

**EUROPEAN  
DEFENCE  
FUND**

**EDF  
Info Day  
LJUBLJANA**

**Boosting cross-border  
Defence R&D cooperation  
in the EU**



@defis\_eu



#EUDefenceIndustry

Col. Luca GUARAGNO  
Policy Officer - EDF

DEFIS-Defence Industry

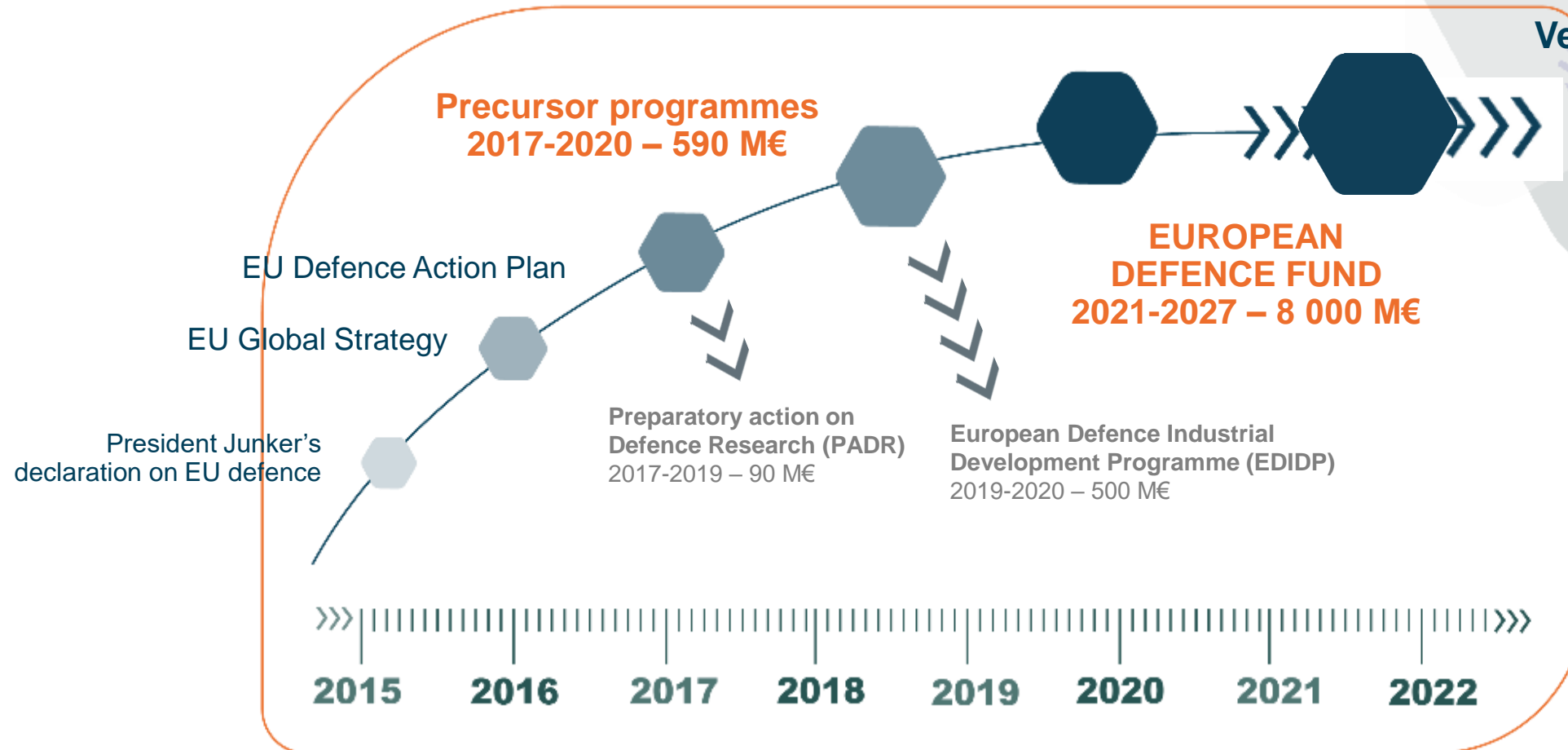
A2.Implementation Programming and SME  
support

