



ASSOLOMBARDA



CONFINDUSTRIA  
Lombardia



# European Defence Fund

Strumento di convergenza delle politiche industriali della difesa (nazionali) a supporto della EDTIB

Speaker

Col. Andrea TRUPPO – National Armament Director Representative to the EU

12 giugno 2024

Consolidamento del progetto Europeo

Art. 4 TEU

Difesa Comune

Art. 42 TEU

Systemic Competition

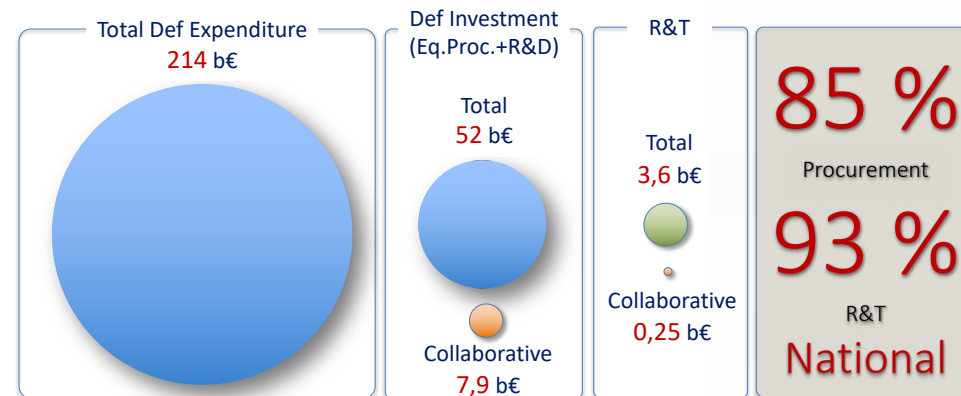
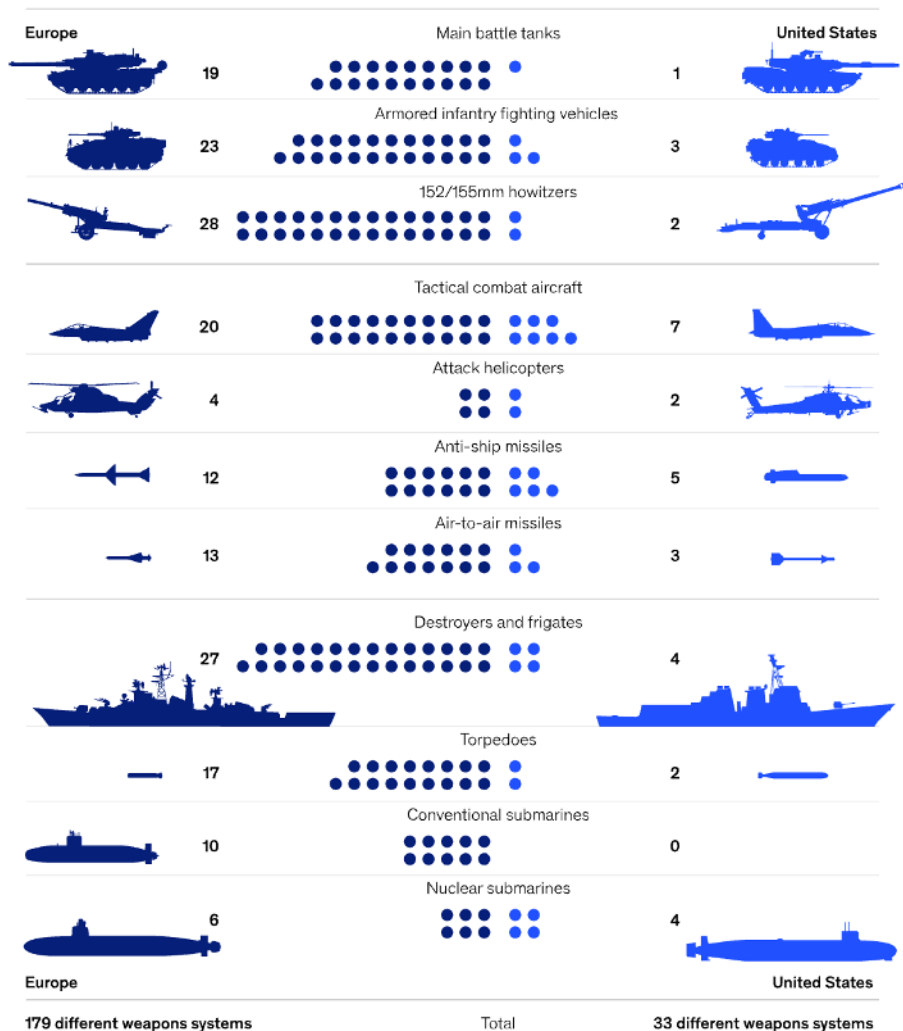
Supporto alla EDTIB

