

EUROPEJSKI FUNDUSZ OBRONNY

Główne założenia & zasady aplikowania

Miłosz MOMOT

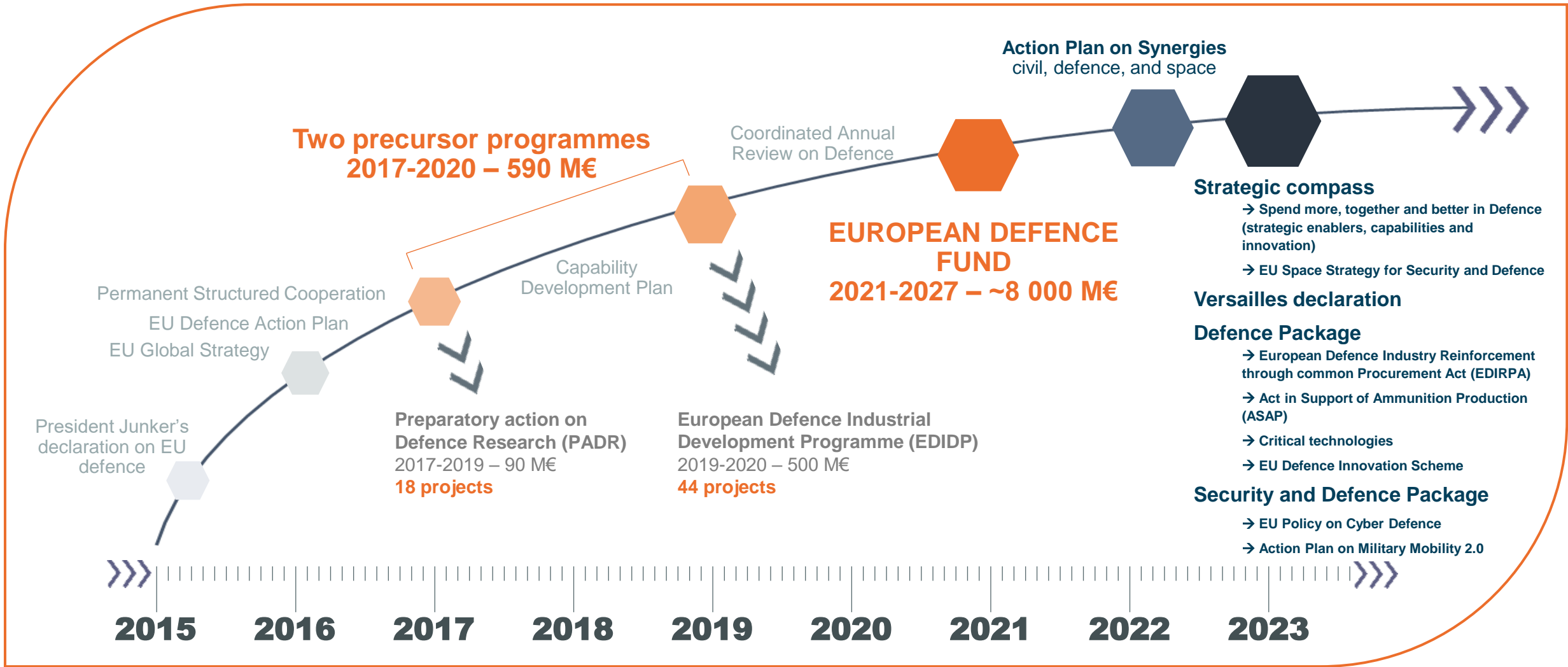
HoU DEFIS A.4

Dzień Informacyjny EDF

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Ramping-up EU's collaborative approach to defence capability building