# Ramping-up EU's interest in SECURITY and DEFENCE

**Strategic compass**  
spend more and better in  
Defence, strategic enablers,  
capabilities and innovation)

**Versailles declaration**

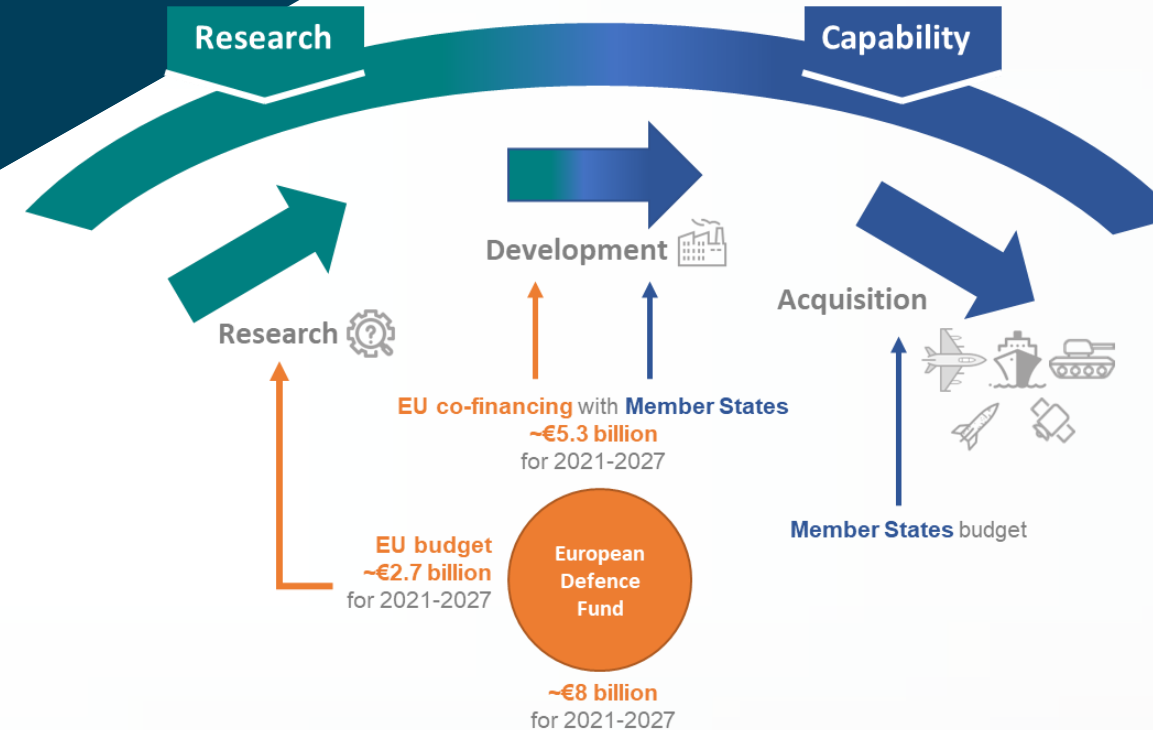
**ASAP**  
**EDIRPA**  
**EDIS**  
**EDIP**



# EDF

## European Defence Fund

# European Defence Fund: The EU defence R&D programme



- **EDF financial support mainly in the form of grants**
- **Open to EU Member States and Norway**
- **Security-based participation conditions for entities controlled by third-countries**

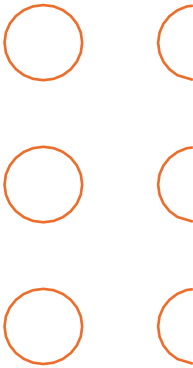
# EDF Categories of Actions

Addressed by **annual work programmes**  
& **calls for proposals**




-  **Medical response, CBRN & human factors**
-  **Information superiority**
-  **Sensors**
-  **Cyber**
-  **Space**
-  **Digital transformation**
-  **Energy resilience & environmental transition**
-  **Materials and components**

-  **Air combat**
-  **Air and Missile defence**
-  **Ground combat**
-  **Force protection and mobility**
-  **Naval combat**
-  **Underwater warfare**
-  **Simulation and training**



## Horizontal categories

-  **Disruptive technologies**
-  **Innovative defence technologies (SMEs)**











# EDF Work Programme 2024










EUR ~1.10 billion

34 topics

Opening of the calls: 20 June 2024

Deadline for submission: 5 November 2024 17.00 CET

	Medical Response & CBRN	<ul style="list-style-type: none"><li>SGA under FPA on medical countermeasures ✓</li><li>SGA under FPA on medical countermeasures ✓</li></ul>	15 M€ 10 M€
	Information superiority	<ul style="list-style-type: none"><li>AI-based multifunctional aperture and transceiver ✓</li><li>Defence multi-dimensional communication standard ✓</li><li>Small UAS ✓</li><li>MALE RPAS</li></ul>	45 M€ 25 M€ 11 M€ 100 M€
	Sensors	<ul style="list-style-type: none"><li>Advanced radar technologies</li><li>Multi-sensors integration for autonomous drone navigation (challenge, 2 topics)</li></ul>	35 M€ 27 M€
	Cyber	<ul style="list-style-type: none"><li>Federated cyber ranges ✓</li></ul>	48 M€
	Space	<ul style="list-style-type: none"><li>Multi-source satellite image analysis (challenge, 2 topics)</li><li>Secure waveform for satellite communications ✓</li></ul>	25 M€ 25 M€
	Digital transformation	<ul style="list-style-type: none"><li>Automated structural modelling for effect prediction</li></ul>	15 M€
	Energy & Environment	<ul style="list-style-type: none"><li>Energy-independent and energy-efficient systems for military camps ✓</li></ul>	40 M€
	Materials & Components	<ul style="list-style-type: none"><li>Electronic components (spin-in) ✓</li></ul>	25 M€

