



## INFO SESSION: STARTER PROJECTS FOR CIRCULARITY IN DEFENCE

IF CEED is co-funded by:

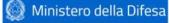
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The LIFE Programme of the European Union









#### INCUBATION FORUM FOR CIRCULAR ECONOMY IN EUROPEAN DEFENCE (IF CEED) Agenda



- 1. Introduction to IF CEED
- 2. Objectives of the Call for Proposals
- 3. Expected Outcome
- 4. Expected Deliverables
- 5. Key Aspects of the Call

- 6. Eligibility Criteria
- 7. Exclusion Criteria
- 8. Awarding Criteria
- 9. Forms
- 10. Foreseen Timeline

#### Followed by Q & A



## **1. INTRODUCTION TO IF CEED**

#### AIM

## **Implement circularity principles** in **European Defence** by:

- incubating collaborative project ideas;
- enabling transnational innovative solutions and revised business models.

#### Contribute to:

- ✓ EU Climate Change and Defence Roadmap
- Joint Communication on the climate and security nexus
- ✓ EU Green Deal





- Ministries of Defence (incl. NCPs/PoCs)
- Any pertinent EU / national / international body/organisation
- Academia



- Industry
- Research-and-Technology-Organisations
- Financial institutions

#### HOW?

Experts work within incubation groups called "Project Circles" (PCs)

Incubation Groups								
PC Critical Raw Materials	PC Circular Additive Manufacturing	PC Circular Materials for Textiles	PC Sustainable Ecodesign		PC EMAS Uptake Strategy	PC Green Procurement	PC Circular Data (+ ex WFD, 9.1.i)	PC Spare Parts Management

For anyone willing to join a PC, please email: circular.economy@eda.europa.eu

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## **1. INTRODUCTION TO IF CEED**

Outcome of IF CEED Phase 1: project ideas

For a full overview of project idea factsheets, please click here: <u>Project Ideas (europa.eu)</u>



Incubation Forum for Circular Economy in European Defence (IF CEED)

Circularity of titanium using recycled source materials for Additive Manufacturing



#### Context

complex shaped components, is very expensive due to the very high price of the material and the amount of scrap generated by conventional production processor. As a result, armour manufacturers are failing back on materials that are specifically heavier and cheaper, i.e. steel.		
Additive Manufacturing (AM), by using recycled materials, can reduce the consumption of imported first-use materials and the associated costs, as it allows en red-shape manufacturing (the resulting parts is close to the final shape). The ability to source materials locally averaging and elaboration of semi-finished products for AM would bring further economic benefits, associated with reducing the carbon toopsinit throughout the product life cycle.		







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natural resources on the one hand side and to provide an operational advantage on the other hand side.

Creating ad-hoc processes and a marketplace fi

the reuse of such parts (either direct or after

retrofit/remanufacturing), is needed to deliver on this potential. Where parts cannot be

additive manufacturing will help closing the

itimately used anymore, re-design and

The project idea aims at developing a (legal

ind technically) robust and systematic appro o retain maximum value for parts/materials

originating from decommissioned asset

Objectives

(IF CEED) Project idea

Incubation Forum for Circular Economy in European Defence

Circular management of Spare Parts from

decommissioned assets

ightforward way to i

Decommissioning in the military domain means

ithdrawing military equipment from service.

creasing effort of maintenance, specifically

nomically cost of operating the asset, as well the fact that some parts are becoming solete and cannot be manufactured anymore.

then it comes to older devices: the costs for

Saining (high value) spare parts from decommissioned military assets and sharing

ose among nations who are keeping o

the same assets will bring added value to all

One reason for decommissioning is the



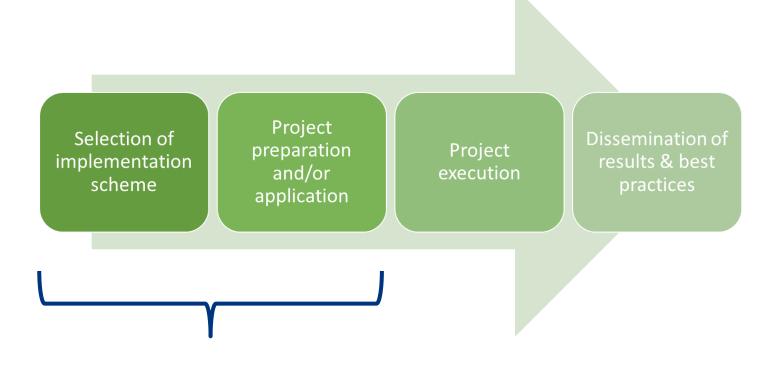




## **1. INTRODUCTION TO IF CEED**

Current phase: implementation of the project ideas.