Art. 173 TFEU

Grand Strategy

Business Opportunity





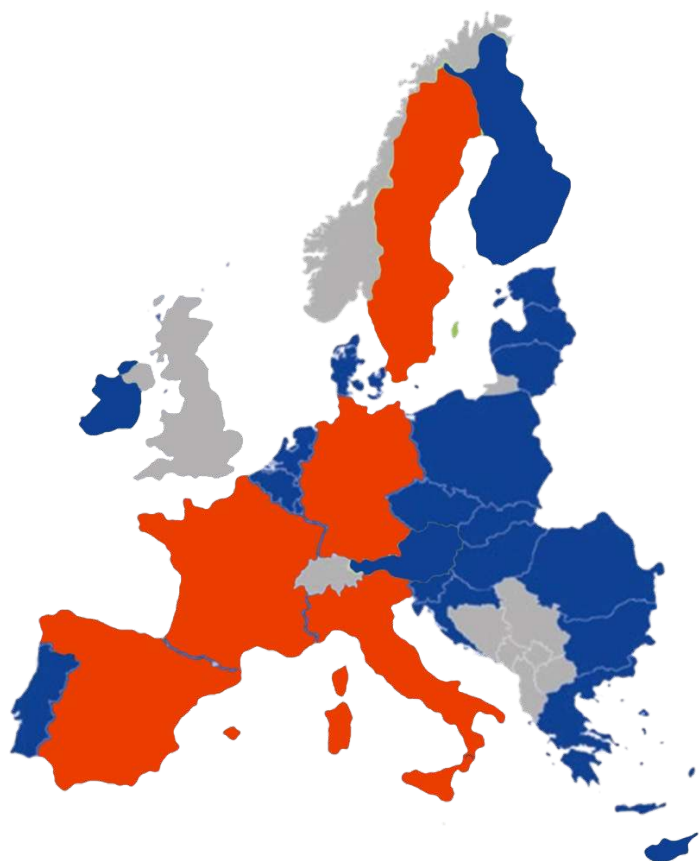
*Un soldato europeo in OFCN costa  
mediamente **310.000€/Y**  
Più di un soldato americano*

*@1/3 EU/US budget difesa  
1/10 EU/US efficacia operative*

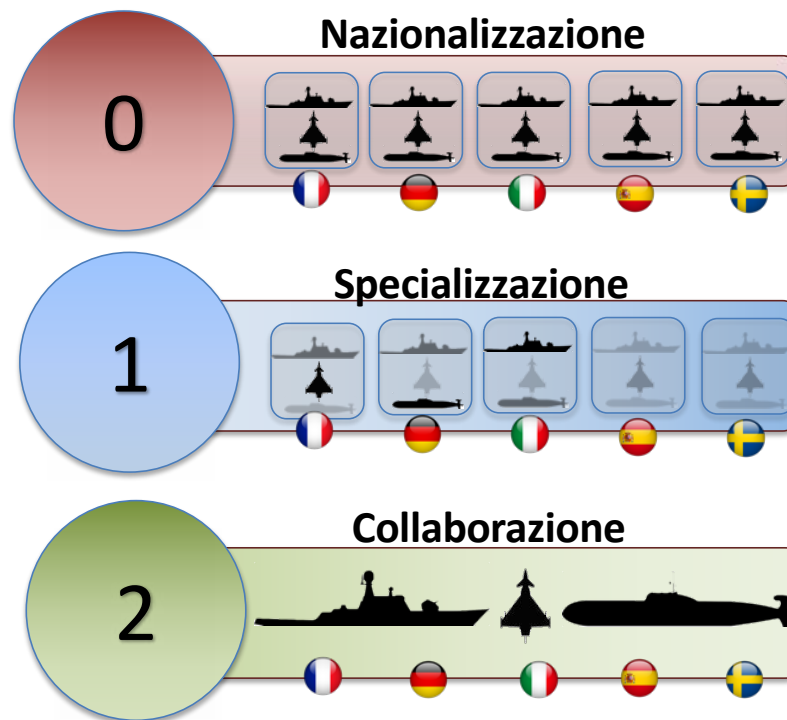
***80% spesa difesa per sistemi NON-EU***

Source: McKinsey analysis based on data taken from 'The Military Balance 2018' published by the International Institute for Strategic Studies (IHS) and 'The Military Balance 2018' published by the International Institute for Strategic Studies (IHS) and 'The Military Balance 2018' published by the International Institute for Strategic Studies (IHS).



