





Defence-related Research Action - DEFRA

Call for proposals 2023

FULL PROPOSAL DESCRIPTION

Compulsory document - must be completed - in English

Before completing, please consult carefully the **Information document** and the **evaluation matrix for full proposals.**

! Only fully completed templates will be considered for the Phase 2 evaluation!

PROPOSAL'S ID				
Project Acronym	Click here t	o enter text.		
Project Title	Click here t	o enter text.		
Research Theme	☐ CYBER	☐ AUTONOMOUS SYSTEMS	☐ OPEN THEME SMEs	
	\square ADVANO	CED SENSOR TECHNOLOGIES	☐ MATERIALS	

Please note that the font used to complete the documents must be in Calibri, size 11, with 1,15 line spacing.

PARTNERS / PARTNERSHIP

COORDINATOR (P1)	
Organisation name:	Click here to enter text.
Type of organisation:	Choose an item.
Website:	Click here to enter text.
Principal investigator:	
Last name:	Click here to enter text.
First name:	Click here to enter text.
Email:	Click here to enter text.
Phone number:	Click here to enter text.

PARTNER 2 (P2)	
Organisation name:	Click here to enter text.
Type of organisation:	Choose an item.
Website:	Click here to enter text.
Principal investigator:	
Last name:	Click here to enter text.
First name:	Click here to enter text.

E-mail: Click here to enter text.

PARTNER 3 (P3)	
Organisation name:	Click here to enter text.
Type of organisation:	Choose an item.
Website:	Click here to enter text.
Principal investigator:	
Last name:	Click here to enter text.
First name:	Click here to enter text.
E-mail:	Click here to enter text.

Copy the table to include more partners if needed.

PROJECT SUMMARY

Briefly describe:

- The context and motivation of the project
- Expected results and how these will impact Defence
- Brief explanation of how the project will be carried out

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PROJECT SCOPE

Explain how the project:

- answers to the research priorities of the call (cfr. sections 2.1 and 3.3. of the information document)
- takes into account the triple helix concept

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1. PROJECT OBJECTIVES

Explain the scope of the project and break it down in major research objectives, making sure that those are SMART (Specific, Measurable, Assignable, Realistic, Time-related) defined.

[2 pages]

Click here to enter text.

2. STATE OF THE ART AND INNOVATIVE CHARACTER

2.1. Knowledge of the state of the art

• Explain the state of current knowledge at national and international level on your topic. Include a list of max. 5 relevant existing publications, projects, references and/or (inter)national networks per project partner to support this.

 relevant existing publications, projects, references and/or (inte Provide an overview of the knowledge to be acquired within the Provide an overview of the development of new expertise and working) in Belgium Describe the opportunities for (new) national and/or international and/or interna	ne project team and competences (new		
[1 naga]			
[1 page] Click here to enter text.			
2.2. Positioning of the project with respect to the state of	the art (innovative	ness)	
	within	beyond/innovative	
in terms of exploring a gap in (inter)national research			
in terms of exploring new methodologies			
[1 page] Click here to enter text.			
3. RELEVANCE AND POTENTIAL	IMPACT FOR I	DEFENCE	
3.1. Potential impact of the proposal in light of the expect	ed outcomes		
Explain the relevance and potential impact of the project (e.g. its methodologies, processes, technologies, developments, outcomes, insights,) for Belgian Defence, in relation to the expected impact for your theme (cfr. information document section 3.3.).			
[1/2 page]			
Click here to enter text.			

3.2. Plans to maximise the impact of the project

- Explain the concrete plans of valorisation, dissemination, and exploitation of the project results to Defence, in
 accordance with the WP valorisation and GANTT chart and the expected impact. The target groups of these
 valorisation proposals must be explicitly described.
- Is there a link with another regional / federal / international project?
- Are there possible follow-on projects for this proposal, either going deeper or with a broader scope?