	Air combat	<ul style="list-style-type: none"><li>Advanced air-to-air missiles</li><li>Unmanned collaborative combat aircraft systems ✓</li><li>Next generation rotorcraft</li></ul>	35 M€ 15 M€ 100 M€
	Air & missile defence	<ul style="list-style-type: none"><li>Countering Hypersonic glide vehicles</li></ul>	78 M€
	Ground combat	<ul style="list-style-type: none"><li>Intelligent weaponry and ammunition systems</li><li>Unmanned ground systems ✓</li><li>Beyond the line-of-sight close combat</li><li>Armoured infantry fighting vehicle</li></ul>	30 M€ 50 M€ 25 M€ 25 M€
	Protection & Mobility	<ul style="list-style-type: none"><li>Future mid-size tactical cargo aircraft</li></ul>	30 M€
	Naval combat	<ul style="list-style-type: none"><li>Functional smart system-of-systems under integral survivability approach for future naval platforms</li></ul>	45 M€
	Underwater warfare	<ul style="list-style-type: none"><li>Secured/adaptive underwater communications for UUVs ✓</li><li>Autonomous heavy minesweeping system</li></ul>	24 M€ 30 M€
	Simulation & training	<ul style="list-style-type: none"><li>Methods for bridging reality gaps (cascade funding) ✓</li><li>Simulation and training for medical emergencies ✓</li></ul>	15 M€ 10 M€
	Disruptive technologies	<ul style="list-style-type: none"><li>Quantum technologies ✓</li><li>Non-thematic research</li></ul>	24 M€ 16 M€
	SMEs	<ul style="list-style-type: none"><li>Non-thematic research for SMEs and ROs</li><li>Non-thematic development for SMEs</li></ul>	34 M€ 33 M€

+	Others	<ul style="list-style-type: none"><li>External expertise, audits, studies, IT, indirect management</li></ul>	7.6 M€
		<ul style="list-style-type: none"><li>Business coaching for SMEs</li></ul>	1.6 M€
		<ul style="list-style-type: none"><li>Blending facility for equity funding for SMEs/Mid-Caps</li></ul>	20 M€
		<ul style="list-style-type: none"><li>Business accelerating services</li></ul>	2.6 M€
		<ul style="list-style-type: none"><li>Matchmaking events for investors and SMEs</li></ul>	0.6 M€ 1.2 M€

Legend: Research Development EUDIS-related ✓ STEP

#EUDefenceIndustry

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# EDF Multiannual perspective

UPDATED EACH YEAR

- **Indicative document** (no commitment) prepared and reviewed each year in line with annual work programmes
- Presents a longer-term perspective than annual work programmes → **Predictability**
- Introduces the expected collective landing zone in terms of outcomes → **Visibility and output orientation**
- Supports **coordination** between Member States/Norway and industries

## For each category of action

- **Main outcomes** expected from EDF support
- **Rationale** to meet these main outcomes

**Main  
expected  
outcomes**



**Budget  
distribution**

## For some categories of actions

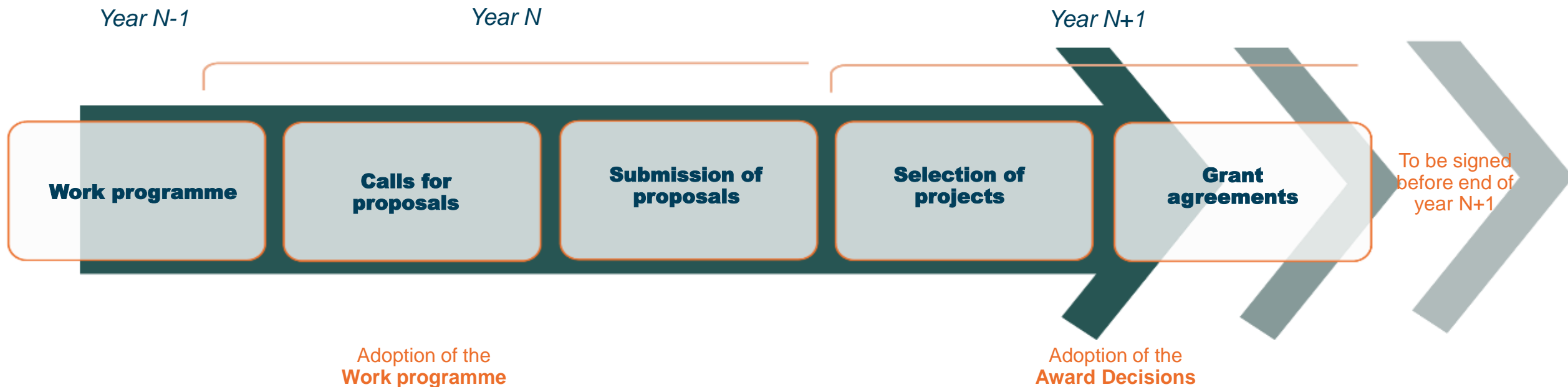
- Foreseen **overall budget allocation**



# EDF Life-cycle

**Annual** work programmes and calls for proposals + indicative **multiannual perspective**

**Member States** (“EDF Programme Committee”) validate the annual EDF **work programme** and the **selection of projects** (awards) to be funded following the calls for proposals