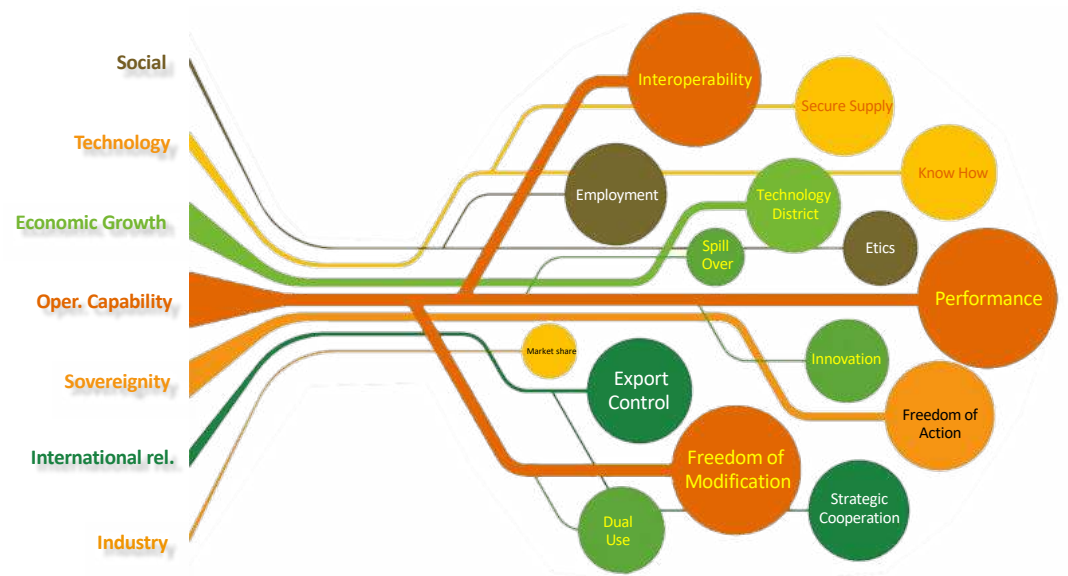
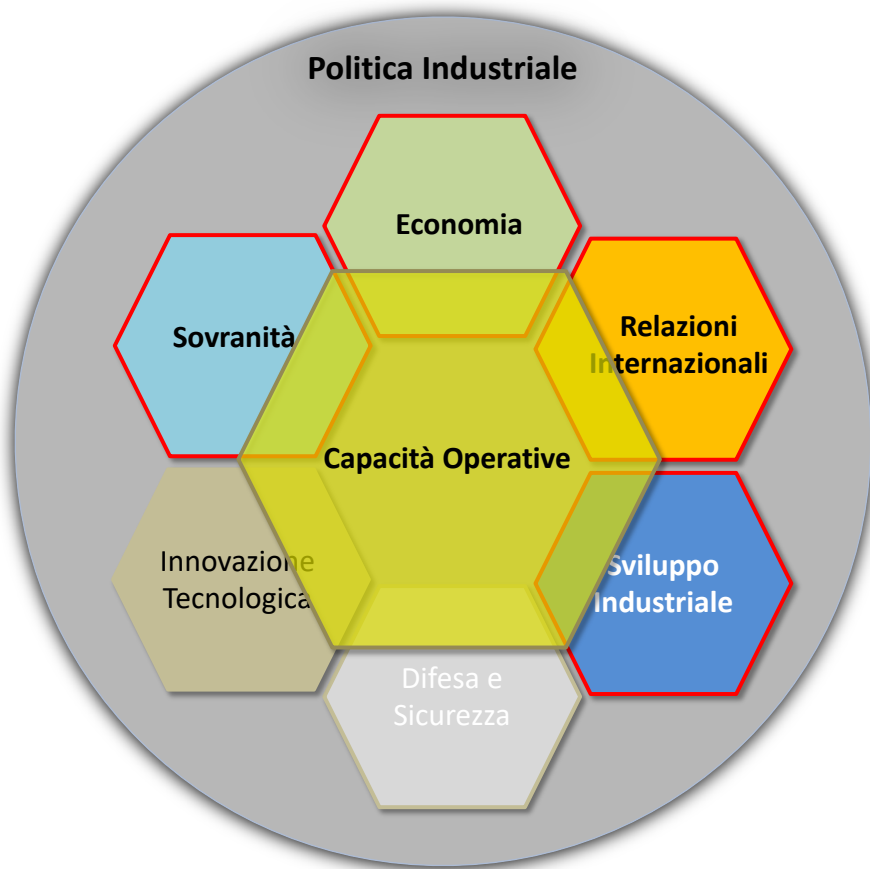


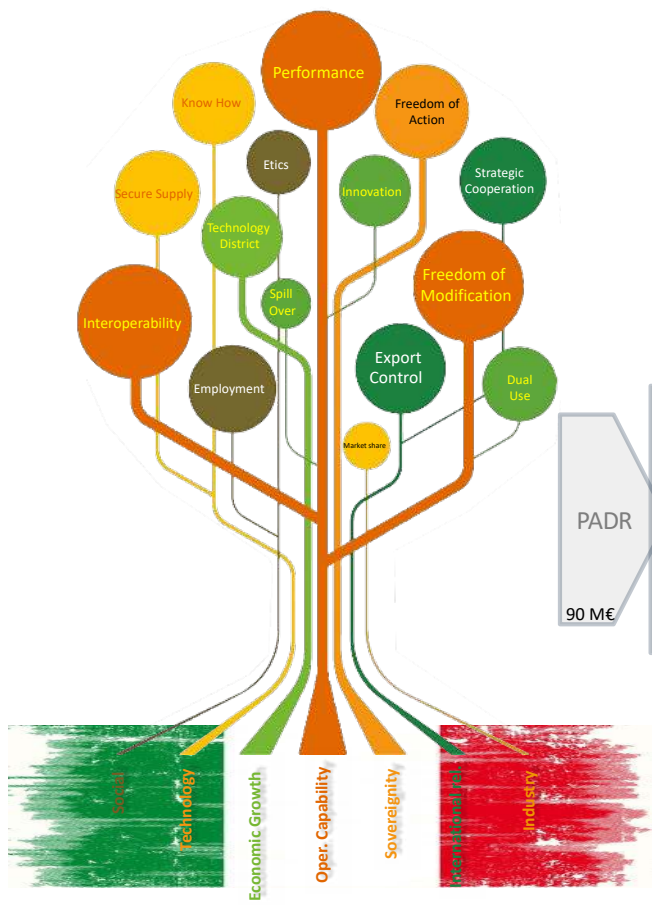
 MS con DTIB forte  
 MS con DTIB debole