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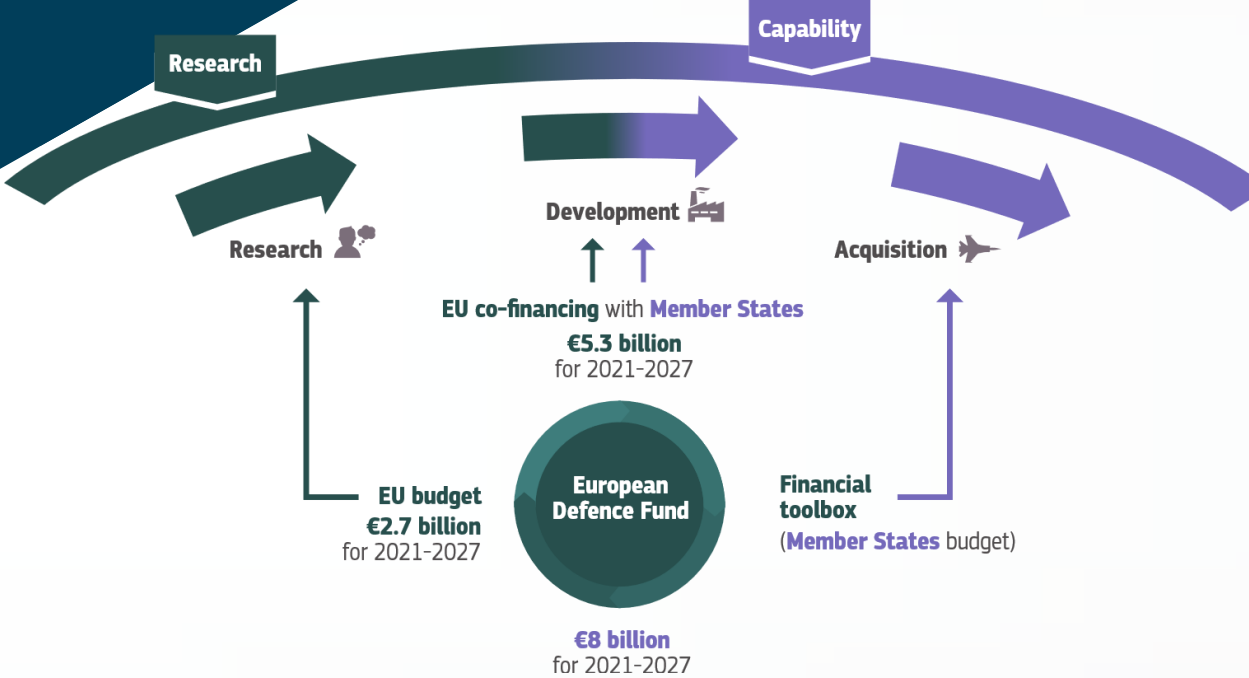