[1/2 page]

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3.3. Contribution to defence's R&T strategic objectives

Explain how the project contributes to each of the Defence's R&T strategic objectives as described in the information document (section 2.1.) in terms of:

- capability development (a capability being the ability to perform actions to achieve desired objectives/effects, not limited to equipment, but also doctrine, training, ...)
- filling of employment gaps and/or job creation
- marketable products
- optimisation of Defence processes (a process being the series of actions or steps taken in order to achieve a particular end, e.g. procurement process; innovation process ...)

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3.4. Data management plan (DMP)

Will data be collected, reused and/or generated?

Please select the adequate answer(s) taking into account the following concepts:

Data content:

Refers to the type of data regarding what it contains. E.g. numeric (databases, spread sheets), textual (documents), image, audio, video, mixed media...

Data format:

Refers to the technical format of data; to the way in which the data is encoded for storage, often reflected by the filename extension. For example: pdf, xls, doc, txt, rdf...

Data volume:

You may roughly estimate this using the following categories: From 0-10GB; From 10-100~GB; From 100-100~GB; More than 1000~GB.

My proposal will	☐ COLLECT DATA ☐ REUSE EXISTING DATA ☐ GENERATE NEW DATA						
 Please describe: Which data you will collect/reuse/generate How data will be collected / from which source it will be reused / how will it be generated Its content, technical format and estimated volume. Any existing constraints regarding its use. 							
Click here to enter text.	Click here to enter text.						
How will you handle legal issues?							
Please answer the following statements taking in	nto account the following conc	epts:					
Legal issues: This includes personal data, intellectual property issues and security requirements. Regarding personal data, you must ensure when dealing with personal data that Data Protection Laws (i.e. GDPR) are complied with.							
My proposal will use / process / store per	rsonal data:	□ YES □ NO					
If your answer is 'YES' : shortly describe the kin Add the process and reference to your file in t							
Click here to enter text.							
The work undertaken in the project will data with potential for technology transf	•	□ YES □ NO					
If your answer is 'YES', your proposal must take into account possible intellectual property issues. Explain who will be the owner of the data (who will have the rights to control access). Indicate whether there will be intellectual property rights/restrictions for the data you created, and if applicable, describe how these will be managed.							
Click here to enter text.							
For themes CYBER and OPEN THEME SMI the project will possibly use or generate of		□ YES □ NO					
If your answer is 'YES', your proposal must take into account possible security requirements (see section 7.3. of the information document. Identify the classification needs for the work packages of the project the involve threat and /or vulnerability assessments and the information on specifications or capabilities of the tool(s) used. Attention! Classified information is sensitive, but other, more stringent, rules will apply than the ones described for sensitive information in the following data management paragraphs.							
Click here to enter text.							

How will you document your data?

Please answer the questions/statements, taking into account the following information:

Data must comply, as much as possible with FAIR principles; it must be findable, accessible, interoperable and reusable. For this purpose, data must be accompanied by descriptive information in the form of metadata. Metadata is the information that describes, explains, locates, and /or makes the use of an information source easier to retrieve. Where metadata are in place, researchers are advised to use and mention metadata standards.

What documentation will be provided to enable und generated in this project?	derstanding and reuse of the data collected /			
Click here to enter text.				
Metadata standards will be used: ☐ FOR ALL DATA ☐ FOR SOME DATA ☐ FOR NONE OF THE DATA				
 if your answer is 'for all data' or 'for some data', please describe in detail which standards will be used. if your answer is 'none of the data', please state in detail which metadata will be created to make the data easy/easier to find and reuse. 				
Click here to enter text.				
ata storage and backup during the project				
Please give preference to the use of robust, managed stowhich offer ample storage space and data security for more consider data protection, particularly if your data is sensitive information or information relating to religion a support staff whether your intended storage solution me	ost purposes. sitive — for example, containing personal data, politically and health. If this is your case, enquire with the partners'			

Please answer the statements/questions, taking into account the following information. Note that you may choose one or more answers to statement 8.4.1.

The data will be stored in	☐ the partner's Research Storage ☐ OTHER			
storage. • Explain the reasons for using these solutions.	uring the project, in addition to / instead of the partner's research E.g. because you need more space than available by the partners; or because your data requires additional security.			
Click here to enter text.				
How will the data be backed up?				
Click here to enter text.				

