



ROYAL HIGHER INSTITUTE FOR DEFENCE
KAREN PIETERS, DEPUTY DIR WTOD

15 Oct 2024

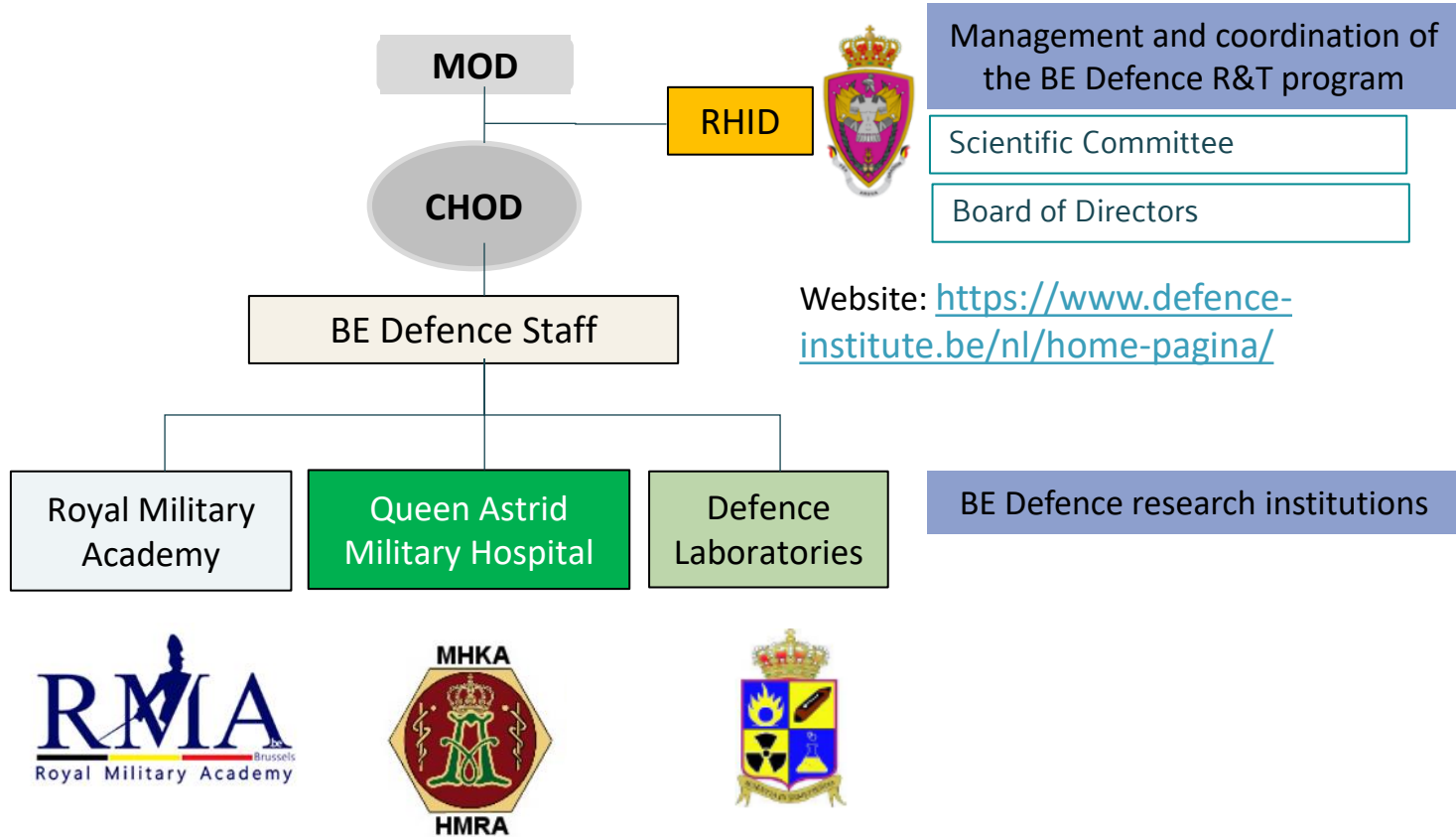


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BE RHID PROGRAM OVERVIEW



RHID & BE DEF Research





BE Research and Security Policy



Strategic vision for Defense (2016) STAR-plan

A gradual increase of the R&T contribution for security and defence to reach 2% of defence spending in 2030.

