Scaling Up secure Processing, Anonymization and generation of Health Data for EU cross border collaborative research and Innovation

Annex 2.1

SECURED OPEN CALL

Technical Proposal Template

August 2024

Version 1.0

Table of Contents

PROPOSAL TEMPLATE- GENERIC INSTRUCTIONS

Please read carefully before starting your proposal

Use this template to prepare your proposal, ensuring that the important aspects of your planned work are measurable against the evaluation criteria. Sections 1 to 4 of this template correspond to the evaluation criteria (see Annex 1 – Guidelines for Applicants for details).

- **Structure:** Follow the structure of this template to prepare your proposal. Proposals that deviate from this structure may be disqualified.
- **Completeness:** Ensure your proposal addresses all required aspects. Proposals that do not meet the necessary criteria will not be considered for funding.
- **Resources:** Utilize the communication tools provided by the SECURED consortium (e.g., webinars, helpdesk, and Q&A sections on the website) for feedback and clarifications prior to submission.
- **Page Limit:** The total length of the proposal (Sections 1-5) must not exceed **10 pages.** This limit excludes the cover page, project summary, and Ethics/Security sections.
    - Figures and tables are permitted but must fit within the page limit.
    - The minimum font size is **11 points** (10 points for tables).
    - Page format: **A4,** with default margins.
    - Paragraph spacing: minimum **0pt** before/after, line spacing **1pt**.
    - Fonts: **Calibri** or **Arial**, font color: **Black.**

If the proposal exceeds the page limit, the extra pages will not be considered by the evaluators. Please remove this instructions page and any guidance text before submission.

Cover Page

PROPOSAL INFORMATION AND PARTICIPANTS

Proposal Acronym:
Proposal Title:
SECURED Service Selected [ID]:{select one or more: 1. Secure Multiparty Computation (SMPC), 2. Homomorphic Encryption (HE), 3. Advanced Anonymization (AA), 4. Synthetic Data Generation (SDG)}, (e.g., 1, 3)

**examples-Indicative answers

- **Proposal Acronym:**
    (Provide a short and memorable acronym that summarizes your proposal. It should be easy to remember and reflective of the project's goal.)

Example: PRIV-HEALTH
(For a project focusing on privacy-preserving health data analytics.)
- **Proposal Title:**
(Write a descriptive title that fully conveys the purpose of your project. It should be clear and provide an overview of the project's objective.)
Example: Privacy-Preserving AI Analytics for Secure Health Data Collaboration
(For a project aimed at applying privacy-preserving AI to health data collaboration.)
- **SECURED Service Selected [ID]:**
(Select the SECURED service that aligns with your project. The services typically fall into categories such as Secure Multiparty Computation (SMPC), Homomorphic Encryption (HE), Advanced Anonymization (AA), or Synthetic Data Generation (SDG). Choose the appropriate service ID from the options provided by the SECURED project.)
Example: [ID: SMPC-HE]
(For a project focused on Secure Multiparty Computation for Health Data [SMPC-HE].)

Partner No.	Partner Name	Country
Partner 1 (Coordinator)		
Partner 2 (if applicable)		
Partner 3 (if applicable)		

Note: In the context of a consortium consisting of SMEs, universities, organizations, and individuals, the role of the coordinator cannot be assigned to an individual. Coordinating a project funded by the SECURED Open Call requires substantial administrative, financial, and organizational resources that individuals typically do not possess. The coordinator must ensure compliance with complex legal, reporting, and financial management obligations, which demand institutional infrastructure, long-term stability, and risk management systems. Therefore, by the requirements of the SECURED Open Call, consortium proposals with an individual as the coordinator will not be considered for evaluation. Please specify only the primary service that your proposal addresses.

PROJECT DESCRIPTION

0. Summary

Please provide a public summary of the project that may be published if it is funded. The summary should not exceed 2,000 characters (with spaces).

1. Concept

Describe the overall concept and objectives of the project, ensuring alignment with the scope of the SECURED Open Call. Address the challenge proposed by SECURED and include the following elements:

- The specific **healthcare scenario** and proposed solution(s), highlighting the integration of SECURED services and components (see Annex 1.1).
- The **technical challenges** and **barriers** that the project aims to solve.
- The **expected outcomes**, ensuring they are justified, measurable, and realistic within the project timeline.
- The **innovation potential**, emphasizing how the project is novel and contributes to secure data analytics in the healthcare sector.
- The **Technology Readiness Level (TRL)** of the proposed solution.

2. Impact

2.1 Socio-Economic Impact

- Describe the relevance, socio-economic impact, and benefits of the project, including its relevance to **healthcare data privacy** and **secure multiparty computation**.
- Highlight the project's **industrial relevance** and **market potential**.
- Outline its contribution to **data privacy** and the **advancement of privacy-enhancing technologies** within healthcare analytics.

