



EDA INDUSTRY ENGAGEMENT

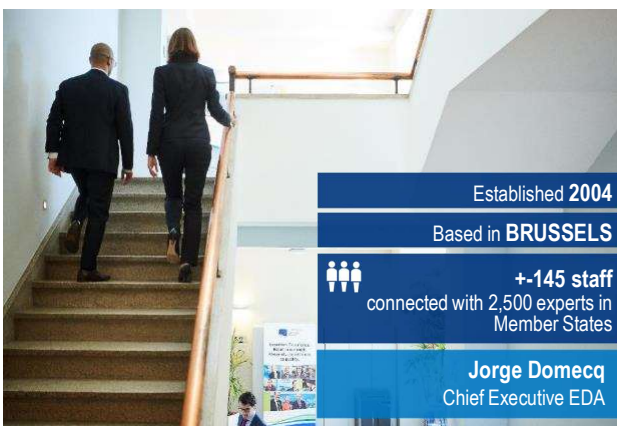
Marian Savu

Policy Officer Industry Engagement and EU Policies
European Defence Agency
Brussels, 22 March 2019



EDA - FACTS & FIGURES

Only EU Agency whose Steering Board meets at ministerial level



27 Member States

(all EU members except Denmark)
Administrative Arrangements
with Norway, Serbia, Switzerland and Ukraine

Budget 2018
€32.5 Mio

EDA Portfolio:
ca. **300 activities** related to capability development,
R&T and defence industry

Value R&T projects 2004-2017 run within EDA:
approx. **€1 billion**

A PROACTIVE HUB FOR THE EUROPEAN DEFENCE COMMUNITY

EDA stakeholders

Partner organisations in improving

European military capabilities

(e.g. OCCAR, EATC, NATO)

Key partners in civil-military

coordination

(e.g. European Commission, EU Agencies,

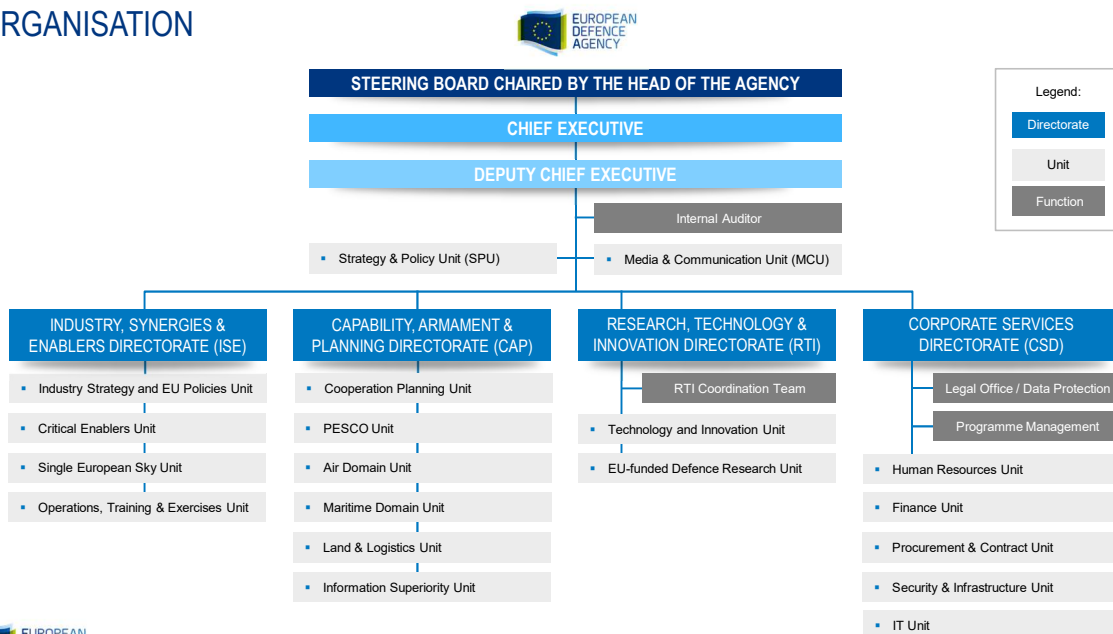
ESA, Eurocontrol, SESAR)