> Starter grants are part of the implementation strategy.





The call for proposals has the objective to select "Starter Projects" aimed at developing <u>Proofs of Concepts</u> - or similar tangible results –

in line with the scope of the IF CEED project ideas.

"Starter projects" must bring a substantiated progress beyond the state of the art via technological progress, novel character of the use case addressed and/or development of new tools (including but not limited to IT applications and training material).

> Indicative duration of the action under (each) grant agreement: 12 months.

Proposals for a duration <u>exceeding 15 months</u> will <u>not be considered</u>.

24.ISE.CP.140 - Proofs of concept aimed at enhancing circularity in defence applications (europa.eu)



#### 3. EXPECTED OUTCOME (SECTION 2.1)



- > Tangible results expected from "starter projects" include but are not limited to:
- Parts and/or products and/or representative samples with recycled content and associated technical information on processes and testing (e.g. for critical raw materials, additive manufacturing, textiles);
- **IT application or low-level prototype** (e.g. for design, spare parts management, secure transmission of information);
- Application of IT tools or organisational processes to military use cases;
- **Training** programme and/or pilot course.
- > This must be accompanied by specific reports and a public summary.





The following deliverables are expected to be submitted in digital format during the implementation of the grant agreements:

- 1. periodic (quarterly) reports on the execution of the starter projects, summarising the tasks executed, main results, tasks foreseen for the next quarter, information on potential issues in the execution;
- 2. a final report detailing the results, deliverables of the starter project as well as a description of the proposed way ahead (next steps, exploitation, dissemination);
- 3. a public summary of the project and its results, in the form of a presentation (5-10 slides).



#### **5. KEY ASPECTS OF THE CALL** (CHAPTERS 3, 4)



Duration of the action	<b>12 months</b> A duration of 12 months is considered adequate to meet the objectives of the call for proposals. Proposals for a duration exceeding 15 months will not be considered.	
Budget per project	EUR 75 000 to 300 000	
Co-financing rate	Max. 95 %	
Number of projects to be funded	Up to 5 projects	
Applicants	Small Consortium (min. 2 applicants from 2 eligible countries)	





- > Legal persons established in one of the EU Member States.
  - Applicable to the coordinator, all co-applicants, as well as affiliated entities.
- > The proposal must be submitted by a consortium composed of at least two (2) entities, from at least two

eligible countries.



#### 7. EXCLUSION CRITERIA (CHAPTER 8)



#### Exclusion from participation

• Exclusion criteria are specified in the standard **Declaration of Honour (A4 Form)** of this call and apply to all applicants **and all affiliated entities** 

#### Exclusion from award

- have misrepresented the information required by EDA as a condition of participation in the grant award procedure or fail to supply this information upon request by EDA;
- were previously involved in the preparation of the call for proposal documents where this entails a distortion of competition that cannot be remedied otherwise;
- are a Restricted Person and fall under the scope of subject to EU Restrictive Measures in the list published at <u>www.sanctionsmap.eu</u>. In case of discrepancies between 'sancitonsmap.eu' and the restrictive measures published in Official Journal of the EU, the latter prevails.



#### 8. AWARDING CRITERIA (1/4) (CHAPTER 10)



Criterion 1. Relevance and viability of the proposed approach (25 points)

Sub-divided in:

- Sub-criterion 1.1: Relevance of the proposal to the objectives of the call and aspects of circularity in defence (5 points)
  - This sub-criterion will assess:
    - > how the proposed activities match in detail with the specific objectives of one or several project ideas;
    - > the relevance of the proposal to the military context
    - the extent to which the proposal relates to the different aspects of circularity (ecodesign, extension of lifetime, recycling, use of recycled content, repair/retrofit/remanufacturing, training).