2.2 Commercialization and Business Strategy

- Describe the **commercialization strategy** and planned activities during and after the project to ensure sustainability and impact.
- Include any **promotional activities** that are planned to raise awareness of the project's solutions.

3. Implementation

Describe the proposed **experiment** and the **work plan** for achieving the objectives and results. Include the following:

- **Specific activities** to be implemented, the time required, and the expected outputs.
- Relevant **milestones** and **KPIs** to measure progress and success.
- How the **experiment** will be demonstrated and validated using SECURED services.
- An outline of **external risks** that may affect the work plan.

Table 1: Suggested format for describing activities

Workplan Activity Name	Activity Description	Planned Duration	Expected Output
Activity 1			
Activity 2			

Table 2: Suggested format for describing milestones

KPI Name	KPI Description	Target Value	Delivery Month
KPI 1			

4. Consortium

4.1 Consortium Structure and Capacity

Provide the core consortium structure in the table below, including the names of individuals associated with each partner. The individuals listed in the proposal must be later involved in the execution of the project. While it is acceptable to involve additional team members in project implementation who are not identified in the proposal, the core team outlined below must remain intact.

Additionally, provide a detailed overview of the consortium, listing all partners and their respective roles. Include the following:

- Names of the **core team** members along with a brief summary of their expertise.
- A description of each team member's **experience** in relevant fields (e.g., previous projects, publications, etc.).
- A justification of how the consortium's **structure, expertise, and gender balance** contribute to the project's success.

Partner No.	Partner Name	Person	Gender	Role	LinkedIn Profile	Key Expertise
Partner 1		Person 1				

5. Resources

5.1 Person-Months Allocation

Provide the number of **person-months** (full-time equivalent) for each partner involved in the project for the duration (**up to 6 months**) of the project.

Table 4: Person-months allocated to the project

Partner No.	Name	Person Months (PMs)
Partner 1	Person 1	
Partner 2		

5.2 Expected Costs and Requested Contribution

Provide a detailed description of expected costs and requested funding using the following table:

Table 5: Breakdown of costs.

Cost Category	Partner 1	Partner 2	Partner 3 (if applicable)	Total Consortium
[A] Direct personnel costs				
[B] Travel costs				
[C] Equipment costs				
[D] Other direct costs				
Subcontracting				
Indirect costs				
TOTAL COSTS				
TOTAL REQUESTED FUNDING				

6. Ethics and security

For the SECURED Project, if you have identified any ethical issues in the **Ethical Issues Table**, you must take the following steps:

- **Submit an Ethics Self-Assessment**, which includes the following components:
  - **National Legal and Ethical Requirements**: Describe how the proposal complies with the national legal and ethical requirements of the country or countries where the tasks that raise ethical issues will be conducted
  - **Detailed Ethical Issue Mitigation**: Explain in detail how you plan to address the identified ethical issues from the table. Specifically, this should cover:
    - **Research Objectives**: Outline the ethical considerations related to research objectives, such as the study of vulnerable populations, potential dual-use technologies, or other sensitive topics.
    - **Research Methodology:** Address the methodology and any ethical safeguards, including consent procedures for participants (e.g., involvement of children or vulnerable populations, clinical trials, and the protection of personal data).
    - **Potential Impact:** Consider the broader impact of the research, including risks of dual-use, environmental harm, stigmatization of social groups, political or financial retaliation, benefit-sharing, or the malevolent use of research outcomes.
- **Provide Required Documents** under national law, if applicable:
  - **Ethics Committee Opinion**: A document from the relevant ethics committee or board approving the research.
  - **Authorization or Notification Documents**: Any official documents that notify or authorize activities raising ethical concerns.

  If these documents are **not in English**, include an **English summary** of the documents. The summary should include the conclusions of the ethics committee or authority, where available.

- **Future Requests**:
  - If the required documents will need to be requested specifically for the project, the request must include an explicit reference to the **SECURED Project** title.
- Complete the **Ethics/Security** Annex (Ethics/Security Checklist). Address all relevant ethical and security concerns associated with the project. This ethics self-assessment is crucial to ensure that your proposal complies with both national and international ethical standards, particularly in the fields of healthcare and secure data analytics.

Ethical Issues Table: Answer "YES" or "NO" for each question.

Question	YES/NO
Does the proposal involve children?	
Does the proposal involve human biological samples?	
Does the proposal involve processing of personal data (e.g., health data)?	
Does the proposal involve research on animals?	
Is there any potential for the dual use of results?	
Will the project involve EU-classified information?	

I confirm that none of the above issues apply to my proposal: [YES/NO].