# NEGOTIATION







PADR  
90 M€

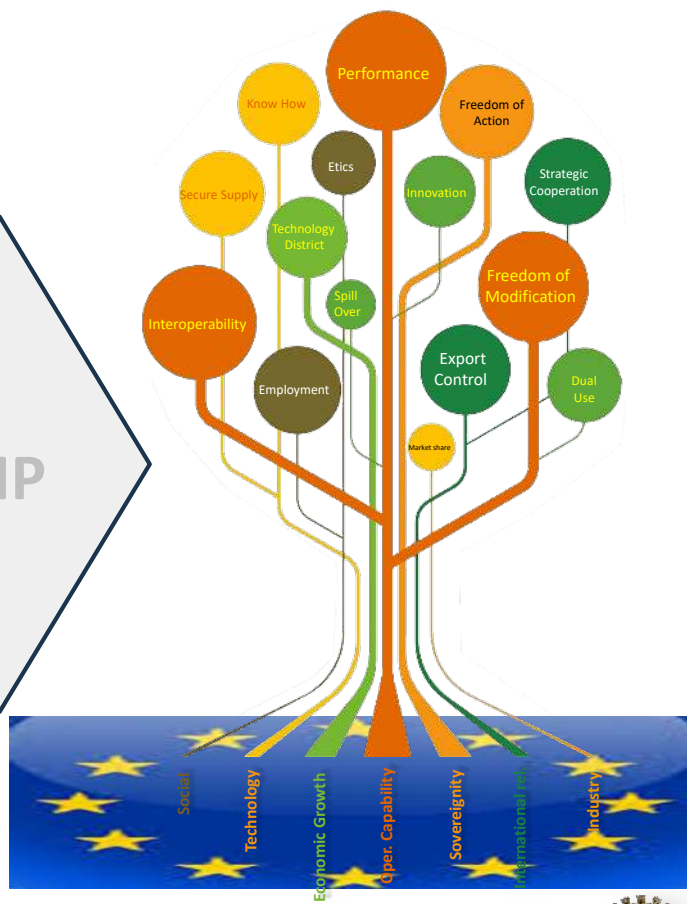
EDIDP  
500 M€

**EDF**  
7.953 M€

EDIRPA  
310 M€

ASAP  
513 M€

**EDIP**  
1.500 + ??? M€



National Dev.  
Programme

**EDF**

**EDIP**

International  
Cooperation

Non-EU  
Off the Shelf

1

Promuove Cooperazione Transfrontaliera

Min 3 Entità in 3 MS

2

Riduce dipendenza tecnologica

Tecnologia EU

3

Mercato competitivo

Valutazione secondo logica “best VFM”

.....