D

	How will data security and protection of sensitive data be taken care of during the research?	 □ Not applicable (there are no sensitive data) □ Default security of the partners' networked research storage □ Additional security measures 			
	If your answer is other than 'Not applicable' : Describe t	·			
Click here to enter text.					
	What are the expected costs for data storage and backup during the project? How will these costs covered?				
	Costs related to data storage and backup during the project can be covered by the project budget providing to are fully justified and relate to the project.				
	Click here to enter text.				
P	ou may choose one or more answers to statement 5 The data generated during the project should be pres	aking into account the following information. Note that .2. erved (archived) in the long term, in as far as legal and term storage is considered to be at least 10 years, unless			
		10 years) ☐ YES ☐ NO The preserved long-term and what data will be destroyed for preservation issues. Indicate how you will decide which data			
	Click here to enter text.				
	The data will be archived within	☐ Partners' Networked Research Storage ☐ OTHER			
	If your answer includes 'OTHER': Specify which storage solutions you will use in the long term, in addition to/instead of the partners' networked research storage. Please explain the reasons for using these solutions.				
	Click here to enter text.				
	How will data security and protection of sensitive data be taken care in the long term?	 □ Not applicable (there are no sensitive data) □ Default security of the partners' networked research storage □ Additional security measures 			
		he main risks and how these will be managed. Inquire with age solution meets the data security policy if your research			
	Click here to enter text.				

What are the expected costs for data preservation in the long term? How will these costs be covered?
Costs related to data preservation in the long term can be covered by the project budget providing these are fully justified and relate to the project.
Click here to enter text.

Data sharing and reuse

Please answer the following questions taking into account the following information:

As stated before, data must comply, as much as possible with FAIR principles; it must be findable, accessible, interoperable and reusable. It is thus important that you provide information regarding data sharing and reuse. If applicable, data sets will be linked to the scientific publications they underpin and which have either been deposited in.

Note that the data available for sharing and reuse may differ from the preserved data, since there may be legal, IP, privacy or security related reasons preventing or restricting the access to data, or lacking of space for large data volumes to deposit them in a repository in its entirety. This could be the case for part or the entirety of data; in the short, mid or long term. A staged approach will provide access for communities of certified users, adapting the degree of certification of users to the sensitivity of the data.

Are there any factors restricting or preventing the sharing or reu (e.g. agreements with 3rd parties):	☐ YES ☐ NO	
If your answer is 'YES' : explain which data are affected by this agreeme State the restrictions that are in place.	ent.	
Click here to enter text.		
Which data will be made available to the public?		☐ ALL ☐ SOME PART ☐ NONE
If your answer is 'SOME PART' or 'NONE': Indicate the restrictions on the sharing of the data (why can't it be Explain what data sharing agreement will be implemented	shared)	
Click here to enter text.		
Where/how will data be made available to the public?	☐ In a restricted ac☐ Upon request by☐ Other (specify)	•

	When will data be made available to the public?		As soon as corresponding communication(s) are published After the project is finished After the completion of the project (with embargo)
	If your answer is other than 'as soon as corresponding communication the restrictions on the time release of data (embargo periods). For examproperties, or seek patents.		
	Click here to enter text.		
	Who will be able to access the data and under which conditions?	?	
	Click here to enter text.		
	Which data will be made available for re-use?		ALL SOME PART NONE
	If your answer is 'SOME PART' or 'NONE' : Indicate the restrictions on the could be taken to overcome or to minimize restrictions. Click here to enter text.	ne re	-use of the data. Explain what actions
R	esponsibilities		
P	lease answer the following questions/statements, taking into account th	e fol	lowing information:
	Who will be responsible for the data documentation & metadata	a?	
	In case of the use of personal data, please note the name and co protection officers.	ntac	t data of the concerned data
	Click here to enter text.		
	Who will be responsible for data storage & back up during the p	roje	ct?
	Click here to enter text.		
	Who will be responsible for ensuring data preservation and shar	ing?	
	Click here to enter text.		
	Who bears the end responsibility for updating & implementing t	his [DMP?
	Default response: The project coordinator bears the overall responsibili	ty fo	r updating & implementing this DMP.
	Click here to enter text.		