#EUDefenceIndustry

DEFENCE CROSS-BORDER R&D

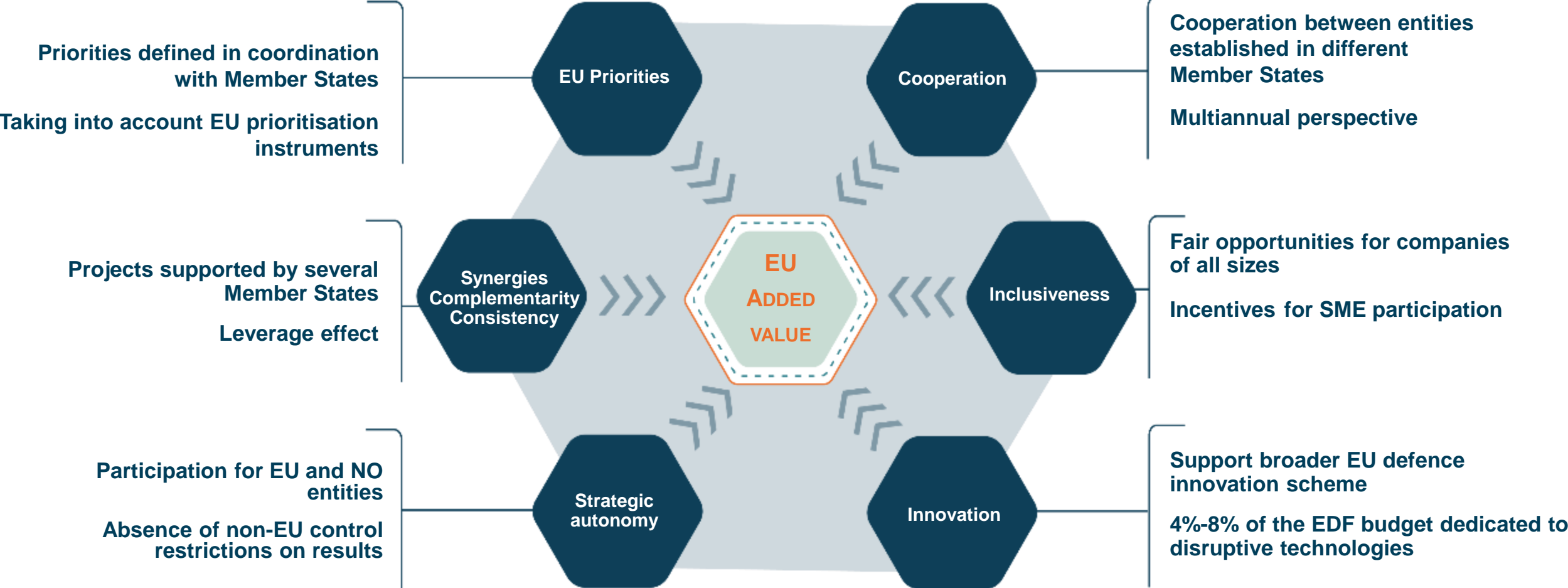
EDF - The EU defence R&D programme

2024



- **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**

General Principles governing implementation



EDF - key enabler in larger EU eco-system

20
24

- EDF annual Work programmes **informed by:**
 - **Strategic Compass:** critical capability gaps
 - **Capability Development Plan (CDP):** consistency with commonly agreed priorities
 - **Coordinated Annual Review on Defence (CARD):** opportunities for collaborative R&D
 - **Permanent Structured Cooperation (PESCO) projects**
 - **Synergies and complementarity** with other EU programmes
- EDF programming **informed by MS/NO co-financing & planning**, including regarding their NATO commitments (synergies and complementarity)



EDF implementation

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With the first 2 years of EDF:

- **High EU investment: €2 billion**
- **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

Evaluations currently ongoing

Results in May 2024

EDF 2024



~ €1.1 billion

32 call topics

Published 15 March 2024

Opening date 20 June 2024

Closing date **5 November 2024**

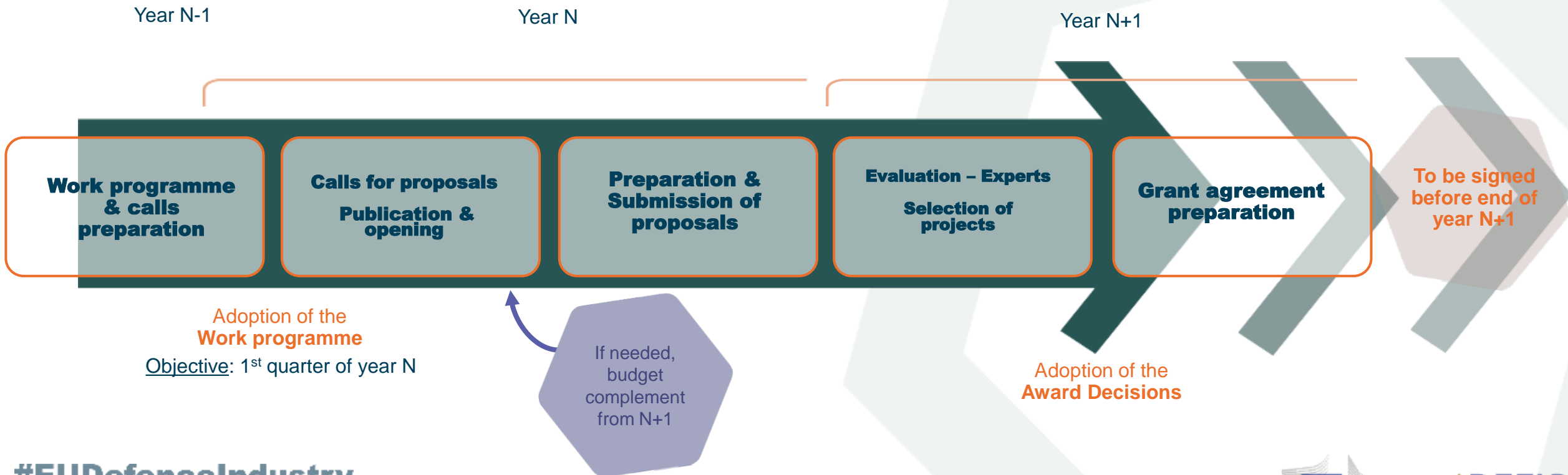
28-29 May
EDF Info Days
Brussels/hybrid

EDF Life-cycle

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24

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

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



EDF - Eligibility conditions

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Consortia: at least 3 eligible entities from 3 different MS/Norway (2 for disruptive call)