Industry,

mainly through ASD & NDIAs



ORGANISATION



INDUSTRY ENGAGEMENT: INVOLVE INDUSTRY IN EDA'S CORE BUSINESS



Structured dialogue with industry
 ASD, NDIAAs, Defence-related clusters; Large, Mid-cap and SMEs

CAPABILITY DEVELOPMENT PROCESS	RESEARCH, TECHNOLOGY & INNOVATION	KEY STRATEGIC ACTIVITIES	WIDER EU POLICIES	SUPPORT TO INDUSTRY
<ul style="list-style-type: none"> • CDP update • Strategic Context Cases (SCCs) • Exercises 	<ul style="list-style-type: none"> • OSRA / SRAs • CapTechs • Identification of innovative communities • Energy • PADR 	<ul style="list-style-type: none"> • Targeted consultation of industry based on the approved methodology 	<ul style="list-style-type: none"> • SES/SESAR fora/platforms • Industry Exchange Platform on RPAS ATI • REACH 	<ul style="list-style-type: none"> • Information sharing • Cross-border partnerships • EU tools (e.g. funding, networks) • SMEs • Coordination / dialogue with COM / NATO on Industry matters



INDUSTRY ENGAGEMENT ROADMAP



ABOUT US

WHAT WE DO

EXPERTS

INFO HUB

JOB

PROCUREMENT BIZ

INDUSTRY INFO

FOLLOW US

Home >> Industry Info >> Industry Engagement Roadmap 2019

EDA Industry Engagement Roadmap 2019



At the Steering Board meeting on 18 May 2017, Defence Ministers endorsed EDA's revised approach towards a structured dialogue and enhanced engagement with industry based on key objectives, principles and a set of priority actions focused on: the capability development process, exercises, R&T prioritization, innovation, SES/SESAR, Key Strategic Activities and overall support to industry. The EDA Industry Engagement Roadmap offers an overview



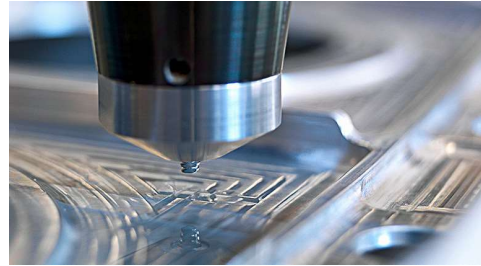
GENERAL TOOLS TO SUPPORT SMEs' ACCESS TO OPPORTUNITIES

Important factor in competitiveness and innovative power of the European Defence Industry resulting in affordable defence systems

KEY ACTIVITIES

- ▶ Specific attention to engage SMEs in EDAs R&T and Cap activities
- ▶ SME Guidelines and handbook
- ▶ SME Corner with opportunities and policy information

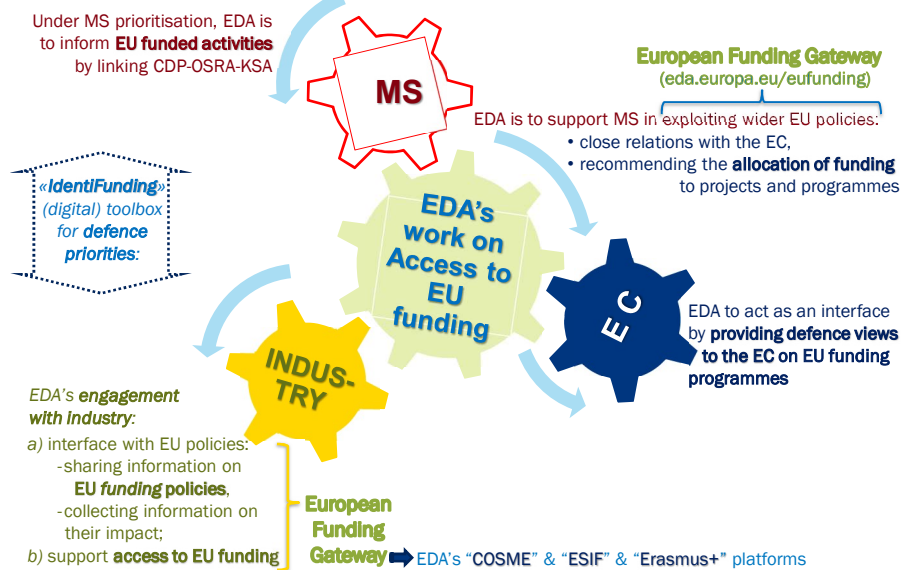
<https://www.eda.europa.eu/industry-info>