# EDF WP and calls 2024: milestones

Time to prepare proposals > 7,5 months  
(similar to 2023)

**15 MAR**

Adoption and publication of **EDF WP\* 2024, MAP\*\* and call topics description**

**15 APR**

Publication of calls, **conditions** and **templates** on F&T Portal  
23 APR for call EUCI

**05 NOV**  
**17.00 CET**

**Deadline** for submission of proposals

**20 JUN**

**Opening** of the calls  
(submissions can start)

**MAY**

- Results of EDF 2023 calls
- 28-29: Commission's EDF Info-days

\* Work programme  
\*\* Multiannual perspective

# Eligibility of consortia and entities

## Consortia

- at **least three eligible entities** established in at least three different Member States / Norway

## Exception

- call for disruptive technologies at **least two eligible entities** established in at least two different Member States / Norway

## Entities




# EU funding rates

## Research vs Development

### Research actions

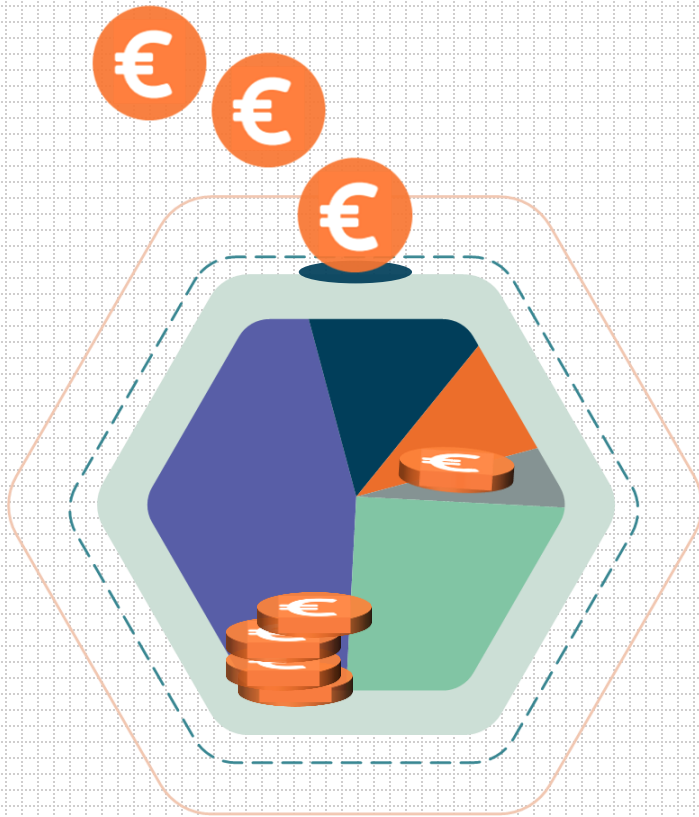
Activity type	EU funding rate
Generating knowledge	100%
Integrating knowledge	100%
Studies	100%
Design	100%

### Development actions

Activity type	EU baseline funding rate		EU maximum funding rate
Integrating knowledge	65%		100%
Studies	90%		100%
Design	65%		100%
Prototyping	20%	Bonuses	55%
Testing	45%		80%
Qualification	70%		80%
Certification	70%		80%
Increasing efficiency	65%		100%

Funding rate mechanism to **incentivise co-financing**  
(leverage effect)

# Costs categories in EDF



## A . PERSONNEL COSTS

- A.1 Employees
- A.2 Natural persons under direct contract
- A.3 Seconded persons by a third party against payment
- A.4 SME owners and natural persons

## B. Subcontracting costs

## C. Purchase costs

- C.1 Travel and subsistence
- C.2 Equipment
- C.3 Other goods, works and services

## D. Other costs

- D.1 Financial support to third parties\*
- D.2 Internally invoiced goods and services

## E. INDIRECT costs

\* Only for EDF-2023-DA-MATCOMP-MJR-CBDIN

# EDF implementation

After the implementation of the first 2 annual Work Programmes:

- **High EU investment:**  
**€3 billion committed**
- **101 projects**
- **Large coverage:**  
**19% EU funding to SMEs**
- **Real cooperative and multinational dimension:**  
in average, **20 entities from 8 MS and Norway** are involved in an EDF funded defence R&D project

