



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

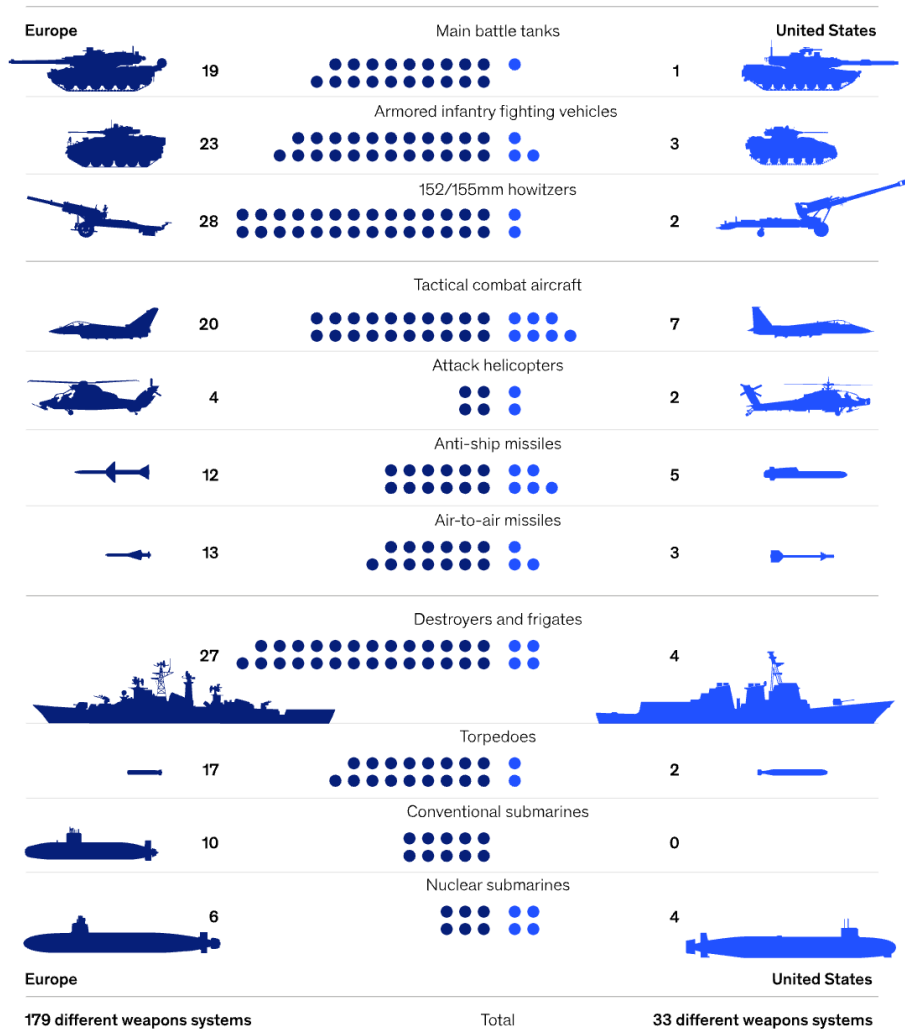
Supporto alla EDTIB

Art. 173 TFEU

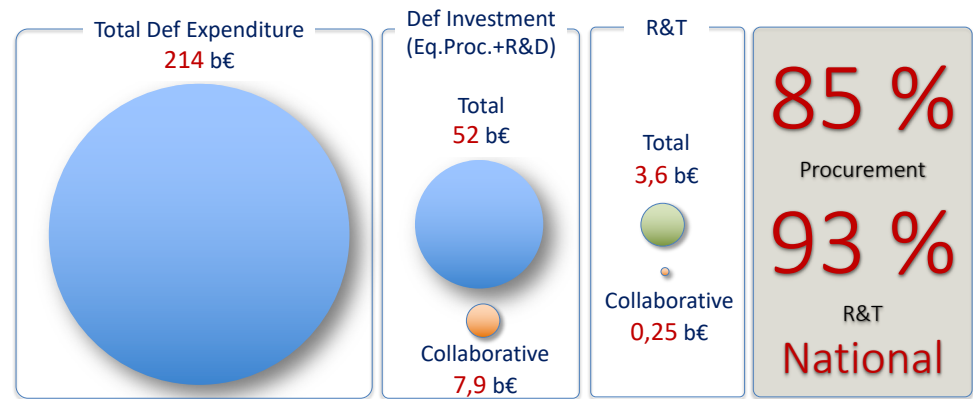
Grand Strategy

Business Opportunity





Source: McKinsey analysis based on data taken from *The Military Balance 2023*, published by The International Institute for Strategic Studies (reproduced with permission)