Supporto SMEs-MidCap

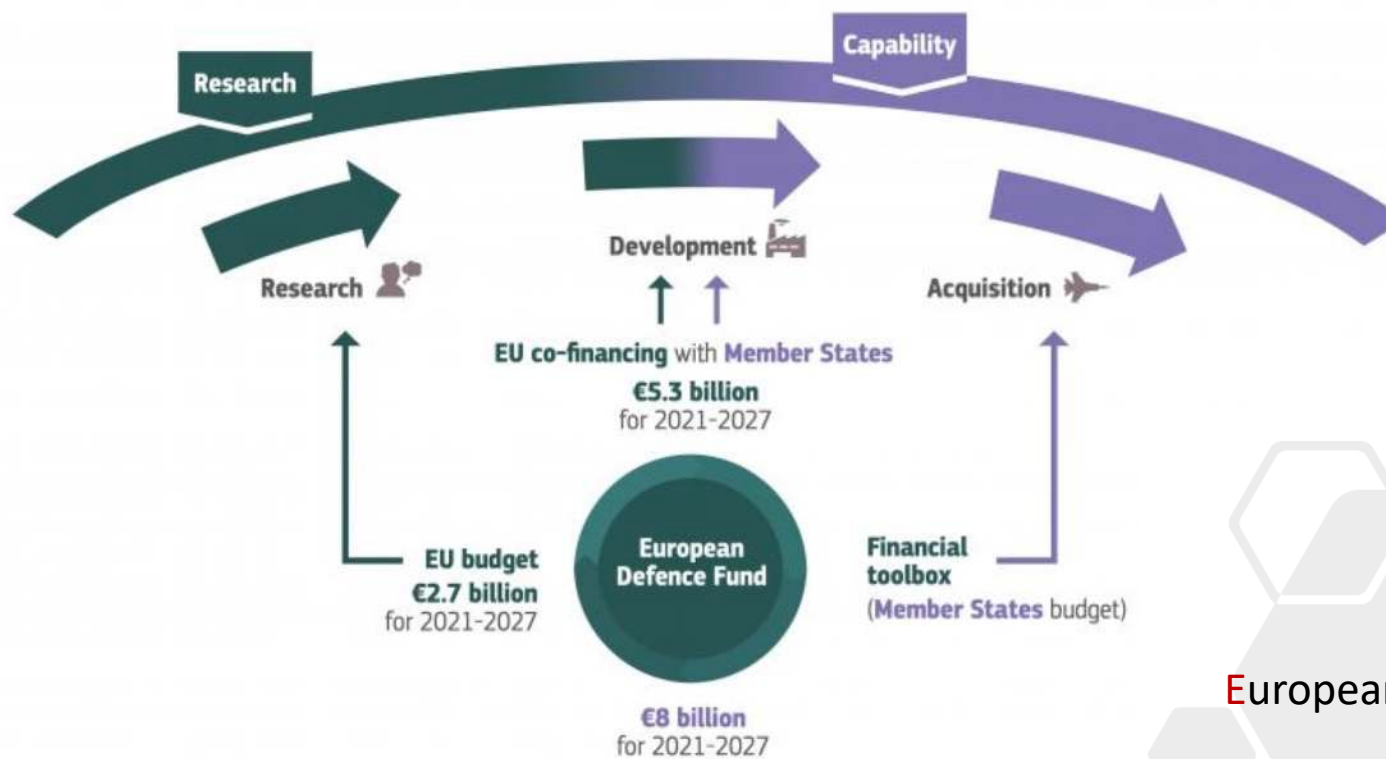
Bonus (10% MidCap – SME up to 35%)

