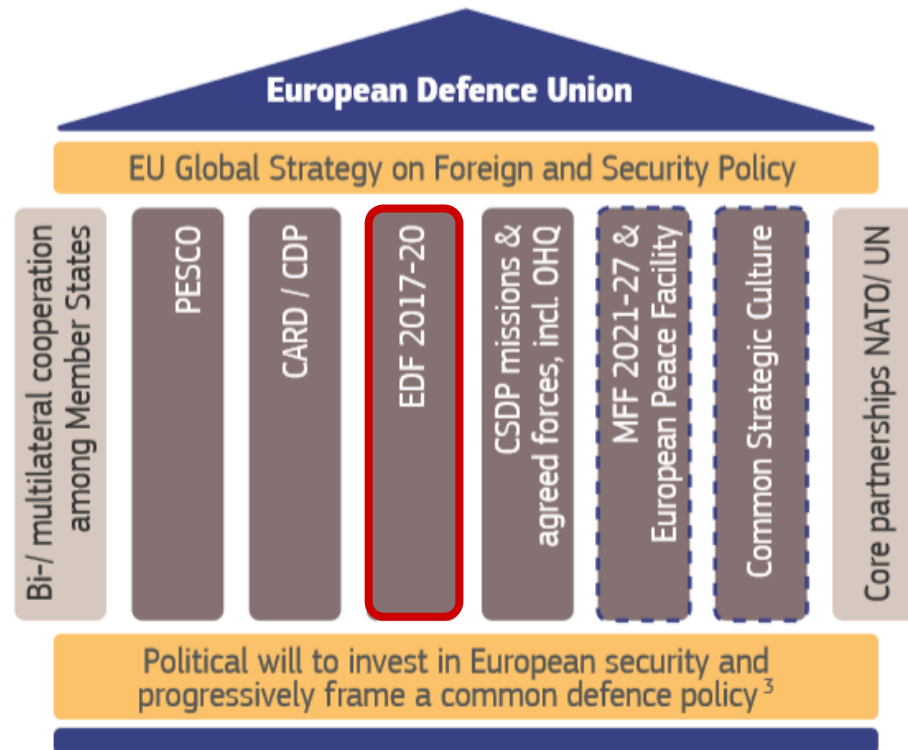
Source: European Commission, European Political Strategy Centre

- 2021-2027 budgets are proposals!
- Investment decisions should be based on defence capability priorities agreed by the **Member States**

European Defence Fund: State of Play

13 June 2018	Publication of the Commission proposal COM (2018)476
19 February 2019	Partial general agreement reached between MS (Council) and European Parliament (ITRE Committee)
18 April 2019	Plenary vote in favour of the partial general agreement in the European Parliament
Fall 2019	Resume discussions on the long-term EU budget (2021 – 2027)
January 2021	First calls for proposals under the fully-fledged EDF

Main pillar of an ambitious European Defence Union



POLICY CONTEXT: TWO TEST PROGRAMMES

How to try something new at EU level?

- General principle:
no legal framework – no money!
- Three exceptions for testing new actions:
 - Pilot Project: experiment to test the feasibility and usefulness of an action
(max 2 year duration) - FINISHED
 - **Preparatory Action: prepare for a proposal for a new legal framework**
(max 3 year duration – max EUR 100 million per action)
 - **Propose new legislation: used for the development programme – EDIDP: launch April 2019**



PREPARATORY ACTION ON DEFENCE RESEARCH

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Preparatory Action on Defence Research

- Budget: **EUR 90 million** for 2017-2019 in **grants**
- Funding: **100% direct eligible costs** + indirect costs (flat rate of 25% of direct eligible costs)
- Implemented through annual work programmes and calls for proposals
- **7 actions** running – **1 proposal** close to end of the grant agreement preparation phase
- 2019 proposals under evaluation - up to **10 actions** expected to be awarded in the second half of 2020

Calls of PADR Work Programme

	C ⁴ ISR	Effects	Force Protection and soldier systems	Unmanned Platforms
Defence Research Demonstrator Project				OCEAN 2020
Critical Defence Technologies	1 project			
	1 pr.	TALOS		
Future and Emerging Disruptive technologies	2 topics – up to 8 projects			
			VESTLIFE ACAMS II GOSSRA	
Standardisation and Interoperability				1 project
PYTHIA				
SOLOMON				