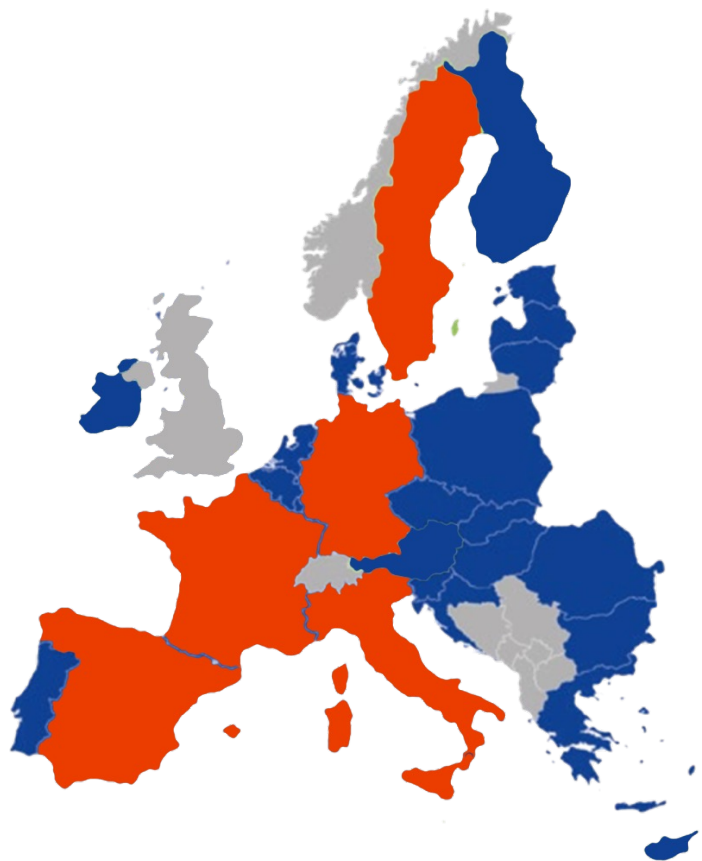




Un soldato europeo in OFCN costa mediamente 310.000€/Y
Più di un soldato americano

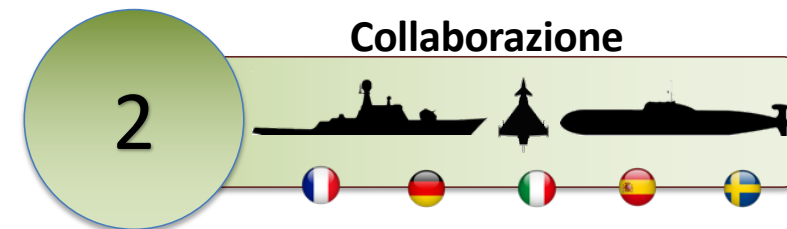
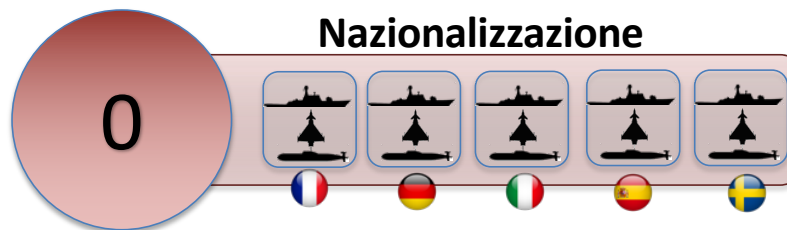
@1/3 EU/US budget difesa
1/10 EU/US efficacia operative

80% spesa difesa per sistemi NON-EU



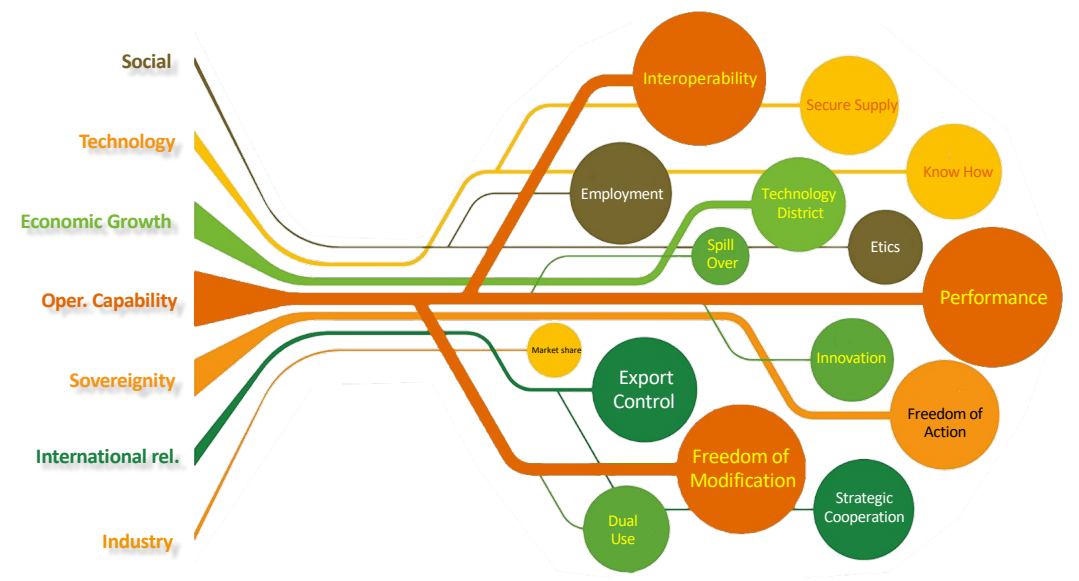
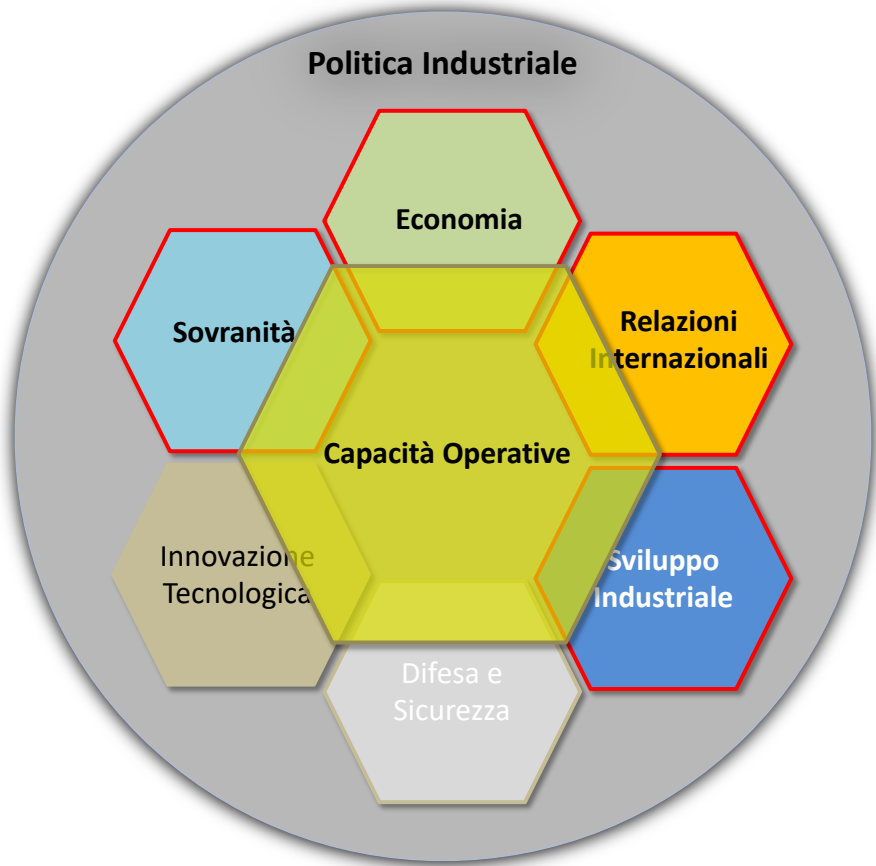