Recipients & main subcontractors + Infrastructure, facilities, assets and resources for the action located in EU or Norway

Entities established in 3rd countries can be associated if security-specific conditions are met, but no EDF financial support

Recipients and main subcontractors not subject to control by 3rd country/entity

Derogation possible if approved security-specific guarantees can be provided

No restrictions nor control by 3rd country/entity on results

Compliance with international law and high ethics standards

+ specific to development actions

Co-financing where needed

Harmonised defence capability requirements jointly agreed by at least 2 MS/NO for design

Intention to procure & common technical specifications for system prototyping + activities

EDF - Eligible actions

20
24

Activities:



Research actions: applied/fundamental research, exclusive focus on defence applications - <i>low TRL (up to 4/5)</i>								
100%	100%	100%	100%					
Development actions: defence oriented development (new/upgrade products/technologies) - <i>higher TRL (5-8)</i>								
Baseline:	65%	90%	65%	20%	45%	70%	70%	65%
@max bonus:	100%	100%	100%	55%	80%	80%	80%	100%

Support of at least two MS/NO (Lol, co-funding) is required



Bonus: ($\leq 35\%$ bonus): PESCO (10%), (cross-border) participation of SMEs

The bonus system: development actions

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Condition for application	Value of the bonus*
PESCO Bonus	
Action developed in context of the Permanent Structured Cooperation (PESCO)	+10% for all activities in the action
'Mid-cap' bonus	
% eligible costs allocated to 'Midcaps' established in the EU (and NO) \geq 15%	+10% for the activity
SME Bonus	
% eligible costs allocated to 'SMEs' established in the EU (and NO) \geq 10%	% of eligible costs allocated to ' non cross-border SMEs ' established in the EU and NO (maximum 5%) + 2 x % of eligible costs allocated to ' cross-border SMEs ' established in the EU and NO

Bonus system to **incentivise participation of SMEs and mid-caps**

* Overall bonus capped to 35%

EDF CATEGORIES OF ACTIONS

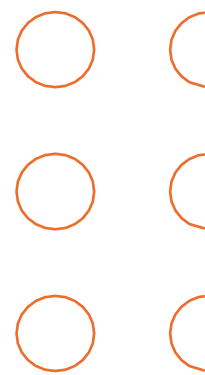
Addressed by annual work programmes & calls for proposals

2024



-  **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





2024

Published: 15 March 2024

32 topics

Submission Deadline: 5 November 2024

EUR 1.1 billion

 Medical Response & CBRN	<ul style="list-style-type: none"> SGA under FPA on medical countermeasures  SGA under FPA on medical countermeasures  	15 M€ 10 M€
 Information superiority	<ul style="list-style-type: none"> AI-based multifunctional aperture and transceiver  Defence multi-dimensional communication standard  Small UAS  MALE RPAS 	45 M€ 25 M€ 11 M€ 100 M€
 Sensors	<ul style="list-style-type: none"> Advanced radar technologies Multi-sensors integration for autonomous drone navigation (challenge, 2 topics) 	35 M€ 27 M€
 Cyber	<ul style="list-style-type: none"> Federated cyber ranges  	48 M€
 Space	<ul style="list-style-type: none"> Multi-source satellite image analysis (challenge, 2 topics) Secure waveform for satellite communications  	25 M€ 25 M€
 Digital transformation	<ul style="list-style-type: none"> Automated structural modelling for effect prediction 	15 M€
 Energy & Environment	<ul style="list-style-type: none"> Energy-independent and energy-efficient systems for military camps  	40 M€
 Materials & Components	<ul style="list-style-type: none"> Electronic components (spin-in)  	25 M€
 Air combat	<ul style="list-style-type: none"> Advanced air-to-air missiles Unmanned collaborative combat aircraft systems  Next generation rotorcraft 	35 M€ 15 M€ 100 M€
 Air & missile defence	<ul style="list-style-type: none"> Countering Hypersonic glide vehicles 	78 M€
 Ground combat	<ul style="list-style-type: none"> Intelligent weaponry and ammunition systems Unmanned ground systems  Beyond the line-of-sight close combat Armoured infantry fighting vehicle 	30 M€ 50 M€ 25 M€ 25 M€
 Protection & Mobility	<ul style="list-style-type: none"> Future mid-size tactical cargo aircraft 	30 M€
 Naval combat	<ul style="list-style-type: none"> Functional smart system-of-systems under integral survivability approach for future naval platforms 	45 M€
 Underwater warfare	<ul style="list-style-type: none"> Secured/adaptive underwater communications for UUVs  Autonomous heavy minesweeping system 	24 M€ 30 M€
 Simulation & training	<ul style="list-style-type: none"> Methods for bridging reality gaps (cascade funding)  Simulation and training for medical emergencies  	15 M€ 10 M€
 Disruptive technologies	<ul style="list-style-type: none"> Quantum technologies  Non-thematic research 	24 M€ 16 M€
 SMEs	<ul style="list-style-type: none"> Non-thematic research for SMEs and ROs Non-thematic development for SMEs 	34 M€ 33 M€
 Others	<ul style="list-style-type: none"> Business coaching for SMEs Blending facility for equity funding for SMEs/Mid-Caps Business accelerating services Matchmaking events for investors and SMEs EDF hackathon events 	1.6 M€ 20 M€ 2.6 M€ 0.6 M€ 1.2 M€