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## TAILORED SUPPORT TO ENTIRE CYCLE OF R&D PROJECTS



**EDF**  
European Defence Fund

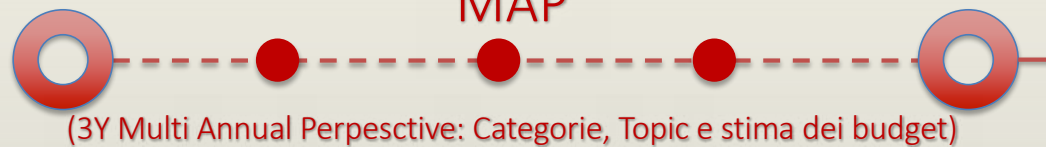


European  
Commission

PC

DG DEFIS

MAP



WP



Calls



Grants



# EDF Categories of Actions

Addressed by annual work programmes  
& calls for proposals



INFO  
DAYS | 20  
24

-  **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)**

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13



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# EDF Work Programme 2024

EUR ~1.10 billion

INFO  
DAYS | 20  
24

34 topics

Opening of the calls: 20 June 2024

Deadline for submission: 5 Nov. 2024 17.00 CET

|                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Medical Response &amp; CBRN</b>  | <ul style="list-style-type: none"> <li>SGA under FPA on medical countermeasures* (STEP) 15 M€</li> <li>SGA under FPA on medical countermeasures* (STEP) 10 M€</li> </ul>                                                                                                                                                                                                             |
|  <b>Information superiority</b>      | <ul style="list-style-type: none"> <li>AI-based multifunctional aperture and transceiver (STEP) 45 M€</li> <li>Defence multi-dimensional communication standard (STEP) 25 M€</li> <li>Small UAS (STEP) 11 M€</li> <li>MALE RPAS 100 M€</li> </ul>                                                                                                                                    |
|  <b>Sensors</b>                      | <ul style="list-style-type: none"> <li>Advanced radar technologies 35 M€</li> <li>Multi-sensors integration for autonomous drone navigation (challenge, 2 topics) 27 M€</li> </ul>                                                                                                                                                                                                   |
|  <b>Cyber</b>                        | <ul style="list-style-type: none"> <li>Federated cyber ranges (STEP) 48 M€</li> </ul>                                                                                                                                                                                                                                                                                                |
|  <b>Space</b>                        | <ul style="list-style-type: none"> <li>Multi-source satellite image analysis (challenge, 2 topics) 25 M€</li> <li>Secure waveform for satellite communications (STEP) 25 M€</li> </ul>                                                                                                                                                                                               |
|  <b>Digital transformation</b>       | <ul style="list-style-type: none"> <li>Automated structural modelling for effect prediction 15 M€</li> </ul>                                                                                                                                                                                                                                                                         |
|  <b>Energy &amp; Environment</b>    | <ul style="list-style-type: none"> <li>Energy-independent and energy-efficient systems for military camps (STEP) 40 M€</li> </ul>                                                                                                                                                                                                                                                    |
|  <b>Materials &amp; Components</b> | <ul style="list-style-type: none"> <li>Electronic components (spin-in) (STEP) 25 M€</li> </ul>                                                                                                                                                                                                                                                                                       |
|  <b>Air combat</b>                 | <ul style="list-style-type: none"> <li>Advanced air-to-air missiles 35 M€</li> <li>Unmanned collaborative combat aircraft systems (STEP) 15 M€</li> <li>Next generation rotorcraft 100 M€</li> </ul>                                                                                                                                                                                 |
|  <b>Air &amp; missile defence</b>  | <ul style="list-style-type: none"> <li>Countering Hypersonic glide vehicles 78 M€</li> </ul>                                                                                                                                                                                                                                                                                         |
|  <b>Ground combat</b>              | <ul style="list-style-type: none"> <li>Intelligent weaponry and ammunition systems 30 M€</li> <li>Unmanned ground systems (STEP) 50 M€</li> <li>Beyond the line-of-sight close combat 25 M€</li> <li>Armoured infantry fighting vehicle 25 M€</li> </ul>                                                                                                                             |
|  <b>Protection &amp; Mobility</b>  | <ul style="list-style-type: none"> <li>Future mid-size tactical cargo aircraft 30 M€</li> </ul>                                                                                                                                                                                                                                                                                      |
|  <b>Naval combat</b>               | <ul style="list-style-type: none"> <li>Functional smart system-of-systems under integral survivability approach for future naval platforms 45 M€</li> </ul>                                                                                                                                                                                                                          |
|  <b>Underwater warfare</b>         | <ul style="list-style-type: none"> <li>Secured/adaptive underwater communications for UUVs (STEP) 24 M€</li> <li>Autonomous heavy minesweeping system 30 M€</li> </ul>                                                                                                                                                                                                               |
|  <b>Simulation &amp; training</b>  | <ul style="list-style-type: none"> <li>Methods for bridging reality gaps (cascade funding) (STEP) 15 M€</li> <li>Simulation and training for medical emergencies (STEP) 10 M€</li> </ul>                                                                                                                                                                                             |
|  <b>Disruptive technologies</b>   | <ul style="list-style-type: none"> <li>Quantum technologies (STEP) 24 M€</li> <li>Non-thematic research 16 M€</li> </ul>                                                                                                                                                                                                                                                             |
|  <b>SMEs</b>                     | <ul style="list-style-type: none"> <li>Non-thematic research for SMEs and ROs 34 M€</li> <li>Non-thematic development for SMEs 33 M€</li> </ul>                                                                                                                                                                                                                                      |
|  <b>Others</b>                   | <ul style="list-style-type: none"> <li>External expertise, audits, studies, IT, indirect management 7.6 M€</li> <li>Business coaching for SMEs 1.6 M€</li> <li>Blending facility for equity funding for SMEs/Mid-Caps 20 M€</li> <li>Business accelerating services 2.6 M€</li> <li>Matchmaking events for investors and SMEs 0.6 M€</li> <li>EDF hackathon events 1.2 M€</li> </ul> |

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\* subject to restricted calls

Legend: Research Development EUDIS-related STEP

27



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# EDF 2024 Topic Structure

INFO  
DAYS | 20  
24

- Each proposal shall be submitted against one topic
  - Each topic is structured in sections
    - Objectives (General/Specific) } Context setting and description of problem/shortfall to be solved/addressed (capability, technology, operational,...)
    - Scope }  **Mandatory unless otherwise specified in the text**  
→ **Eligibility of the action**
    - Types of activities (\*) }
    - Functional requirements } Compliance evaluated in award criteria
    - Expected impact }
- 1 2 3 4 5 6 7 8

(\*) Article 10(3) of EDF regulation: a) generating knowledge; b) integrating knowledge; c) studies; d) design; e) prototyping; f) testing; g) qualification; h) certification; i) increasing efficiency



## Award criteria

**INFO  
DAYS** | **20  
24**



**Criteria 1, 2, 3, 4, 5 and 8  
Applicable to all calls  
(Research and Development)**

**Criteria 6 & 7 only applicable  
to Development calls**

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88



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## EDF 2021

€1.17 billion

60 projects  
selected

142 proposals  
submitted

692 entities from 26  
MS + NO  
43% SMEs

18.4% of overall  
budget allocated to  
SMEs

## EDF 2022

€0.83 billion

41 projects  
selected

134 proposals  
submitted

550 entities from 26  
MS + NO  
39% SMEs

19.8% of overall  
budget allocated to  
SMEs

## EDF 2023

€1.135 billion

2 projects  
+ 54 proposals  
selected

238 proposals  
submitted

581 entities from 26  
MS + NO  
42% SMEs

18% of overall budget  
allocated to SMEs

In average, 17 entities from 8 Member States and Norway involved in a single project  
Overall, entities from 26 Member States and Norway