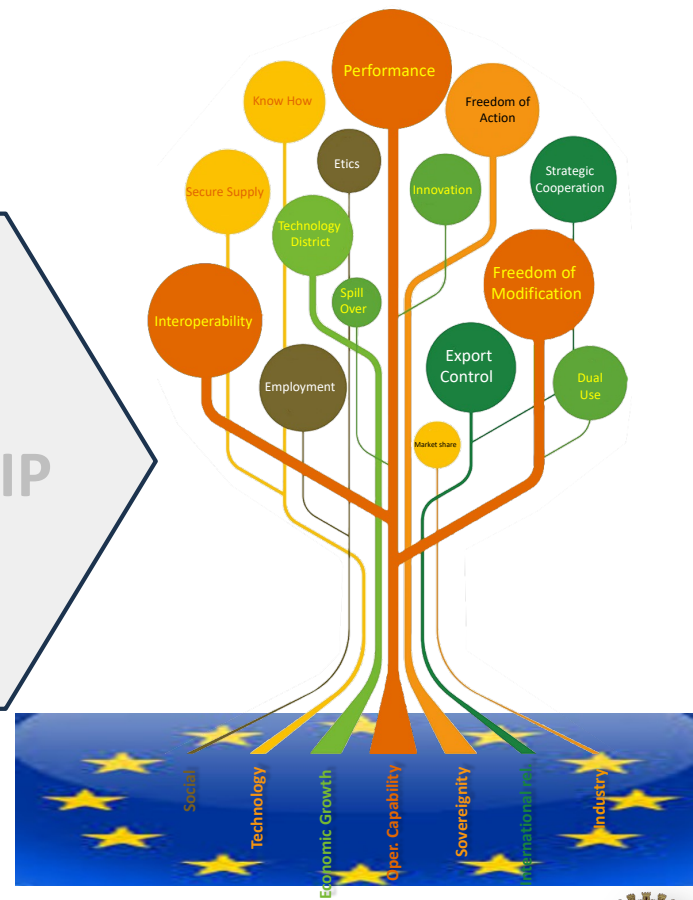
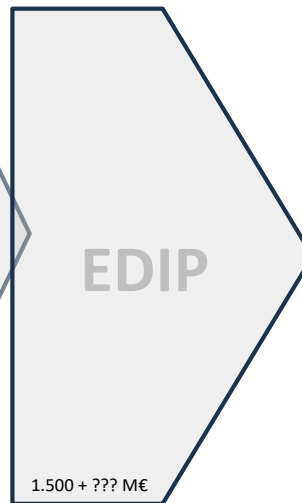
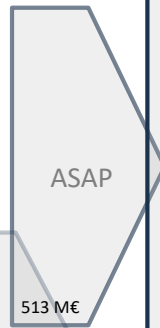
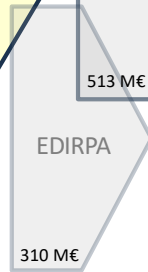
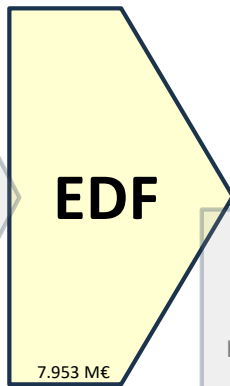
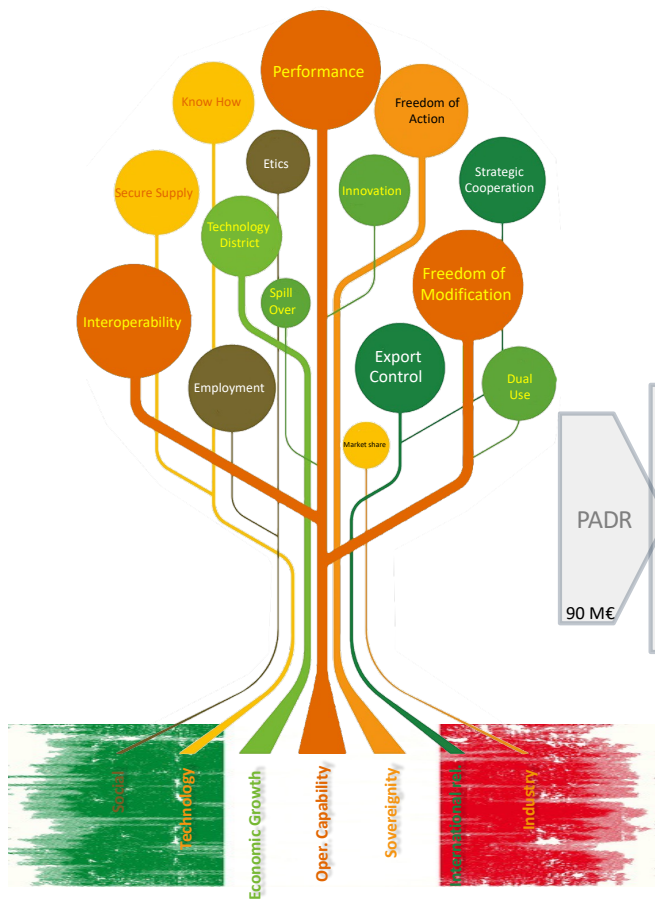
 MS con DTIB forte
 MS con DTIB debole