## EDF 2021



**€1.2 billion**  
**60 projects selected**

142 proposals submitted

692 entities from 26 MS + NO  
43% SMEs

1092 participations  
34% from SMEs

18.4% of overall budget  
allocated to SMEs

## EDF 2022



**€0.8 billion**  
**41 projects selected**

134 proposals submitted

550 entities from 26 MS + NO  
39% SMEs

887 participations  
30% from SMEs

19.8% of overall budget  
allocated to SMEs

## EDF 2023



**~ €1.2 billion**

**34 call topics**

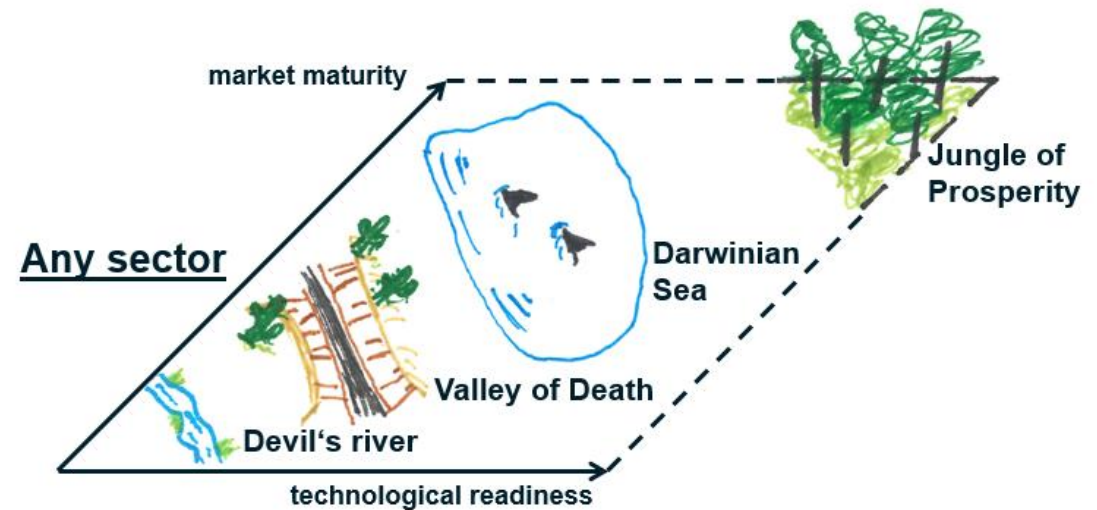
238 proposals submitted  
**(record high interest!)**

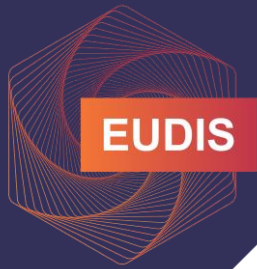
Applicants to be informed  
soon

# EU Defence Innovation Scheme

*A stronger defence innovation ecosystem*

- **Focus on SMEs, including start-ups and non-traditional players** in defence industrial ecosystem
- Tap into the full **potential of defence & civil** innovation communities
- Investment ambition close to **€ 2 billion until 2027**
- **Integrated in the EDF**
- **Five tracks** combine calls & SME support services





# FIVE EUDIS INNOVATION TRACKS



## CHALLENGE YOUR IDEA

**53 M€**

- Defence Hackathon
- Technological Challenges on Space and Advanced Active & Passive Radars



## ACCELERATE YOUR INNOVATION

**15 M€**

- Simulation & Training - A selected consortium invites individual SMEs and start-ups for targeted acceleration services



**225 M€**  
2024



## EMPOWER SMEs

**112 M€**

- Open SME R&D calls (67 M€)
- Research calls for disruptive technologies (40 M€)
- Business coaching for grant receivers (1.6 M€)
- Business Accelerator & Matchmaking (3.2 M€) *upcoming in 2025*



## IMPROVE ACCESS TO FINANCE

**20 M€**

- Defence Equity Facility, implemented by the European Investment Fund



## MIGRATE YOUR INNOVATION FROM CIVIL TO DEFENCE

**25 M€**

- Materials & components

# How to submit a proposal?

The screenshot shows the 'Funding & tender opportunities' Online Manual page. The left sidebar contains a navigation menu with links such as 'Manual', 'User account and roles', 'Register — Register your account', 'Applying for funding', 'Search funding opportunities — Projects that can be funded — Apply with partners or as individual', 'Submit a proposal — Electronic Submission System', 'Get prepared', 'Electronic proposal submission', 'Complaints about failed submission', 'From evaluation to grant management', 'Implementation', 'Financial instruments', and 'Doing as an expert'. The main content area is titled 'Submit a proposal — Electronic Submission System' and features a progress bar with four steps: 'Find a call', 'Conditions for funding', 'Find partners', and 'Submit a proposal' (which is the active step). Below the progress bar, there is a section titled 'Submit a proposal' with a sub-progress bar showing 'Get prepared' and 'Electronic proposal submission'. A green 'HOW TO' button is located to the right of the sub-progress bar. The 'Proposal submission' section explains that proposals must be submitted electronically using the 'Portal Submission System'. It includes sections for 'Where?' (Access to the Submission System), 'Who?' (Proposals must be created and submitted by a contact person of the coordinating organisation), and 'How?' (The Submission wizard will guide you step-by-step through the process). The 'Submission process' section lists the steps: 'Get prepared: Finding your topic > Find partners > Plan your work and budget' and 'Electronic proposal submission: Get an EU Login account > Get a PIC number (Participant Register) > Launch Submission wizard > Pre-register your draft proposal > List participants, contact persons > Fill in Administrative Forms (Part A) > Upload Technical Description (Part B) > Submit your proposal > Acknowledgement of receipt'. The 'Application form (Part A and B)' section states that proposals are submitted using the application forms available in the Submission System, which are structured into two parts, A and B. A note at the bottom indicates that Part A contains the structured Administrative Forms with data on the participants, legal declarations and contact persons (retrieved from the Submission System screens). It may also include some programme-specific questions.