4. QUALITY OF THE PARTNERS / PARTNERSHIP

Non-industry partner(s): please provide a description of expertise and skills for each partner:

- Their professional background
- Maximum 5 top publications relevant for the proposal (indicate clearly the international peer reviewed publications)
- A list of the research projects carried out over the past five years in the topic of the call or related areas (specify the duration of the work and funding source).
- A list of their (inter)national contacts and the (inter)national networks to which they belong within the context of the proposal.
- The scientific quality, management, synthesis and communication skills of the coordinator.
- If possible, include web links for all the information above.

Industry partner(s):

please provide a description of expertise and skills for each partner:

- Their active production / research activities in Belgium
- A list of the products / prototypes / research projects they actively contributed to over the past five years in the topic of the call or related areas.
- A list of their (inter)national contacts and the (inter)national networks to which they belong within the context of the proposal.
- A list of their Defence customers, if any.
- The management, synthesis and communication skills of the coordinator.
- If possible, include web links for all the information above.

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COORDINATOR

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PARTNER 2	
Click here to enter text.	

PARTNER 3

Click here to enter text.

Copy the table to include more partners if needed.

Argument the motivation of choosing this partnership in addressing the topic of the proposal. The different dimensions of the added value in a partnership can be seen as (non-exhaustive list):

- All 3 entities of the triple helix are represented
- Well-balanced partnership
- Complementarity of expertise among partners
- Complementarity of disciplines and way of working (multi, inter) to properly cover the project objectives
- Long term perspective on collaboration: can this project be the starting point for a broadened or intensified collaboration?

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5. COHERENCE BETWEEN RESEARCH OBJECTIVES AND METHODOLOGY

Translate your research objectives into a methodology (used methods, techniques, systems and/or way of working) in order to achieve the results:

- The division of the project into phases
- The organisation of the project team
- The technologies used
- Detail the results your approach will enable to gather (expected outcomes):
- Take possible ethical issues into account if relevant

[5 pages]

Click here to enter text.

6. WORK PLAN

6.1. Relation of the work packages to the proposal objectives

Please provide a description of the project in terms of work packages, tasks, and deliverables in accordance with the GANTT chart.

Refer to:

- Number and title of Work Package, Work Package leader (financed, non-financed)
- Number, title and timing of tasks, task leader, participants to the task (financed, non-financed, subcontractors...)
- Timing of deliverables
- Number of person-months for each task
- Means, tools, procedures, techniques to carry out the tasks

Notes:

- The work plan must be detailed to the level of work packages (WP) and tasks (Tasks). The definition of subtasks is not possible.
- Work packages or tasks necessary for the implementation of the project but not financed by Defence must also be described and added to the GANTT chart.

Compulsory work packages:

- Coordination, project management and reporting
- Data management
- Valorisation / Dissemination / Exploitation

[1/2 pages/WP]

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- 6.2. Work planning and time schedule: GANTT chart
- 6.3. Workload intensity in relation to the work packages: GANTT chart

Complete the GANTT chart in accordance with the description of the detailed work plan, tasks and deliverables above.

- Work intensity of each partner within each task (expressed in person-month [PM])
- Include for each partner the person-months funded by the project and the person-months funded by other sources (see notes). Make sure that these data correspond with the data filled in the budget tables under point 6.5.

Notes:

- Partners include: financed, non-financed and subcontractors.
- 1 Person-month [PM] = 1 full-time equivalent [FTE] or 2 half-time equivalents over 1 month...
- Other sources of financing may include: salary payment by institutions other than Defence and/or via other projects, voluntary contributions... If a given task requires 7 person-months, and 6 months will be financed by the project, the 7th month must appear under 'other sources of financing'.