#EUDefence

Legend: **Research** **Development** **EUDIS-related**  **STEP**

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EDF Work Programme 2024: Example for opportunities for Space R&D

Topic/Budget	Title	Scope	Max. Nb of projects
EDF-24-LS-RA CHALLENGE-SPACE 15 M€	<i>Multi-source satellite image analysis – <u>Participation in a technological challenge</u></i>	<i>automatic detection, identification and characterisation of relevant information from multi-source satellite images</i>	Several up to 5M each
EDF-24-LS-RA CHALLENGE-SPACE 10 M€	<i>Multi-source satellite image analysis – <u>Organisation of a technological challenge</u></i>	<i>set up a testing environment to evaluate the performances of multi-source satellite image analysis systems</i>	1
EDF-2024-DA-SPACE-EPW 25 M€	Secure waveform for satellite communications	<i>bridging a shared and recognised gap in terms of European interoperable protected waveform for satellite communications in military applications</i>	1
EDF-2024-LS-RA-DIS-QUANT 24 M€	research actions targeting disruptive technologies for defence - Quantum technologies	<i>research into future-proof communication technologies, such as quantum communication or quantum-resistant cryptography</i>	Several
EDF-2024-LS-RA-SMERO-NT - 34 M€	Non-thematic research actions by SMEs and research organisations	<i>innovative technologies and solutions for defence</i>	Several up to 4M each
EDF-2024-LS-DA-SME-NT - 33 M€	Non-thematic development actions by SMEs	<i>innovative technologies and solutions for defence</i>	Several up to 6M each