NEGOTIATION







National Dev.
Programme

Non-EU
Off the Shelf

EDF

EDIP

International
Cooperation

1 Promuove Cooperazione Transfrontaliera

Min 3 Entità in 3 MS

2 Riduce dipendenza tecnologica

Tecnologia EU

3 Mercato competitivo

Valutazione secondo logica "best VFM"

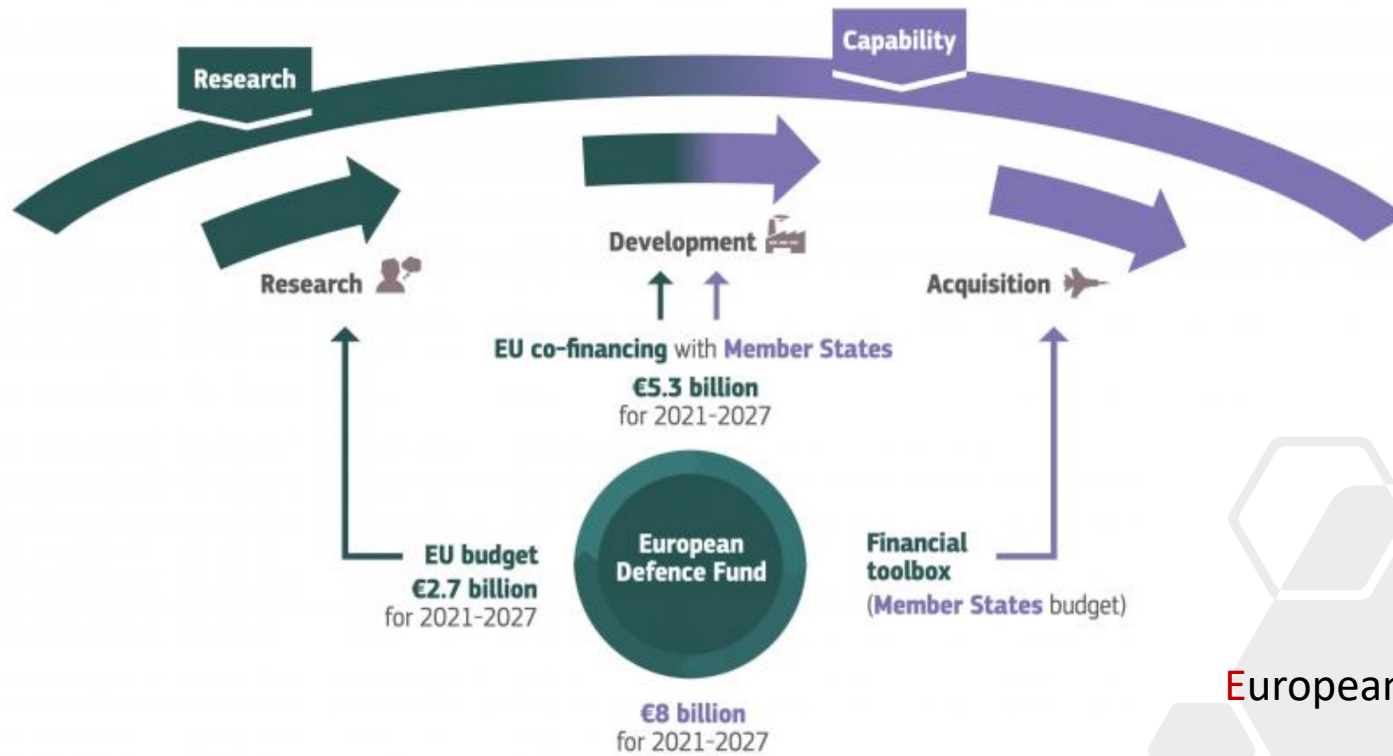
..... Supporto SMEs-MidCap

..... Bonus (10% MidCap – SME up to 35%)