#### Sub-criterion 1.2: Viability, rationality and innovativeness of the proposed methodology (20 points)

- This sub-criterion will assess:
  - > The soundness of the overall intervention logic (Concept and methodology);
  - > The robustness of the baseline of the project in terms of state-of-the-art, already existing solutions;
  - The innovative character of the proposal, in terms of technological progress, novel character of the use case addressed and/or development of new tools.
  - The realistic character of quantitative targets set out the project from a technical perspective (e.g. % of recycled content in (semi)product, mechanical performance, reduction of use of hazardous substances, number of people trained).



#### 8. AWARDING CRITERIA (2/4) (CHAPTER 10)



Criterion 2. Impact of the proposed activities (25 points)

#### Sub-divided in:

#### > Sub-criterion 2.1: Expected impact, respectively 5 and 10 years after the project (20 points)

- This sub-criterion will assess both the expected impact resulting from the action and the robustness of the underlying assumptions regarding:
  - > environmental gains and mitigation of environmental effects
  - military operational benefits
  - business impact and size of the market
  - by providing for example quantitative measures or other indicators.

#### > Sub-criterion 2.2: Credibility and effectiveness of the measures for the exploitation of project results (5 points)

- This sub-criterion will assess the credibility of measures for the exploitation of project results, including but not limited to:
  - > up-scale by public or private actors or through mobilising larger investments or financial resources;
  - $\succ$  replication in the same or other sectors or places.



#### 8. AWARDING CRITERIA (3/4) (CHAPTER 10)



#### > Criterion 3. Implementation, coherence and effectiveness of the work plan (30 points)

Sub-divided in:

#### Sub-criterion 3.1: Feasibility of the work plan (25 points)

- This sub-criterion will assess the coherence and appropriateness of the activities for achieving the proposed outcomes by assessing:
  - > work breakdown and schedule management
  - deliverables
  - milestones

#### Sub-criterion 3.2: Quality of the proposed risk management (5 points)

• This sub-criterion will assess the Identification of risks and mitigation measures applied to the work foreseen in the proposal.



#### 8. AWARDING CRITERIA (4/4) (CHAPTER 10)



#### > Criterion 4. 4. Quality of the resources deployed in relation to the objectives envisaged (20 points)

Sub-divided in:

- Sub-criterion 4.1: Composition of the project team (10 points)
  - o in terms of expertise, skills and responsibilities and appropriateness of the management structure es
- Sub-criterion 4.2: Appropriateness and transparency of the budget and resources and their consistency with the work plan (10 points)



If a total score lower than 60 of 100 points or a score lower than 50% for any of the four criteria is obtained, the proposal will not be evaluated further and will be rejected.



### 9. FORMS



#### In Annex I:

- > A1. Consortium composition
- > A2. Coordinator
- > A3. Co-applicant profile (NB: 1 per legal entity)
- > A4. Declaration of Honour

Annex II  $\rightarrow$  Explanations on financial capacity check

#### In Annex III:

- > B1. Technical proposal
- > B2. Operational capacity

In Annex IV:

> C1. Estimated budget

Annex V $\rightarrow$  Draft Grant Agreement



#### **10. FORESEEN TIMELINE** (CHAPTER 3)



	Stages	Date/time or indicative period
a)	Publication of the call	17 October 2024
b)	Deadline for request for clarifications	8 November 2024
C)	Publication of the clarifications	12 November 2024
d)	Deadline for submitting applications	18 November 2024 17:00 CET
e)	Evaluation period	November - December 2024 (indicative)
f)	Information to applicants on the outcome of the evaluation	January 2025 (indicative)
g)	Signature of the grant agreement	March 2025 (indicative)

In case of questions please contact: Grant@eda.europa.eu To submit your proposal please send it to: 24.ISE.CP.140@eda.europa.eu



# IF (we)





# we harvest!

MANY THANKS FOR YOUR ATTENTION

For questions or expression of interests, email: circular.economy@eda.europa.eu



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