**Thematic:
Space
CoA**

**Target
4M€ per
proposal**

EDF 2024 Calls - Indicative timeline

20
24

mid June 2024

5 November 2024

June 2025

Q4 2025

Nov./Dec. 2025

Opening of EDF
2024 on the
Funding & Tender
Portal

Final submission
deadline for EDF
2024 calls

Information to
applicants on
evaluations
results

Signature of Grants
Agreements with
awarded
proposals/consortia

Projects
Implementation

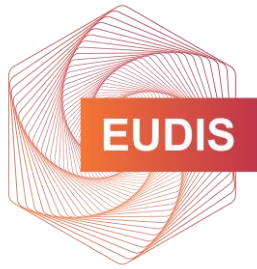
1- Grant
Agreement
Preparation

2- GA
signature

3- Project
management

4- End of the
project

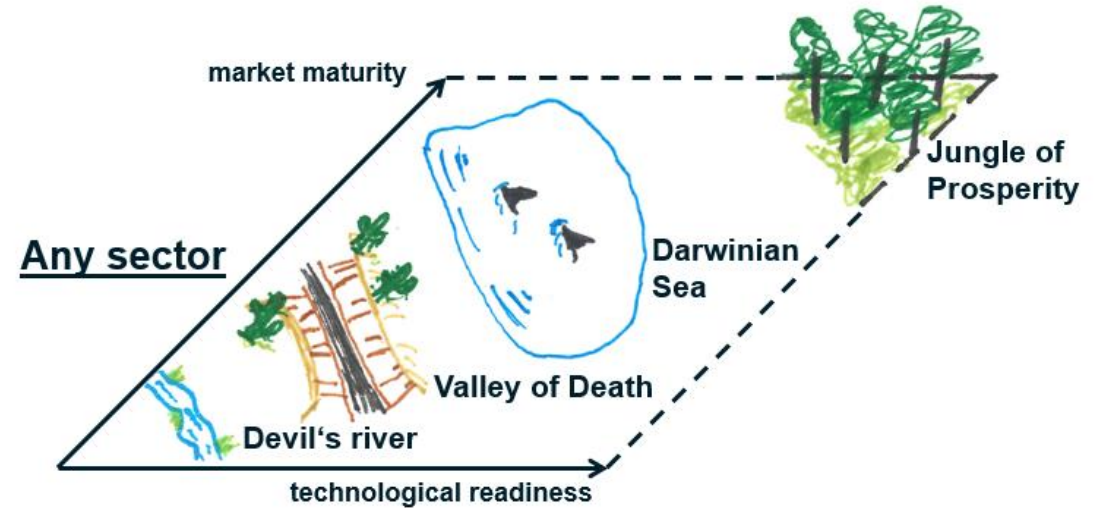
Establishment of the
Security Framework



EU Defence Innovation Scheme (EUDIS)

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
- Many opportunities, depending on **innovation maturity level**
- Investment ambition close to **€ 2 billion until 2027**
- **Integrated in the EDF**
- **Five tracks** combine calls & SME support services



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

Also good to know

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)

Call for experts: profile (1/2)

20
24

Experts assist the Commission in the assessment of the proposals submitted to the EDF 2024 (and later) calls

Expertise in **technical areas, ethics or in financial assessment** of defence related activities



CBRN medical countermeasures
CBRN detection



Aircraft configurations
Air Traffic Management



Unmanned systems
Manned-Unmanned teaming



C4ISR
Signal transmission



AI and its evaluation
Databases



Missile defence
warheads



Sonar, radar, optical ...
Data fusion



Synthetic fuels
Batteries



Collaborative
Combat



Cyber defence
Exercises and trainings



Electronics manufacturing
Advanced materials



Protection
Soldier systems



Shipbuilding
Naval architecture



Camouflage



Electronic warfare
Command posts

...

Call for experts: profile (2/2)

20
24



Call for experts: registration

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24

At any time:

Register or update your **profile** in the EU experts database with relevant **fixed and free text keywords**

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>

Send an email with your CV + registration number to **ec-edf-experts@ec.europa.eu**

More information on our website under 'Funding and Grants' > 'Space and Defence related funding'

https://defence-industry-space.ec.europa.eu/calls-tenders/defence-industry-call-experts-assist-european-commission-evaluation-proposals-submitted-funding_en

The screenshot shows the 'Work as an expert' page on the EU Funding & Tenders Portal. The page header includes the European Commission logo and navigation tabs: Home, Funding, Procurement, Projects & results, News & events, Work as an expert (highlighted), and Guidance & documents. A search bar and 'Sign in' button are in the top right. The main content area is titled 'Work as an expert' and lists the reasons for needing experts: assessing applications, monitoring projects, and giving advice. It includes a 'Register as expert' button and a note that new experts must create an account. Below, there are sections for 'Calls for expressions of interest for experts' (with links for 2021-2027 and 2014-2020) and 'Working materials' (with links for briefing slides and information for monitors). A right-hand sidebar features a photo of a woman working at a laptop, 'Useful links' (Helpdesk and Support Services, FAQ for Experts, Experts dashboard, List of contracted experts), and 'Contracts & remuneration' (Model contract for evaluators).

Useful links

20
24

- [General information on the EDF on DG DEFIS website](#)
(including EDF annual work programmes and multiannual perspective, and selected projects)
- [EDF Calls for proposals on the *Funding and Tenders portal*](#) (where and how to apply)
- [EDF Reference documents on the *Funding and Tenders portal*](#)
(Regulation, conditions to apply, submission templates, model grant agreements, etc.)
- [European Defence Innovation Scheme](#)
- [National Focal Points Network](#)
- [Call for Experts](#)

**Dziękuję za
uwagę**

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