



EDA @ LUX DEFENCE & INNOVATION DAY

EDA CORE MISSION

Intergovernmental Agency
of the Council of the European Union



Established in 2004
Based in Brussels



Identifying shared needs and priorities at EU level
to ensure that EU Member States' armed forces
have the capabilities they actually require

**Interfacing with
EU civilian and
defence policies,**
voicing Ministries
of Defence's joint
positions



**Enabling
collaborative
defence research,
technology, and
innovation,** to
prepare the future
of EU defence

**Aggregating demand
towards joint procurement,**
to fill capabilities shortfalls

**Harmonising requirements and engaging
in joint capability development,** while
ensuring interoperability

Capability Development Plan (Revision 2023)

MS in June 2022 tasked EDA to **launch the CDP revision**, in close coordination with the EUMC and the EUMS, in order to prepare a **revised set of EU Capability Development Priorities** to be agreed by the EDA Steering Board in 2023 and serve as **reference for all EU defence initiatives**.

Full
Spectrum
high-end
Capabilities

Military Domains
oriented

RDC
addressed

Lessons from
Ukraine

Anticipating Future
challenges-EDTs

22
PRIORITIES

EU Capability
Development
coherent with NATO



2023 EU Capability Development Priorities



LAND

- › Ground Combat Capabilities
- › Land Based Precision Engagement
- › Future Soldier Systems



AIR

- › Air Combat Platforms & Weapons
- › Airborne Command & Inform Capabilities
- › Integrated Air & Missile Defence
- › Air Transport



MARITIME

- › Naval Combat & Maritime Interdiction
- › Underwater & Seabed Warfare
- › Maritime Domain Awareness



SPACE

- › Space Operations
- › Space Services



CYBER

- › Full Spectrum Cyber Defence Operations Capabilities
- › Cyber Warfare Advantage & Readiness



STRATEGIC ENABLERS & FORCE MULTIPLIERS

- › Electro Magnetic Spectrum Operations (EMSO) Dominance
- › Persistent & Resilient C4ISTAR
- › Military Mobility
- › Critical Infrastructure Protection & Energy Security
- › Sustainable and Agile Logistics
- › Medical Support
- › Chemical, Biological, Radiological & Nuclear (CBRN) Defence
- › Cohesive & Well-Trained Militaries

RESEARCH & TECHNOLOGY

- ▶ EDA promotes, facilitates and manages Research and Technology activities in 15 technology domains (CapTechs), in order to **develop knowledge and technologies needed for future defence capabilities.**

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

R&T MANAGEMENT TOOLS:

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

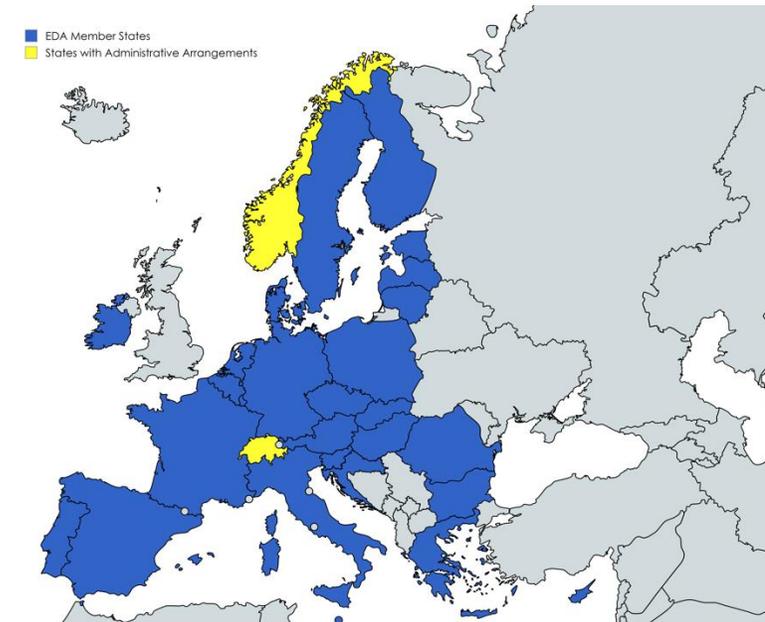
LUXEMBOURG R&T AD HOC PROJECTS

Luxembourg participation in R&T Ad Hoc projects:

- **17 ongoing projects (total value: € 74,3 million)**
- Luxembourg participates in **16,6%** of all projects under execution
- **5 projects under preparation**
- Luxembourg participates in **14,7%** of all projects under preparation

CapTechs with active Luxembourg participation:

- **Luxembourg is active in 8/15 CapTechs:** Air, CBRN, Energy
Land, Maritime, Materials, Simulation, and Space



The path leading to the establishment of the Hub

Main Timeline

HEDI has been established against the backdrop of a **degrading security environment** and in a world where defence innovation is again front and center in the global competition restructuring the international balance of power

In the **Strategic Compass** the establishment of the Hub for EU Defence Innovation in EDA is identified as a key step to boost defence technological innovation and fill strategic gaps.

The **Foreign Affairs Council** (conclusions of May 2021) called for the reinforcement of EDA's role in fostering defence innovation.

"Less than two months after the adoption of the EU's Strategic Compass, we deliver on one of the Compass' main priorities by establishing the European Defence Agency's Defence Innovation Hub"

HR/VP Josep Borrell, Head of EDA

The EDA budget in 2023 rose 15% compared to 2022, following approval by Defence Ministers at the Steering Board. An important part of the increased budget is set to be invested by EDA in innovation through the Agency's Hub for Defence Innovation (HEDI).

15 NOVEMBER 2022

A new budget for a new era: EU Defence Ministers approve EDA budget increase



17 MAY 2022

Hub for EU Defence Innovation Established within EDA

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May '21

March '22

May '22

November '22



Hub for European Defence Innovation (HEDI)

Portfolio of Services and Activities

Common Picture



Platforms for exchanging best practices, create networks and harmonize awareness on critical EDTs (e.g., EDIN network, engagement with MS and AC)

EDA Innovation prize(s)

Organization of several innovation prizes, paper awards and/or hackathons to promote upscale of ideas and development of new technologies.



Innovation Challenges



Organization and management of innovation challenges for and with partners (e.g., for/with the European Commission)

Proof-of-Concept / Demonstrators

Initiatives to fast-track the development of promising technologies to higher technology readiness levels solutions



European Defence Innovation Days



Organization of a high-level event uniting European innovators, exhibition spaces and talks by leaders in Defence Innovation.

Uptake of Innovation

EU Defence Operational Experimentation Campaigns to develop blueprints for the rapid adoption of emerging capabilities



THANK YOU

More information on the agency



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