TAILORED SUPPORT TO ENTIRE CYCLE OF R&D PROJECTS



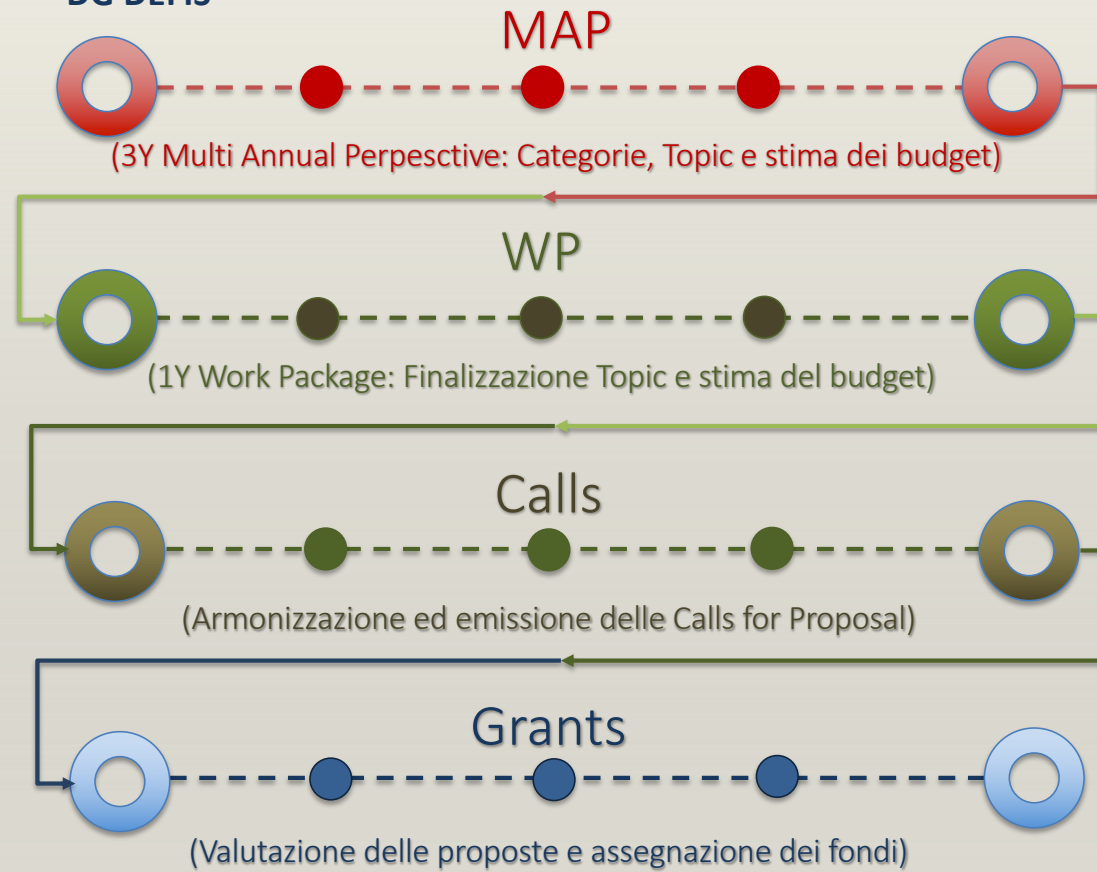


DG DEFIS



European
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EDF Categories of Actions

Addressed by annual work programmes & calls for proposals



INFO DAYS | 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)**

#EUDefenceIndustry



EDF Work Programme 2024

EUR ~1.10 billion

INFO DAYS | 2024

34 topics

Opening of the calls: 20 June 2024

Deadline for submission: 5 Nov. 2024 17.00 CET

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

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* subject to restricted calls

Legend: Research Development EUDIS-related (STEP)

27

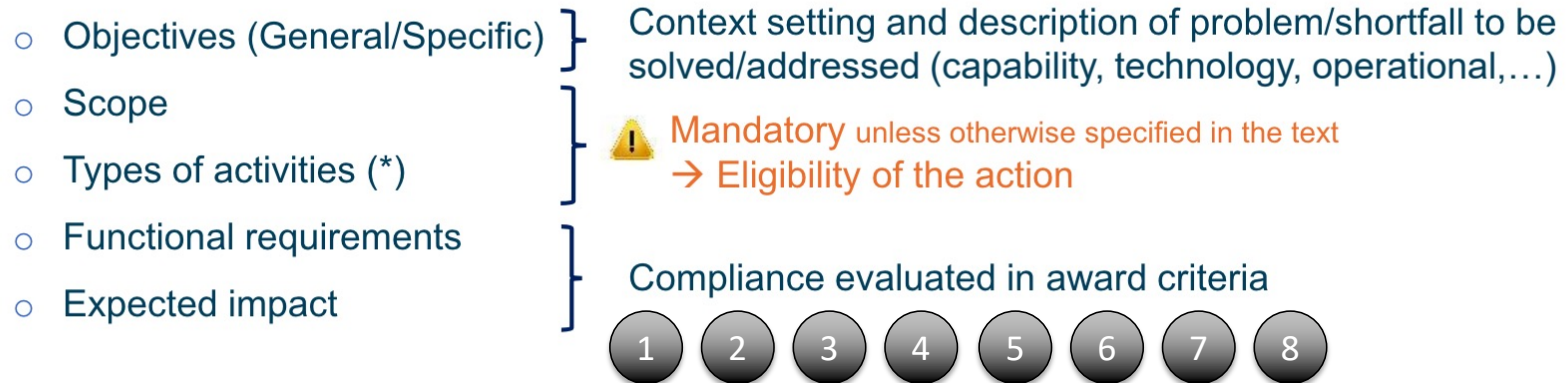


DEFIS



EDF 2024 Topic Structure

- Each proposal shall be submitted against one topic
- Each topic is structured in sections