European Commission | Funding & tender opportunities | Online Manual

Search

Manual

Home — User account and roles

Participant Register — Register your account

Applying for funding

Search funding opportunities — Projects that can be funded — Apply with partners or as individual

**Submit a proposal — Electronic Submission System**

Get prepared

Electronic proposal submission

Complaints about failed submission

**Submit a proposal**

Get prepared

Electronic proposal submission

**Proposal submission**

Proposals must be submitted electronically using the **Portal Submission System**.

**Where?** Access to the Submission System is available through the Topic page on the Portal > Start Submission.

**Who?** Proposals must be created and submitted by a contact person of the coordinating organisation. Exceptions exist for some programmes/types of action which are fully focused on individuals (e.g. the *Principal Investigator in Horizon Europe ERC grants* or the *Fellow in Horizon Europe MSCA grants*).

**How?** The **Submission wizard** will guide you step-by-step through the process. You will need to use the online forms and templates available in the Submission System. The application form is described below.

**Submission process**

Get prepared: Finding your topic > Find partners > Plan your work and budget

Electronic proposal submission: Get an EU Login account > Get a PIC number (Participant Register) > Launch Submission wizard > Pre-register your draft proposal > List participants, contact persons > Fill in Administrative Forms (Part A) > Upload Technical Description (Part B) > Submit your proposal > Acknowledgement of receipt

**Application form (Part A and B)**

Proposals are submitted using the application forms available in the Submission System. The **application form** is structured into two parts, Parts A and B:

- Part A contains the structured Administrative Forms with data on the participants, legal declarations and contact persons (retrieved from the Submission System screens). It may also include some programme-specific questions.

ps://webgate.ec.europa.eu/funding-tenders-opportunities/display/OM/Apply-with-partners-or-as-individuals

Type here to search

19:34 10/04/2022



# Admissibility Conditions

## Formal requirements related to the submission and presentation of proposals



Submitted before the call deadline (22 November 2023 – 17.00 CET)



Submission forms and supporting documents need to be provided as searchable pdf files, unless otherwise specified

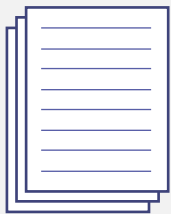
Funding & tender opportunities



Submitted electronically via the Funding & Tenders Portal Electronic Submission System

Buongiorno  
Hola **Guten Tag**  
Bonjour **Ahoi**

Proposal in one of the official languages of the Union (English language is encouraged)



Proposals (with annexes and supporting documents) must be complete and submitted using the forms

1 Proposal = 1 Topic

Each proposal must only be submitted against one topic

# How to search for partners?

20  
24

## Partner search tool on the Funding & Tender portal

- Register and request/offer expertise to your topics of interest (EDF topics are under “Horizon Europe” programme)

EDF Info Days brokerage / matchmaking organised on 28-29 May 2024

- B2B platform remains open

Network of EDF National Focal Points (NFP)

- Contact details of your national contact point(s) on the web site!

## Other platforms

- Enterprise Europe Network
- European Defence Agency B2B platform
- European Network of Defence related Regions (ENDR)

# Useful links

- General information on the EDF on DG DEFIS website
  - [https://ec.europa.eu/defence-industry-space/eu-defence-industry/european-defence-fund-edf\\_en](https://ec.europa.eu/defence-industry-space/eu-defence-industry/european-defence-fund-edf_en)
- EDF Calls for proposals on the *Funding and Tenders portal* (where to apply)
  - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/edf>
- EDF Reference documents on the *Funding and Tenders portal*
  - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=EDF>
- National Focal Points Network (in all EU Member States and Norway!)
  - [https://ec.europa.eu/defence-industry-space/network-european-defence-fund-national-focal-points-nfp-0\\_en](https://ec.europa.eu/defence-industry-space/network-european-defence-fund-national-focal-points-nfp-0_en)
- Remaining questions regarding application to EDF calls for proposals?
  - [DEFIS-EDF-PROPOSALS@ec.europa.eu](mailto:DEFIS-EDF-PROPOSALS@ec.europa.eu)