7

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ACCESS TO EU FUNDING - an integrated / coordinated/ prioritised work



8

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IDENTIFUNDING



Home >> What we do >> Our current priorities >> EU Funding Gateway

European Funding Gateway

The Defence sector (industry, research-and-technology organisations, academia, Ministries of Defence/Armed Forces) can access funding at European level.

Click on "Start Identifunding" to discover which funding at the European level potentially suits you at most.

Then, see below a synopsis "COMPARATIVE VIEW PER FUNDING DIMENSION" to COMPARE each relevant DIMENSION, one-by-one (e.g. what can be funded, who has access, which type of funding), across the many funding opportunities.

Additionally, EXPLORE each SPECIFIC European funding opportunity in detail by clicking on "DETAILED VIEW PER FUNDING SOURCE" (after the comparative view).

Start Identifunding

The Above Tool Performs an Initial Self-diagnostic on the Potential Eligibility of Your Project/Entity to EU Funding Opportunities

COMPARATIVE VIEW PER FUNDING DIMENSION

Select a criterion: SCOPE? WHAT? WHO? WHEN? WHICH? WHERE? QUANTUM? HOW? ↻

European Defence Fund (EDF) Preparatory Action on Defence Research (PADR)	European Defence Fund (EDF) European Defence Industrial Development Programme (EDIDP)	EDA's ad-hocs Cat. A and Cat. B	Connecting Europe Facility (CEF) Transport: Single European Sky ATM Research (SESAR)
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CATALOGUE OF EUROPEAN DEFENCE INDUSTRY ASSOCIATIONS



The EDIAs catalogue is a useful information tool for European MoDs to identify additional interlocuters and for defence industry organisations to identify potential new partnerships.

NEWS REVIEW FOR INDUSTRY

- Objective
 - To inform European Industry on relevant EDA/EC events/tools/activities
- Format
 - 1 page document with embedded web-links + html format
- Recipients
 - NDIAs, ASD, defence-related clusters, individual companies, ...
 - Submitted on a regular basis: +2000 recipients
- To become a recipient
 - Contact: News4Ind@eda.europa.eu



11

EUROPEAN DEFENCE AGENCY
NEWS REVIEW FOR INDUSTRY Edition 27 – December 2017

NEWS OF THE MONTH
PESCO – On 11 December 2017, the Council adopted a decision establishing Permanent Structured Cooperation (PESCO), with 25 Member States participating. This permanent framework for defence cooperation will allow willing and able Member States to develop jointly defence capabilities, invest in shared projects, and enhance the operational readiness and contribution of their armed forces.

HOT SPOTS
EDA study to assess graphene potential for defence – On 12 December 2017, the European Defence Agency (EDA) hosted the kick-off meeting for a new study to be carried out over the next 12 months on possible future applications of graphene in the military domain and the expected impact on the European defence industry.

Key defence and security space project supported by ESF – The "SPACE NOSTRUM - High Performance Dual Satellite Constellation for Maritime Surveillance" study was awarded European Structural and Investment Funds (ESIF), accessing the highest co-funding rate (50%) available in that region.

Security of Supply – Following the adoption at Council level of EDA Member States' Political Commitment on Security of Supply on 19 June 2017, the Agency developed a related *Questions and Answers* document elaborating on the Political Commitment adopted, including potential links to and benefits for industry.

EDA Annual Conference 2017 – The EDA's Chief Executive on November 23rd closed the Agency's Annual Conference 2017 with a call to use the EU's new defence tools and the EDA's full potential to enhance cyber cooperation and help Member States' armed forces to plan, develop, acquire and use the required cyber defence capabilities. He insisted that dialogue with industry will be equally important to secure the required future capabilities.