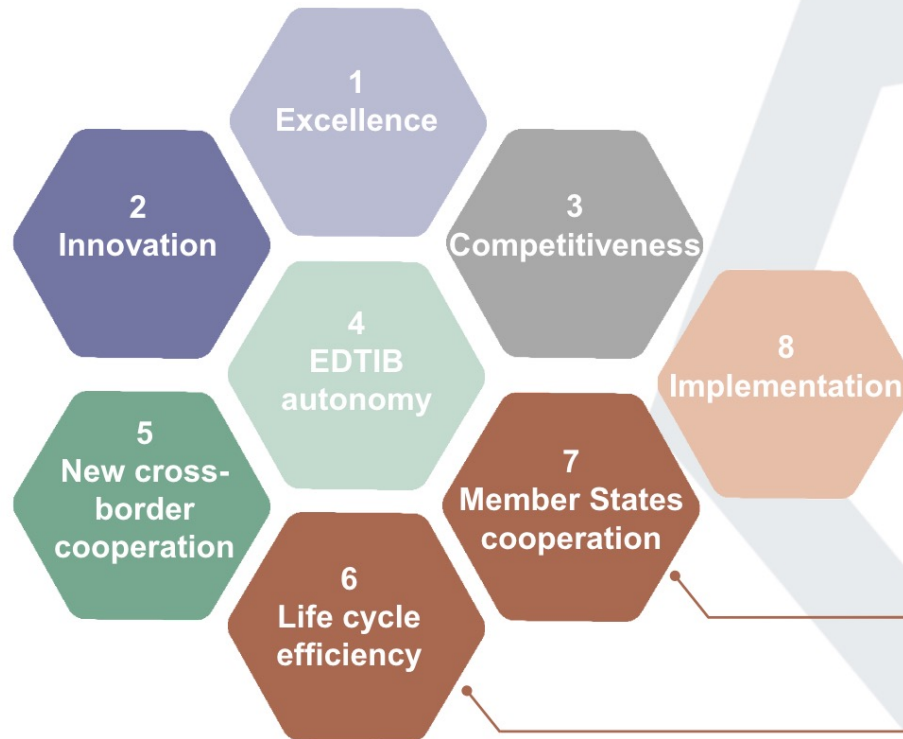


(*) Article 10(3) of EDF regulation: a) generating knowledge; b) integrating knowledge; c) studies; d) design; e) prototyping; f) testing; g) qualification; h) certification; i) increasing efficiency



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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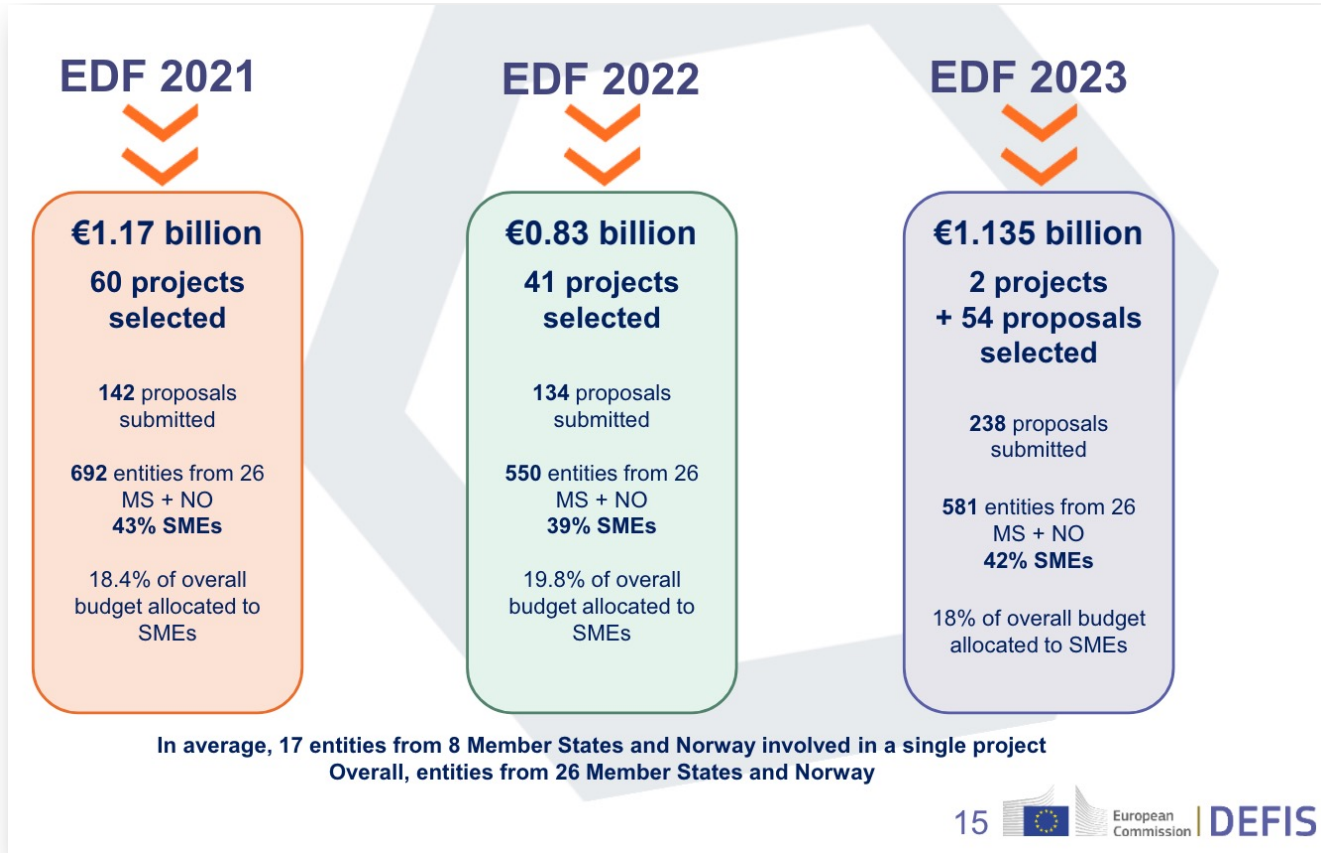
88