# ASAP

Act in Support of Ammunition Production

# ASAP in short

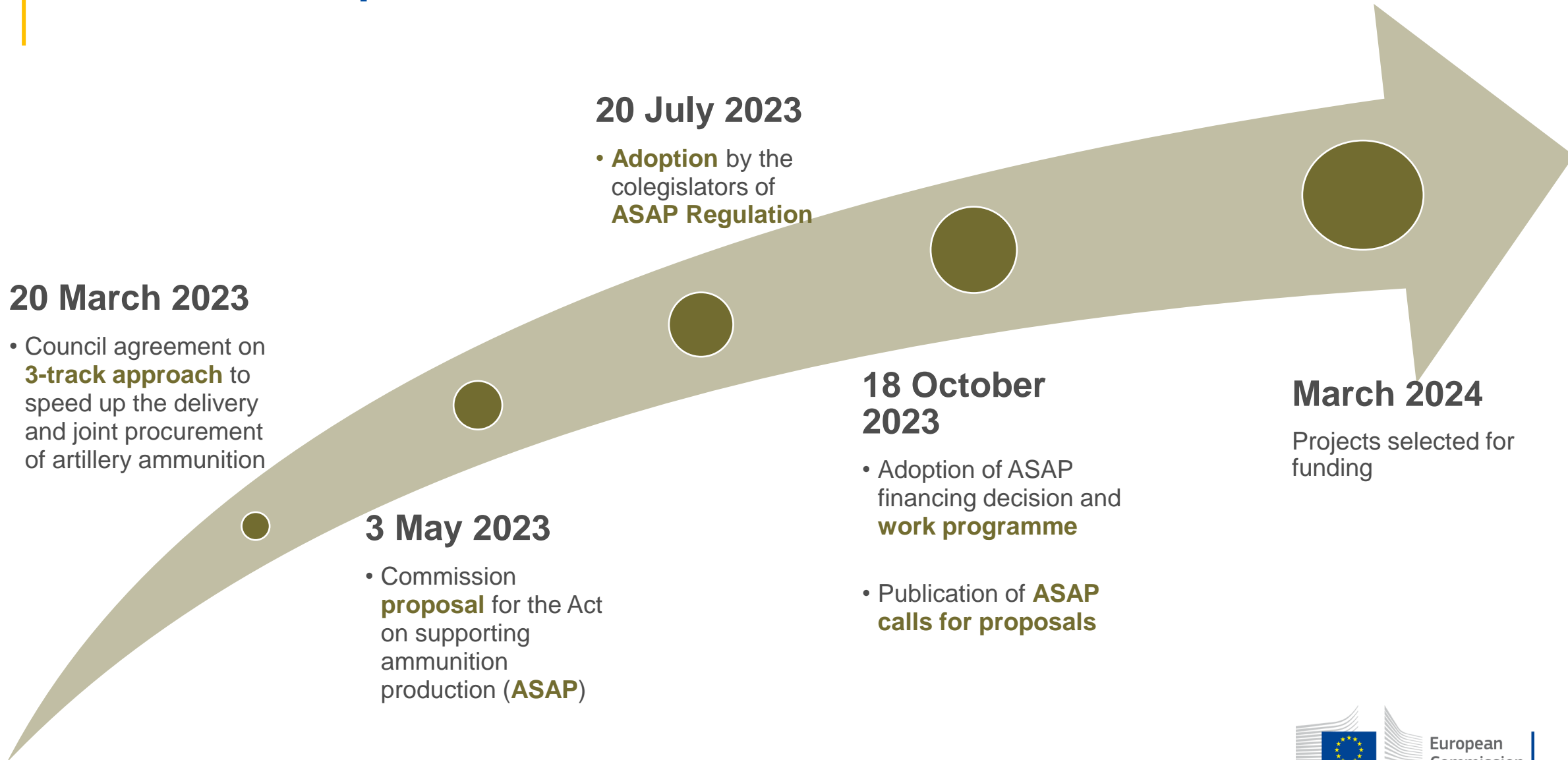
- Objectives of the Instrument
  - Foster the **efficiency and competitiveness** of the European Defence Technological and Industrial Base (EDTIB) by initiating and speeding up the adjustment of industry to the rapid structural changes
  - **Ramp-up** or creation of **manufacturing capacities** and **timely delivery**
  - strengthen **supply chain resilience and robustness**
- Budget
  - **500 M€** over 2023-25
- Funding principles
  - Lump sum **grants**
  - **Specific eligibility conditions** (e.g. ownership control) compared to other EU programmes
  - **EU funding rate up to 45%** (35% + possible 10% bonus)



# Calls and Topics - Scope

Calls	Topics	Scope
<b>Explosives</b> ASAP-2023-LS-XPL	ASAP-2023-LS-XPL-STEP ASAP-2023-LS-XPL-FAST	Production capacity in the area of explosives, including explosives for artillery ammunition, as well as mortars and rockets
<b>Powder</b> ASAP-2023-LS-POW	ASAP-2023-LS-POW-STEP ASAP-2023-LS-POW-FAST	Production capacities in the area of powders, e.g. propelling charges and propelling powder based on nitrocellulose, nitro-glycerine or nitroguanidine, supporting 155mm artillery ammunition, as well as mortars
<b>Shells</b> ASAP-2023-LS-SHL	ASAP-2023-LS-SHL-IPC	Forging shell bodies, shell filling or assembling of shell-integrated components
<b>Missiles</b> ASAP-2023-LS-MIS	ASAP-2023-LS-MIS-IPC	Production capacities in the area of missiles, in particular assembly of final product and production of propulsion systems
<b>Testing and reconditioning certification</b> ASAP-2023-LS-TRC	ASAP-2023-LS-TRC-AM	Artillery ammunition