PUBLICATIONS
EDA Industry engagement – A new EDA fact sheet on the Agency's Industry Engagement concisely describes the objectives and principles of the approach as well as the key priorities: capability development process; Research, Technology & Innovation; SES/SESAR; Key Strategic Activities identified at EU level; and support to and overall engagement with industry.

The new EDA magazine – The latest European Defence Matters magazine is now available with a special focus on 10 disruptive defence innovations to come. The magazine is also available ONLINE in a user-friendly, state of the art responsive layout and accessible via all your devices: smartphone, tablet or desktop!

Warm holiday wishes and Happy New Year
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RESEARCH & TECHNOLOGY

- ▶ EDA promotes, facilitates and manages Research and Technology activities in 12 technology domains (CapTechs) and 2 Working Groups, in order to **develop knowledge and technologies needed for future defence capabilities.**

R&T MANAGEMENT TOOLS:

- ▶ Identification of technologies - **Technology Watch and Foresight**
- ▶ Technology assessment and prioritisation:
 - **Strategic Research Agendas (SRA)**
 - **Overarching Strategic Research Agenda (OSRA)**

R&T CONTRACTING TOOLS:

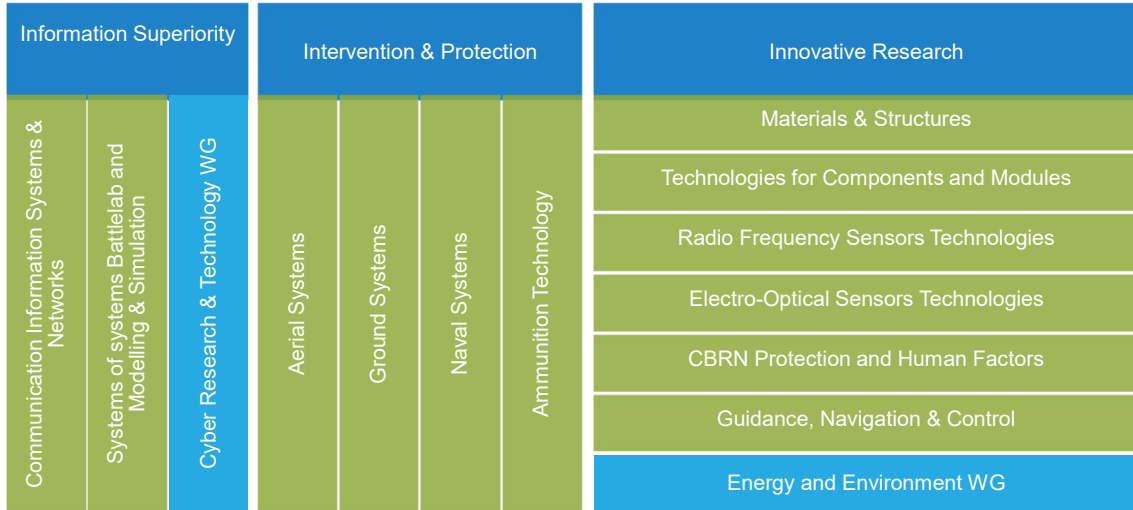
- ▶ EDA studies from EDA operational budget (OB)
- ▶ Cat B projects funded by Member States, Bottom up initiatives (Opt In)
- ▶ Cat A programmes funded by Member States, Top down steering (Opt Out)
- ▶ Adapted mechanisms



12

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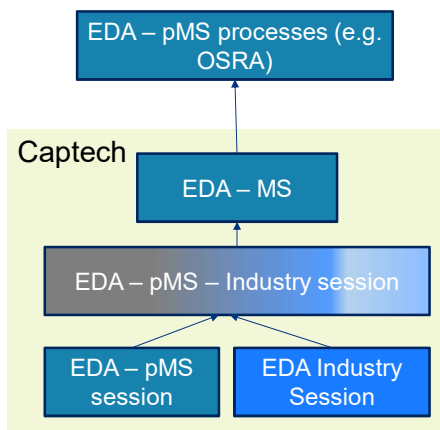
CAPTECHS AND WG – TECHNOLOGY DOMAINS & NETWORKS