2017-2018 PADR projects



OCEAN2020
Open Cooperation for European mAritime awareNess



GENERIC OPEN SOLDIER SYSTEM REFERENCE ARCHITECTURE





EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME

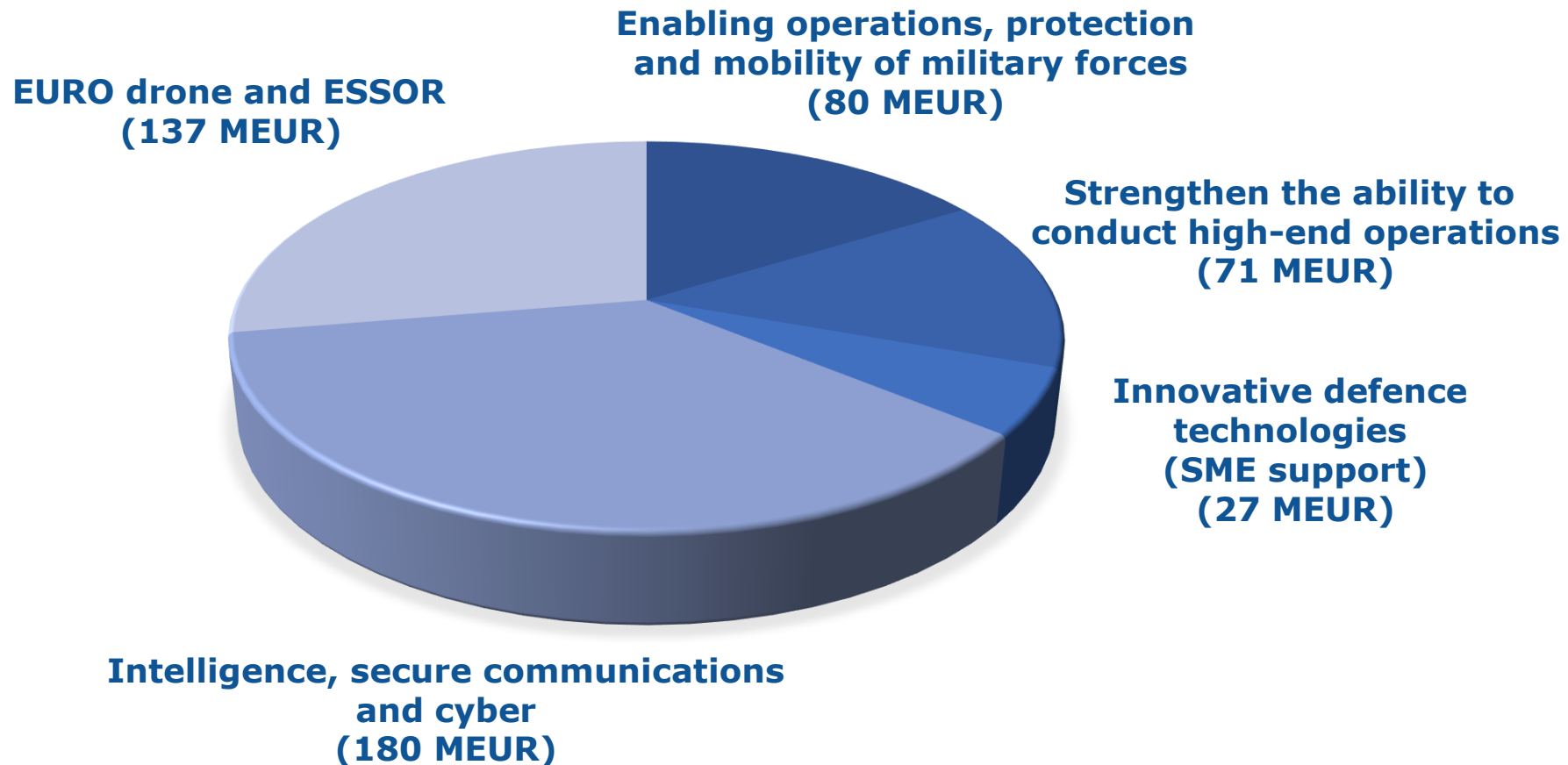
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EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME

- Duration: **2 years → 2019-2020**
- Budget: **EUR 500 million** for the period 2019-2020
- Objectives:
 - foster the competitiveness, efficiency and innovation capacity of the defence industry throughout the Union, thus contributing to the Union's **strategic autonomy**;
 - support and leverage the **cooperation** including across borders between undertakings including SMEs and mid-caps;
 - foster better **exploitation** of the results of defence research and contribute to development after the research phase.

EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME





All calls available on the Funding and Tender opportunities Portal



Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

français

Register

select programme

clear filters

- SEARCH FUNDING & TENDERS
- HOW TO PARTICIPATE
- PROJECTS & RESULTS
- WORK AS AN EXPERT
- SUPPORT

European Defence Industrial Development Programme (EDIDP)

Type your Keywords

Match whole words only

GRANTS TENDERS

Filter by submission status

- FORTHCOMING
- OPEN
- CLOSED

Filter by programme (only for grants)

EDIDP

Funding and tenders Sort by: opening date title ID deadline

16 results



Download all funding and tender opportunities to your calendar or subscribe to the RSS feed (unfiltered).

Online manual
"Find a grant"

See all calls for tenders published by EC

Grant Airborne electronic attack capability EDIDP-ACC-AEAC-2019

Types of action: EDIDP Action grant | Programme: European Defence Industrial Development Programme

Open for submission

Opening date: 09 April 2019

Deadline model: single-stage
Deadline date: 29 August 2019 17:00:00 Brussels time

DEFENCE / ACADEMICS: CHALLENGES AND OPPORTUNITIES



Participation

- **Separation** of civil research (Horizon 2020/Horizon Europe) and the defence R&D programmes
- No funding for **basic research** but possible to include defence-oriented **fundamental research** likely to form the basis of the solution to existing/future challenges
- Currently **low participation from academics** in running actions (ca. 8% in the Preparatory Action) and mainly from military academies/universities
- But **increased participation** in final calls (future/disruptive technologies)



Participation

- EDF wants to **reach out to new actors** who are traditionally less involved in defence R&D
- Bring your **R&D excellence** (in all domains) to the defence domain
- ... but it is not the R&D/industry that will set the **defence priorities** for the armed forces!
- **Opportunities** to work with other stakeholders (military universities and schools)

Classified information vs. academic publication policy

- EDF is implemented through grants → **IPR remains with the beneficiaries**
- EDF Regulation Art. 35(1):
 - « *The recipients of Union funding shall acknowledge the origin and ensure the visibility of the Union Funding (in particular when promoting the actions and their results) by providing coherent, effective and proportionate targeted information to multiple audiences, including the media and the public. **The possibility to publish academic papers based on the results of research actions shall be regulated in the funding or financing agreement.** »*



Classified information vs. academic publication policy

- Try to **avoid mixing** classified and unclassified work flows (separate them already at the level of the preparation of your proposal)
- **Security scrutiny of all deliverables** before signing the grant agreement!
- Personal security clearance/Facility security clearance: check your **national legislation!**
- The results generated in the project can be subject to **EU and national export controls and restrictions**



Ethics

- In particular defence research requires close ethical scrutiny
- EDF Regulation:
 - Respect international law!
 - No funding for certain types of lethal autonomous weapons without the possibility for meaningful human control in different steps of the decision making process.
 - Responsibility shared with MS (co-funding!)
 - Ethics scrutiny of proposals and projects
 - Experience is building (Preparatory Action)



Ethics

- Commission will provide ethics guidance to applicants and ethics experts
- Already following what is happening under **Horizon 2020** for civil applications:

sienna.

Stakeholder-informed ethics for new technologies with high socio-economic and human rights impact
Ethics and new technologies (AI and robotics, autonomy, human enhancement, human genomics)



Ethics



Shaping the ethical dimension of smart information systems (SIS) – a European perspective

Ethics and smart information systems (combination of AI and big data analytics)



CALL FOR EXPERTS



European
Commission

Call for Experts

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | **WORK AS AN EXPERT** | SUPPORT

Pilot Projects and Preparatory Actions (PPPA)

Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.

Being an expert for the European Commission

In particular, experts assist in:

- Evaluation of proposals, prize applications and tenders
- Monitoring of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- Preparation, implementation and evaluation of EU programmes and design of policies.

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration and the conditions of remuneration.

Interested? Please join the database of external experts!

- Experts need to be validated by national authorities
- Experts need appropriate personal security clearance

<https://www.eda.europa.eu/docs/default-source/procurement/2017-call-for-experts.pdf>
https://ec.europa.eu/growth/content/call-expression-interest-establish-list-experts-assist-european-commission-tasks-connection_en

Thank you for your attention

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More information:

- The Commission's proposal for a regulation establishing the European Defence Fund: **COM(2018)476**.
- Staff working document, including impact assessment: **SWD(2018)345**.

Accessible from EU press release IP/18/4121

http://europa.eu/rapid/press-release_IP-18-4121_en.htm

- Adoption of the PADR 2019 and EDIDP 2019-2020 work programmes:
http://europa.eu/rapid/press-release_IP-19-1717_en.htm