# ASAP - Unprecedented EU reaction



# EDIRPA

European Defence Industry Reinforcement through  
common Procurement



# EDIRPA

**First-ever EU instrument to support  
common defence procurement**

**Budget**

**€ 310 M**

**Duration**

**Short-term instrument (2023-2025)**

## EDIRPA goals

- ▶ Incentivise defence procurement cooperation among EU Member States
- ▶ Aggregate EU demand on the procurement of capabilities
- ▶ Offset the complexity and risks associated with common procurement of defence products
- ▶ Provide strong and long-term signals to the EU defence industry
- ▶ Improve interoperability of EU armed forces

# EDIRPA

- Regulation published in the EU Official Journal (OJ) on **26 October**; Link here: [EUR-Lex - L\\_202302418 - EN - EUR-Lex \(europa.eu\)](#)
- Minimum Projects' size: 150Meuro (120M for ammunitions)
- Financing not linked to costs
- Contributions to COOPERATION activities only (up to 60M per project)

# EDIRPA Work Programme objectives

Support Member States to commonly procure defence capabilities and by this:

- ▶ Replenish defence stockpiles
- ▶ Reinforce defence capabilities
- ▶ Replace legacy systems
- ▶ Provide support to Ukraine and Moldova

**3 thematic calls  
for proposal**

## AMMUNITION

Common procurement of surface-to-surface ammunition such as small arms ammunition, tank and anti-tank ammunition, mortars, rockets, and artillery ammunition.

Indicative call budget: €103.2 million

## AIR AND MISSILE DEFENCE

Common procurement of air defence, air missile or missile defence capabilities or systems such as short range air defence systems, man portable air defence systems, high to medium air defence, ground to air ammunition, Counter Unmanned Air Systems, air surveillance radars and air defence radars.

Indicative call budget: €103.2 million

## PLATFORMS AND REPLACEMENT OF LEGACY SYSTEMS

Common procurement of platform such as tanks, armoured vehicles, support vehicles, combat platforms, soldier system and replacement of legacy systems.

Indicative call budget: €103.2 million

# EDIS

## European Defence Industrial Strategy

# European Defence Industrial Strategy (EDIS)

- ✓ **From** “Ad-Hoc emergency measures” **to** “long-term ability to enhance defence readiness”
- ✓ **Spend** MORE, BETTER, TOGETHER and EUROPEAN
- ✓ **Produce** MORE, FASTER and TOGETHER (increased and flexible production)
- ✓ SECURITY of **SUPPLY**
- ✓ Ensure **ACCESS** to **CAPITAL**
- ✓ Strategic **PARTNERSHIPS** (Ukraine – NATO)

# Several workstrands to strengthen industrial pillar of EU defence readiness (in full consistency with Strategic Compass)

# EDIS

## Support Member States' efforts to invest more, better, together, and European

- Joint programming and procurement function
- Support to joint procurement from EDTIB (EDIRPA logic)
- European Military Sales Mechanism



## Secure the availability of defence products thanks to a more efficient and responsive EDTIB and an enhanced Security of Supply

- De-risk investments (ASAP logic)
- EU security of supply regime



# EDIS



## Mainstream a defence readiness culture

- Review of EIB group lending policy
- FAST for access to finance
- Defence readiness, security and resilience as future programmes objectives (e.g. Cohesion funds and InvestEU)
- high level dialogue with financial sector to enhance access to finance



## Leverage partnerships to enhance readiness and resilience

- Promote Ukraine's participation EU defence industry programmes
- EU-Ukraine Defence Industry Forum in 2024
- Enhance NATO-EU staff-to-staff structured dialogue
- Strengthen mutually beneficial partnerships



Several **indicators** to monitor the implementation

- **By 2030**, value of intra-EU defence trade = at least **35%** of EU defence market.
- **By 2030**, at least **50%** of procurement from the EDTIB, and **60% by 2035**
- **By 2030**, at least **40%** of collaborative procurement

# EDIP

## European Defence Industry Programme



# European Defence Industry Programme (EDIP)

- ✓ Budget TBD – 1.5B to 3B ?
- ✓ Finds its **roots in ASAP and EDIRPA**  
(ASAP and EDIRPA are meant to expire in 2025 – bridge towards next MFF )
- ✓ Tracks for intervention :
  - **support to MS Common Procurement**
  - **Industrial Ramp-Up**
  - **whole “Life-Cycle” approach in a multinational framework**
  - **Security of supply (regulatory pillar)**
  - **Governance**

# First operational measure of EDIS

## 3 main objectives to scale up Europe's defence industrial readiness

# EDIP

EDIP will strengthen the **competitiveness, resilience and responsiveness** of the European defence industry.



EDIP will enhance the **ability of the European Defence Industry to ensure the timely production, availability and supply of defence products.**



EDIP will contribute to the **recovery, reconstruction and modernisation of the Ukrainian defence industry**



## EDIP is structured around 4 pillars



### EDIP support to Ukraine

- Ukraine treated as much as possible as a Member State
- EU anticipates integration of Ukrainian defence industry into the EDTIB
- Concretely means:
  - ✓ most EDIP activities open to Ukraine (except European Defence Projects of Common Interest).
  - ✓ specific instrument to support the recovery, reconstruction and modernisation of the Ukrainian DTIB

# EUROPEAN DEFENCE FUND

**Thank you  
for your  
attention**

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