The detailed technical coverage of each group is posted on the [EDA WEBSITE](http://www.eda.europa.eu)



INDUSTRY PARTICIPATION TO THE CAPTECH WORK



- Access granted upon pMS approval
- Provision of R&T expertise to identify defence specific gaps:
 - Supporting the development of Technology Building Blocks (TBBs).
 - Inputs to technology roadmaps
 - Development of Strategic Research Agendas (SRAs)
 - R&T project ideas for all potential available funding instruments.
- Dedicated industrial sessions in each CapTech
- CapTech “industry Rapporteur”
 - To support CapTech moderator in consolidate industry views
 - To represent CapTech’s industry stakeholders in on an as-needed basis
- Additional Regular workshops involving industry, RTOs, academia together with governmental representatives to synchronize with the industrial capabilities and roadmaps.



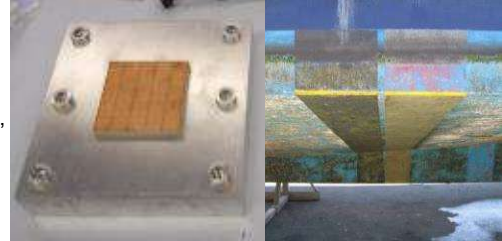
R&T EXAMPLE: CapTech Materials & Structures

AIM:

- ▶ Promotes and manages research in underpinning technologies on structures and materials from design to wearability and repair.

It works in:

- ▶ Advance materials, such as metamaterials,
- ▶ Advance manufacturing techniques, as 3D-printing
- ▶ New structures for RPAS, land vehicles...



Some examples of projects:

- ▶ **CONVICE**, Vulnerability Reduction Technologies for Large Maritime Composite Structures (2009-2014)
- ▶ **BaToLUS**, Battle Damage Tolerance for Lightweight UAV Structures (2009-2015)
- ▶ **MIMICRA**, Metamaterial Inspired Microwave Conformal Radar Antenna (2011-2014)
- ▶ **CCNS**, Corrosion Control on Navy Ships (2013-2016)
- ▶ **ALOMAS**, Advanced Low Observable Materials and Structures (2014-2017)
- ▶ **PATCHBOND**, Bolt free battle and operational damage repairs of metal and composite primary aircraft structures (2014-2018)
- ▶ **CERAMBALL**, Light Weight Ceramics for Ballistic Protection (focus on soldier protection) (2015-2017)



15

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EU - NATO JOINT DECLARATION

signed in July 2016 in 7 areas

- ▶ 74 actions to ensure implementation of Joint Declaration
- ▶ Cooperation as established norm and daily practice

EU-NATO cooperation

in the areas of:

- Information sharing
- Coordinated planning
- Concrete cooperation

Hybrid Threats Operational cooperation Cyber Security Capacity building
Defence capabilities Industry and research Exercises

EU-NATO dialogue on Industry matters

- ▶ Regular staff-to-staff exchanges
- ▶ Update on practices regarding Industry including SMEs' access to defence supply chain and innovation
- ▶ Industry engagement in various areas of common interest (e.g. cyber, navigation)
- ▶ Ensuring complementarity/no duplication of efforts



16

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EUROPEAN DEFENCE FUND: A MAJOR POLITICAL EVOLUTION

AIM

The European Commission launched the **European Defence Fund** in June 2017 with the aim to:

- ▶ Contribute to strengthening the **competitiveness** and **innovative capacity** of the EU's defence industry
- ▶ Foster defence cooperation through **supporting investment** in joint defence research, development of prototypes and acquisition of defence equipment and technology.

Ongoing developments:

CAPABILITY DEVELOPMENT

The European Parliament and the Council adopted a regulation establishing a European Defence Industrial Development Programme (EDIDP) 2019-2020 with a budget of € 500 million

RESEARCH

Preparatory Action on Defence Research (PADR) 2017-2019 ongoing (budget € 90 M) with a view to developing a future European Defence Research Programme (2021-2027)

EDA ROLE

- ▶ PADR – managed by EDA based on Delegation Agreement signed with EC on 31 May 2017 (first 5 projects have been granted and are running)
- ▶ EDIDP – to provide its views and expertise to the committee as an observer



17

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