15



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Bandi **36(5)/39**

Grants **152M=13%**

Partec. **136**

**31(x)/yy**

**113M=13,7%**

**100**

**36(8)/81**

**202M=17,8%**

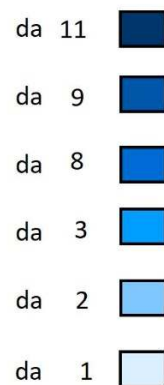
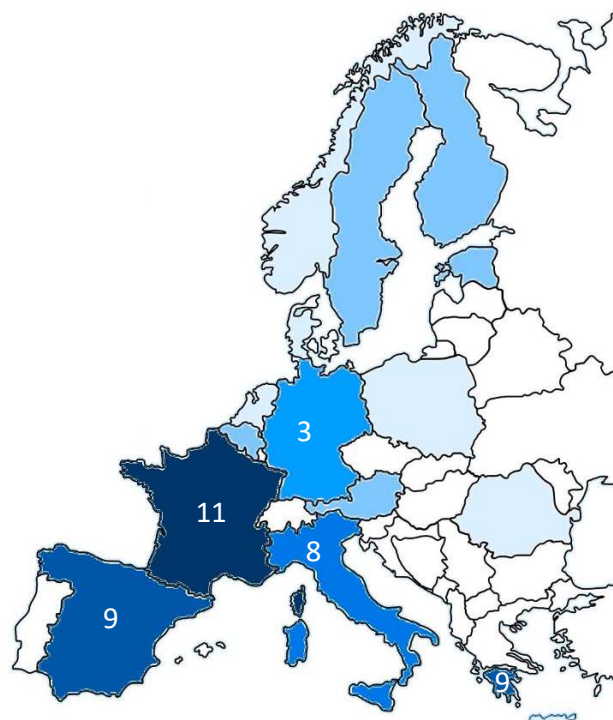
**294**