Strengthening the Scientific, Technological and Industrial Potential

Policy Declaration Min Defensie (2022)

“... knowledge centres in Belgium, companies in general and Belgian SME’s, ...”

“...will flow back to society in the form of knowledge, technology and employment...”

Belgian Defence ‘Research, Technology & Innovation Vision 2030’

5 boosters for Defence Research, Technology and Innovation





Belgian Defence 'Research, Technology & Innovation Vision 2030'

From an internal scientific and technological research programme to a research, technology and innovation policy within a national and European context.



Structurally reinforce the **Belgian Defence R&T-capabilities**

(Royal Military Academy, Defence laboratories,
Military Hospital Queen Astrid)



Develop a broader knowledge and technological base



Stimulate and support collaborative research and development

(EDA, EDF, ESA, NATO)



Facilitate short-cyclic innovation projects for Defence



Create local ecosystems for research, development and innovation

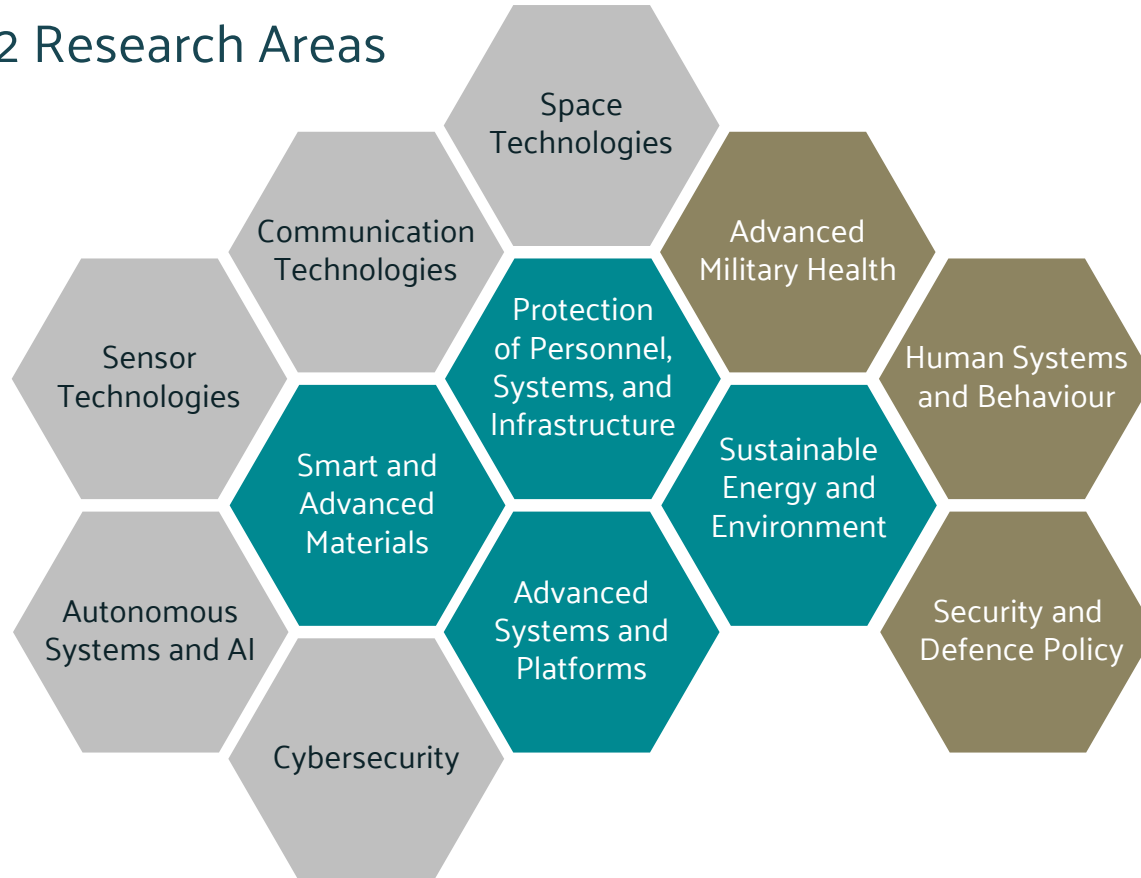


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Defence Scientific and Technological Research