European
Commission

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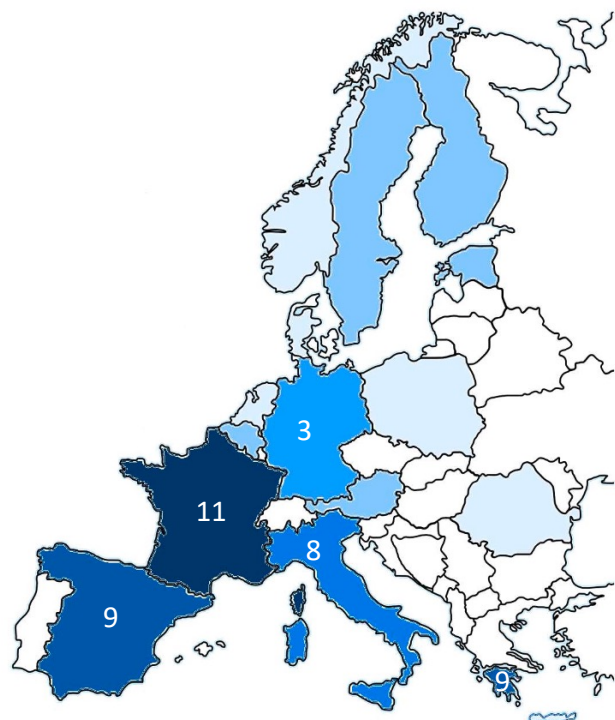
Bandi	36(5)/39	31(x)/yy	36(8)/81
Grants	152M=13%	113M=13,7%	202M=17,8%
Partec.	136	100	294



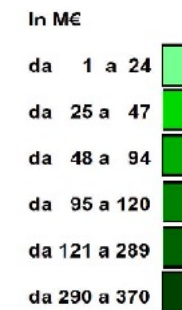
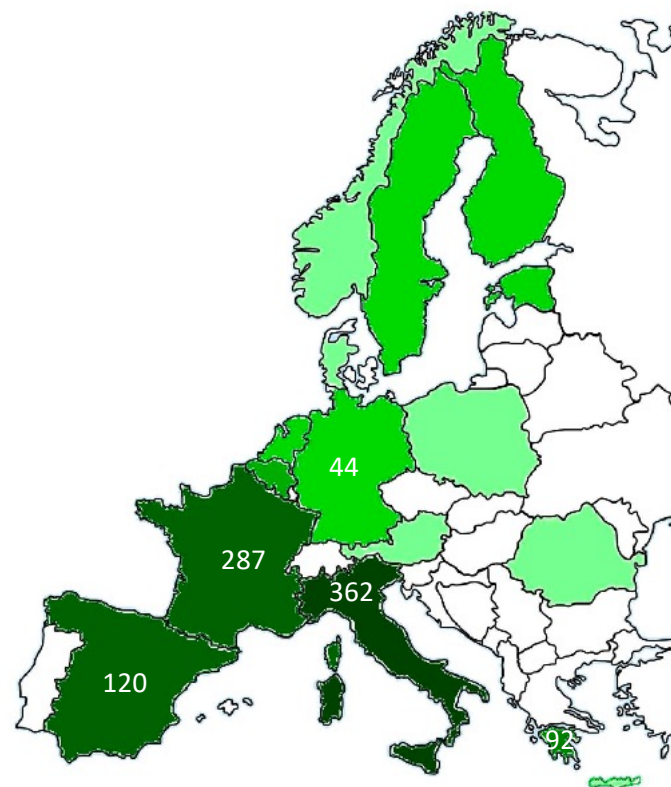
Lead Nations