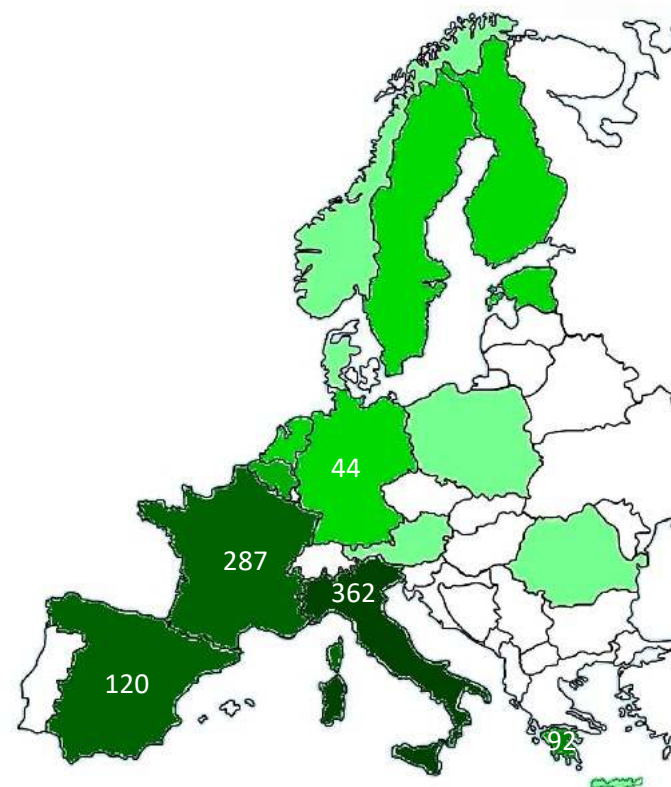
## Lead Nations

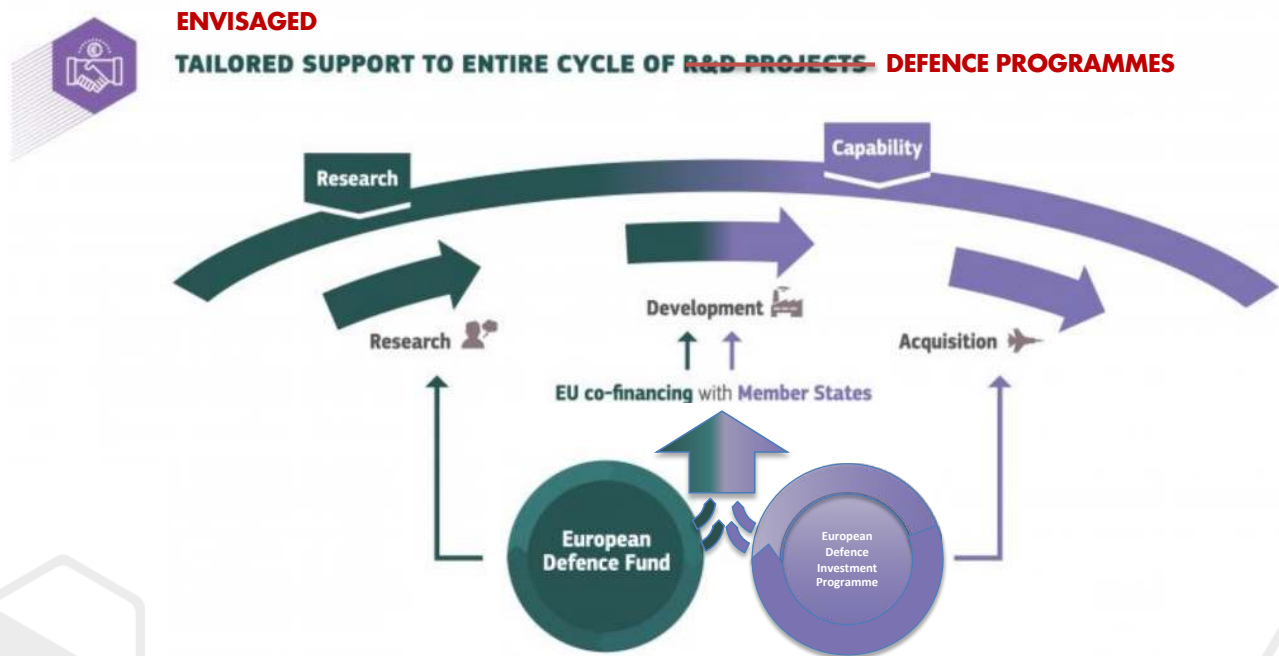
2023

### Progetti selezionati



### Valore grants

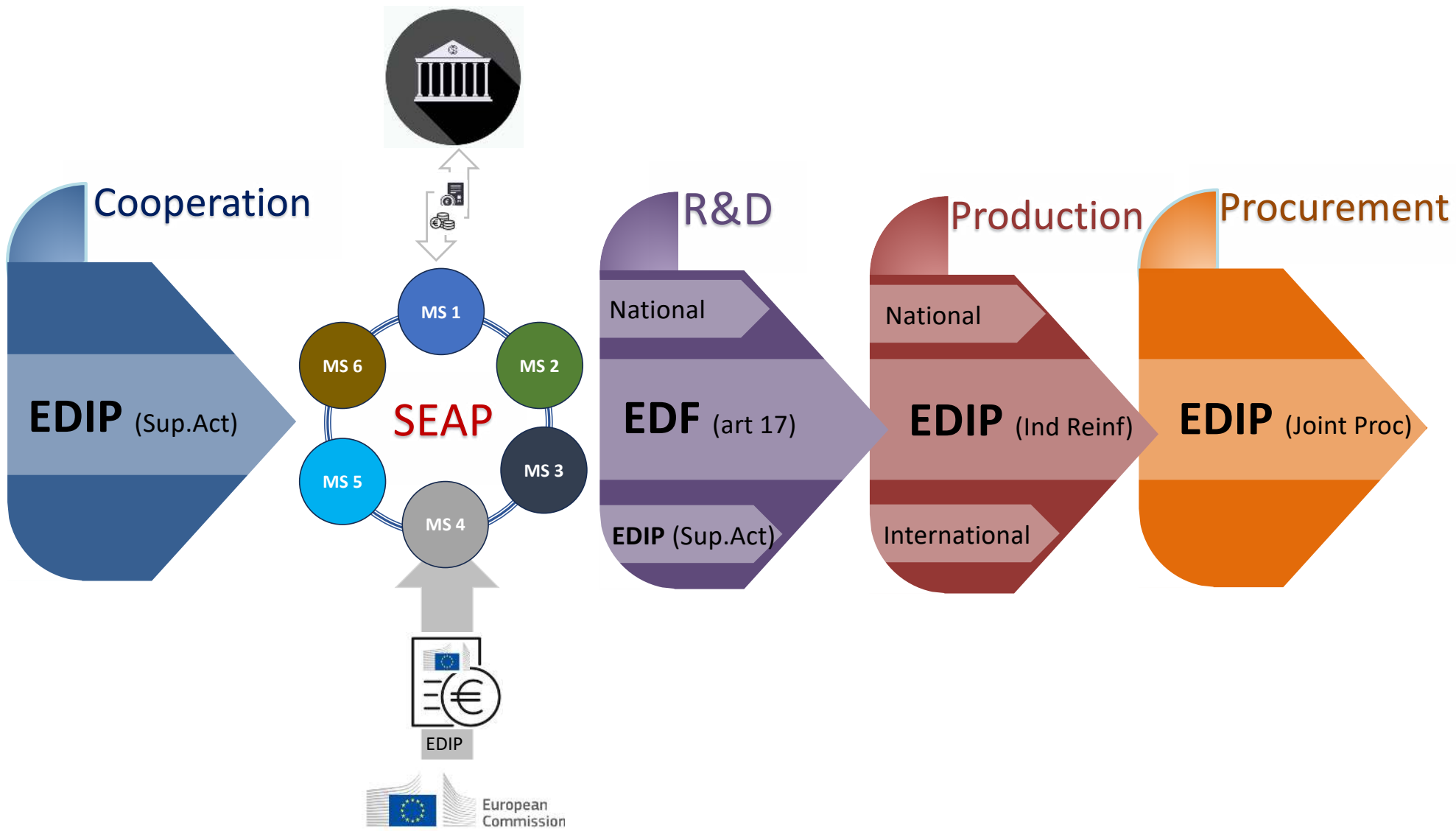




**EDF**  
European Defence Fund  
**8** bln €



**EDIP**  
European Defence  
Industry Programme  
**1.5+** bln €



## Conclusioni

- Verso un mercato della difesa più:
  - dinamico,
  - internazionale,
  - competitivo.
- Necessario:
  - approccio sistemico,
  - network internazionale,
  - conoscenza degli obiettivi strategici.