Compulsory work packages:

- Coordination, project management and reporting
- Data management
- Valorisation / Dissemination / Exploitation

6.4. Risk assessment of the project

Main risks

Number, identify and explain the main (max 10) incurring risks that could delay or hinder the project. Locate the number of each risk in terms of its likelihood of occurrence and impact on the project. (R1 & R2 are shown as an example)

Risk nr	Description of the risk	Likelihood	Impact
R1	Click here to enter text.	Choose an item.	Choose an item.
R2	Click here to enter text.	Choose an item.	Choose an item.
R3	Click here to enter text.	Choose an item.	Choose an item.
R4	Click here to enter text.	Choose an item.	Choose an item.
R5	Click here to enter text.	Choose an item.	Choose an item.
R6	Click here to enter text.	Choose an item.	Choose an item.
R7	Click here to enter text.	Choose an item.	Choose an item.
R8	Click here to enter text.	Choose an item.	Choose an item.
R9	Click here to enter text.	Choose an item.	Choose an item.
R10	Click here to enter text.	Choose an item.	Choose an item.

Additional information regarding Impact:

- Severe = impossible to achieve the main project objectives,
- Significant = there will be a direct and substantial impact on the projects' main objectives,
- Moderate = there is an impact on some of the projects' main objectives, but not to an extent that the overall goal cannot be achieved,
- Minor = the impact on the projects' main objectives is not substantial.
- Negligible = the risk will not cause any obstructions to achieve any of the projects objectives

Likelihood and impact

Locate the number of each risk in terms of its likelihood of occurrence and impact on the project. (R1 & R2 are shown as an example)

				IMPACT		
		Negligible	Minor	Moderate	Significant	Severe
	Very likely			R1		
0	Likely		R2			
LIKELIHOOD	Possible					
_	Unlikely					
	Very Unlikely					
	Low Low-Medium	n Medium	Medium-High	Severe		

Contingency measures

For each risk of category "medium high" and "severe" mitigation measures have to be defined and a check has to be made that the residual risk is below or equal to "medium".

Risk nr	Mitigating measures	Residual risk after mitigation (with motivation)
Choose an item.	Click here to enter text.	Click here to enter text.
Choose an item.	Click here to enter text.	Click here to enter text.
Choose an item.	Click here to enter text.	Click here to enter text.
Choose an item.	Click here to enter text.	Click here to enter text.
Choose an item.	Click here to enter text.	Click here to enter text.
Choose an item.	Click here to enter text.	Click here to enter text.

Choose	Click here to enter text.	Click here to enter text.
an		
item.		

References (not mandatory)

References to the content of the proposal that give a better understanding of the information provided in the tables above.

Refers to risk(s) number	Document or part of the proposal	Remarks
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.

6.5. Budget assessment

Budget overview

! See chapter 3.7 of the information file for the budget rules!

Double mouse click on table to open the excel sheet. Cells with a 0 in the template are calculated automatically. Please mention all amounts in kEuro.

EURO	Coord.	Partn.2	Partn.3	Partn.4	Partn.5	TOTAL	
Staff						0	
General Operation						0	
Specific Operation						0	
Overheads	0	0	0	0	0	0	
Equipment				_		0	
Subcontracting						0	
TOTAL PROJECT COST	0	0	0	0	0	0	
Private partner contribution (min 35%, 25% or 20% of private partner's costs)						0	
RHID contract contribution (max 65%, 75% or 80% of private parter's costs)	0	0	0	0	0	0	

Budget of the coordinator (P1)

Double mouse click on table to open the excel sheet. Cells with a 0 in the template are calculated automatically. Please mention all amounts in kEuro.

EURO	Year 1	Year 2	Year 3	Year 4	TOTAL	Private partner contribution	RHID contract contribution
Staff					0		0
General Operation					0		0
Specific Operation					0		0
Overheads	0	0	0	0	0		0
Equipment					0		0
Subcontracting					0		0
TOTAL PROJECT COST	0	0	0	0	0	0	0

Financing a private company is limited to a maximum of 65% of the eligible costs for LargeCap enterprises, maximum 75% for MidCap and 80% for SME. The remaining % is indicated in the columns "private partner contribution". The private partner contribution must be further detailed in the tables "staff", "specific operation", "equipment" and "subcontracting" hereunder.