2023

Progetti selezionati



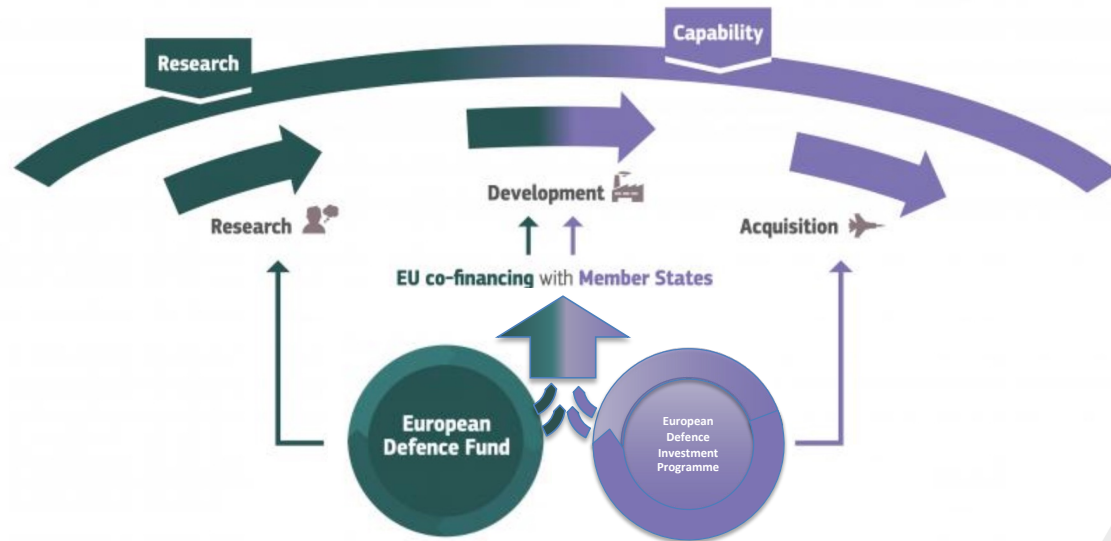
Valore grants



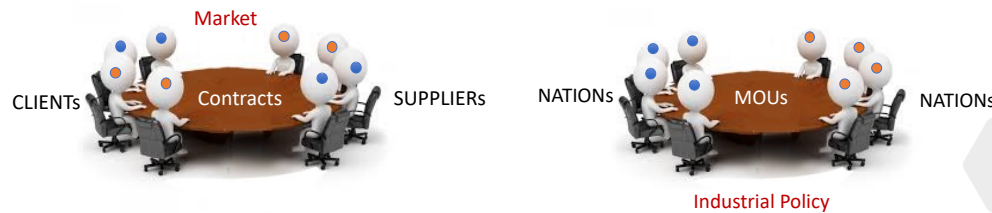


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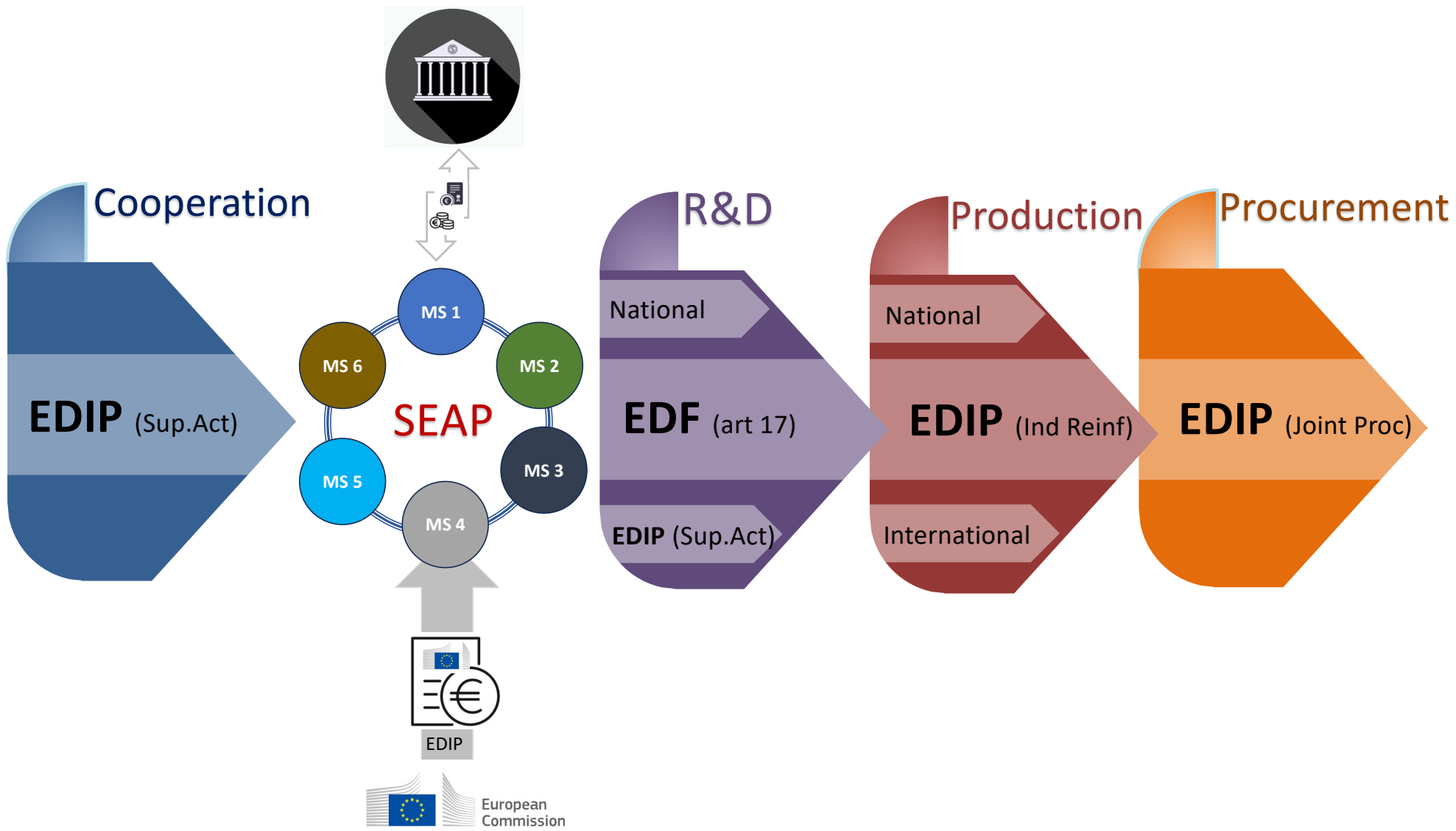
TAILORED SUPPORT TO ENTIRE CYCLE OF R&D PROJECTS - DEFENCE PROGRAMMES



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.