12 Research Areas



5 Vectors

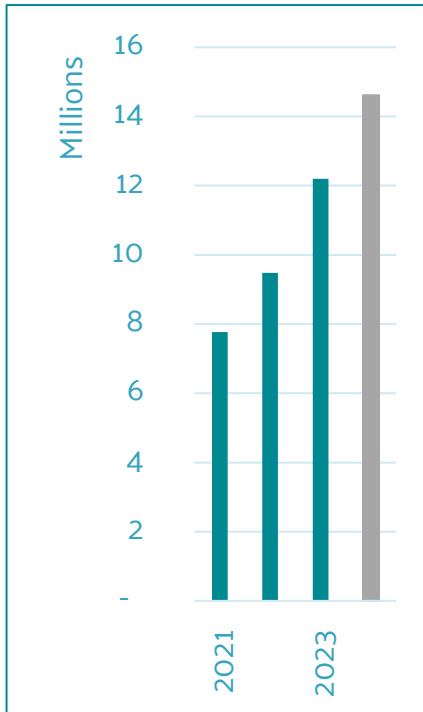


DAP Data Acquisition and Processing
MSP Mobility, Systems, and Protection
HFM Human Factors and Medicine

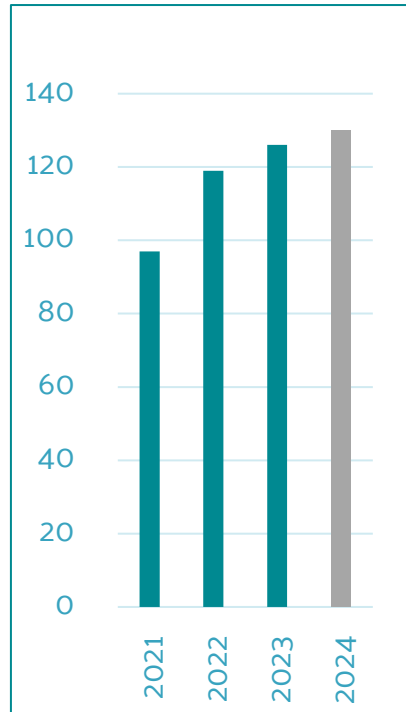


Funding Opportunities for defence related Research : Structurally reinforce the Belgian Defence R&T capabilities