Duplicate if necessary, with necessary partner-number changes.

Double mouse click on table to open the excel sheet. Cells with a 0 in the template are calculated automatically. Please mention all amounts in kEuro.

EURO	Year 1	Year 2	Year 3	Year 4	TOTAL	Private partner contribution	RHID contract contribution
Staff					0		0
General Operation					0		0
Specific Operation					0		0
Overheads	0	0	0	0	0		0
Equipment					0		0
Subcontracting					0		0
TOTAL PROJECT COST	0	0	0	0	0	0	0

Financing a private company is limited to a maximum of 65% of the eligible costs for LargeCap enterprises, maximum 75% for MidCap and 80% for SME. The remaining % is indicated in the colums "private partner contribution". The private partner contribution must be further detailed in the tables "staff", "specific operation", "equipment" and "subcontracting" hereunder.

Justification of the requested budget

Budget justification for the Coordinator (P1)

Staff

PM= person months

The example given in this table concerns a person who will work full time for the project during 1 year, of which 10 months will be financed by RHID and 2 months by the coordinator.

The total number under "PM financed by RHID (A)" must correspond to the total number in the column "person months DEFRA" in the Gantt chart. The total number under "PM not financed by RHID (C)" must correspond to the total number in the column "PM other sources" in the Gantt chart.

Personnel's profile	PM financed by RHID	Estimated full time monthly cost (Euro)	Total Cost charged to RHID (Euro)	PM not financed by RHID (= coordinator contribution)	Coordinator contribution (Euro)
(e.g. PhD in economics, 2 years experience)	A (e.g. 10)	B (e.g. 8.000€)	A x B (e.g. 80.000€)	C (e.g. 2)	C x B (e.g. 16.000€)
TOTAL					

Specific Operation

Charged to RHID: description:	Cost (Euro)
TOTAL RHID	
Not financed by RHID (= coordinator contribution): description:	
TOTAL coordinator	
TOTAL PROJECT	

Equipment

Charged to RHID: description:	Cost (Euro)
TOTAL RHID	
Not financed by RHID (= coordinator contribution)	
TOTAL coordinator	
TOTAL PROJECT	

Subcontracting

Charged to RHID: description:	Cost (Euro)
Name:	
Address:	
Tasks:	
TOTAL RHID	
Not financed by RHID (= coordinator contribution): description:	
Name:	
Address:	
Tasks:	
TOTAL coordinator	
TOTAL PROJECT	

Budget justification for Partner 2 (P2)

Duplicate if necessary, with necessary partner-number changes)

<u>Staff</u>

PM= person months

The example given in this table concerns a person who will work full time for the project during 1 year, of which 10 months will be financed by RHID and 2 months by the partner.

The total number under "PM financed by RHID (A)" must correspond to the total number in the column "person months DEFRA" in the Gantt chart. The total number under "PM not financed by RHID (C)" must correspond to the total number in the column "PM other sources" in the Gantt chart.

Personnel's profile	PM financed by RHID	Estimated full time monthly cost (Euro)	Total Cost charged to RHID (Euro)	PM not financed by RHID (= coordinator contribution)	Coordinator contribution (Euro)
(e.g. PhD in economics, 2 years experience)	A (e.g. 10)	B (e.g. 8.000€)	A x B (e.g. 80.000€)	C (e.g. 2)	C x B (e.g. 16.000€)
TOTAL					

Specific Operation

Charged to RHID: description:	Cost (Euro)
TOTAL RHID	
Not financed by RHID (= partner contribution): description:	
TOTAL partner	
TOTAL PROJECT	

Equipment

Charged to RHID: description:	Cost (Euro)
TOTAL RHID	
Not financed by RHID (= partner contribution)	
TOTAL partner	
TOTAL PROJECT	

Subcontracting

Charged to RHID: description:	Cost (Euro)
Name:	
Address:	
Tasks:	
TOTAL RHID	
Not financed by RHID (= partner contribution): description:	
Name:	

Address:	
Tasks:	
TOTAL coordinator	
TOTAL PROJECT	