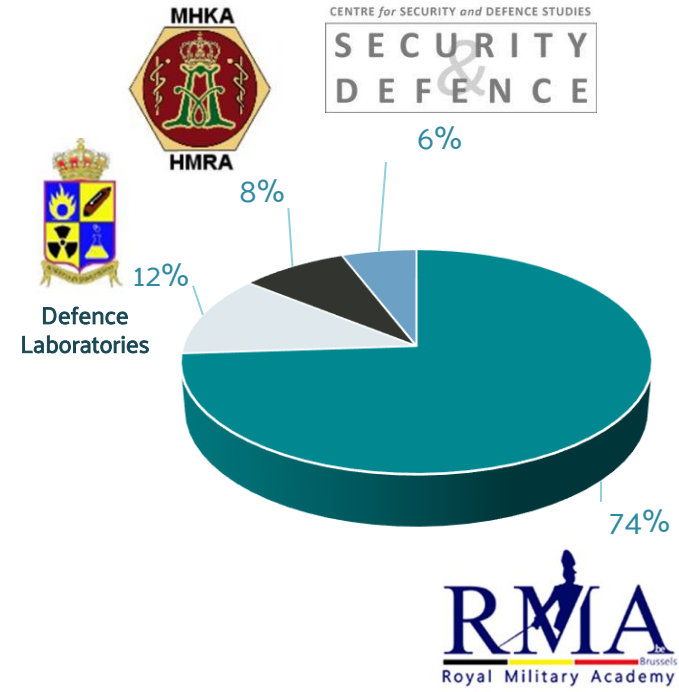
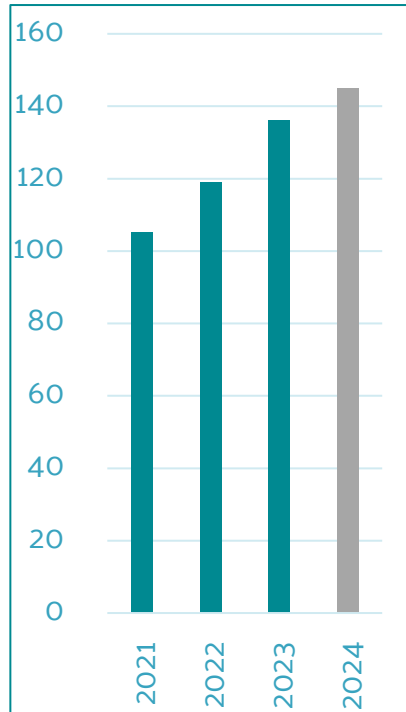
Budget
8-14,6 M€



Studies
100→130



Researchers
105→145



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Funding Opportunities for defence related Research : Broader knowledge : DEFence Research Action (DEFRA)

What? First and only nationwide defence related research program, in collaboration with BELSPO

Purpose ? Development of a bigger (Belgian) defence related knowledge base and reinforce the Belgian *Defence Technological and Industrial Base* (DTIB)

How? Annual thematic call for research community & industry based in Belgium in a « Triple Helix » approach between government, industry and academia

Call for proposals in specific themes, R&T proposals up to TRL 6 with a 2-to-4-year duration

Budget: Yearly budget more than 10 Mio€ and increasing

DEFRA	2022	2023	2024	2025
Total planned Budget (Mio €)	6,4	10	12	20

POC : Karen.Pieters@mil.be

Information: themes, timing, rules and procedures : www.belspo.be/belspo/defra



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Funding Opportunities for defence related Research : Broader Knowledge : Science4Policy

What? conduct research across all themes into social issues that are among the priorities of the Federal Public Services (FPS) and the federal government

Purpose ? Policy-driven research priorities - specific need of the FPS - results to be specifically implemented by the FPS involved

How? Launch of a call every two years for research community based in Belgium

Call for proposals in specific themes, R&T proposals with a 1-4 years duration

Budget: Call 2024 : 10% funding by Defense, remaining funding by BELSPO

POC : Karen.Pieters@mil.be



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Funding Opportunities for defence related Research : Collaborative Research

What? Research in multilateral (NATO, EU, EDA,..) or bilateral context

Purpose ? Access to missing or specialised knowledge or expertise, generate critical mass to generate success and impact

How? currently focus on EDA Cat B and Belgian contribution Development projects EDF, NATO to a lesser extent

EDA launched 'IdentiFunding', an online tool that allows defence stakeholders to quickly identify existing EU funding schemes available for their defence-related projects



See the European Funding Gateway for Defence: <https://eda.europa.eu/eufunding>

POC : Dirk.Wauman@mil.be and Sébastien.Sinaeve@mil.be



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Funding Opportunities for defence related Research : inno4def.be

INNOVATION FOR DEFENCE

What's happening

Our challenge

How do we tackle it

Running projects

Join community

Share your idea

INNOVATION FOR DEFENCE

Defence Innovation, our duty!

Research, development and innovation play a crucial role in Belgian Defence's development, fostering progress not only in security and defence but also driving economic growth, reinforcing our technological base and providing promising prospects for individuals. This strengthens the Defence-Nation link and positions Belgian Defence competitively amidst geopolitical uncertainties and potential worldwide security threats.

[Who are we?](#) [What's our challenge?](#) [How do we tackle it?](#)

Hackathons

Battlefield of Things

The two-day Battlefield of Things Hackathon is an innovation event that unites Belgian IoT enthusiasts, students, IoT professionals, and BELDEF personnel for hands-on innovation in IoT design.

15-17 March 2024 **Actively recruiting**

Share Your Idea

Join now!

What's happening Our challenge How do we tackle it Running projects **Join community** Share your idea

English (United States)

Idea submission form

Welcome to the Innovation Idea Submission Form!

Introduction: Innovation is the driving force at Innovation for Defense. Your input is invaluable for progress, whether you're an internal team member or an external visionary. We strongly believe in the boundless nature of innovation, welcoming diverse perspectives to fuel our creative engine.

About the Form: Our innovation idea submission form serves as a conduit for your visionary concepts to create tangible real-world impacts, regardless of your experience level in innovation. The provided references can provide you some guidance for the submission. Explore impactful submissions for inspiration, and review examples that don't align with our objectives.

What We're Looking For: We're in search of ideas that challenge conventions and offer meaningful solutions. To stand out, invest in researching your idea's alignment with real-world context and visualize its transformation into reality, including resources, timelines, and partnerships. Your idea has the potential to be a game-changer, so dream big and think practically.

15-17 March 2024 **Actively recruiting**

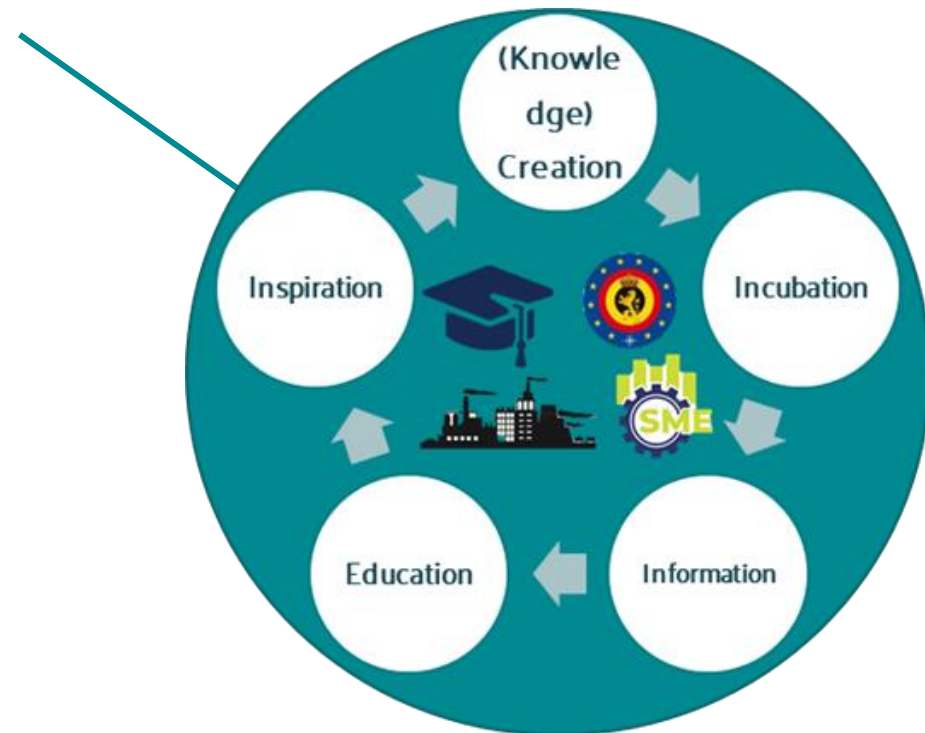
POC : Margo.Degreef@mil.be



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Funding Opportunities for defence related Research : Ecosystems for research, development and innovation

- Ecosystem activities to create value
- Theme-oriented
- Development of long-term technology roadmaps
- Rollout 2024/2025
 - Protection Critical Maritime Infrastructure
 - Defence related Cyber
 - Cap4Land
 - Defence Related Space Applications
- POC : Steven.Lauwereys@mil.be





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Thank you