

Funding Application for Joint Applied Research Projects

PN-II-PT-PCCA-2012-4

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0. EXECUTIVE SUMMARY OF THE PROPOSAL

Copy the summary used on the submission website, www.uefiscdi-direct.ro.
(maximum 4000 characters).

This summary will be sent to external peer reviewers during the selection process. It is recommended to pay special attention to the writing of this summary in order to encourage the acceptance of the approached external peer reviewers and to allow an appropriate evaluation of your proposal.

1. TECHNICAL AND SCIENTIFIC DESCRIPTION OF THE PROJECT

For information only: maximum 10 pages for this section.

The content of this section corresponds to the first evaluation criterion (technical and scientific quality of the project proposal).

1.1. THE PROJECT TOPIC AND ITS PRACTICAL RELEVANCE

*State the project topic, and specify how it is correlated with the thematic of the call.
Underline the practical relevance of the problem to be addressed and solved.*

*If applicable, describe **the project end-product(s)**, present the **expected results**, with if possible appropriate evaluation and success criteria to determine the end-of-project results.*

1.2. PROJECT CONTRIBUTION BEYOND THE STATE OF THE ART

*Summarize the state of the art and identify the bottlenecks.
Specify the project contribution to the progress beyond the state of the art.
Include the necessary bibliographic references in section 5.*

1.3. PROJECT OBJECTIVES AND OUTCOMES

*Describe the project **objectives** and the **scientific and technical barriers** that will be lifted by carrying out the project.
State the project outcomes and their comparative contribution with respect to previous/preliminary achievements.*

1.4. ORIGINAL AND INNOVATIVE CONTRIBUTIONS OF THE PROJECT

Underline the original and innovative aspects of the project outcomes.

1.5. INTER-, MULTI-, OR TRANS- DISCIPLINARY CHARACTERISTICS

*Describe the disciplinary components of the project and their correlation within an inter-, multi-, or trans-disciplinary approach.
Show how **the scientific disciplines are interlinked**.*

2. IMPACT AND DISSEMINATION OF THE PROJECT RESULTS

For information only: maximum 5 pages for this section.

The content of this section corresponds to the second evaluation criterion (impact and dissemination of the project results).

2.1. DISSEMINATION AND EXPLOITATION OF THE PROJECT RESULTS

Describe the main dissemination steps and the main dissemination vehicles used in the project.

2.2. POTENTIAL APPLICATIONS WITH MARKET POTENTIAL

Estimate the further exploitation of the results, including potential commercialization, beyond the project duration.

2.3. ESTIMATED IMPROVEMENTS IN THE QUALITY OF LIFE, WITH RESPECT TO CURRENT PERFORMANCE OF PRODUCTS, TECHNOLOGIES AND/OR SERVICES

*Present how the project outcome might contribute to the improvement in the quality of life, specifying the particular aspects directly related to the project contributions
Assess the comparative advantages of the project outcomes with respect to the known performances of existing products, technologies and/or services.*

2.4. PROJECT INTEGRATION IN THE DEVELOPMENT STRATEGY OF PARTNER COMPANIES

*Briefly state the correlation between the development strategies of partner companies and the topic/outcomes of the project.
Specify the partner companies needs specifically addressed within the project.*

2.5. INTELLECTUAL PROPERTY PROTECTION

*Present the agreement within the consortium for intellectual property protection.
Specify the main actions for intellectual property protection.*

3. CONSORTIUM DESCRIPTION

The content of this section corresponds to the third evaluation criterion (quality of the consortium).

3.1. PROJECT DIRECTOR

The project director should provide a short curriculum vitae (1 page maximum), containing:

- *name, first name, age, career path, current position*
- *professional experience in the topic of the project*
- *list of the five most significant achievements related to the project (e.g. peer-reviewed publications in scientific journals, national/international patents, prototypes, demonstrators, innovative technologies and services).*
- *previous projects related to the present proposal*
- *prizes, distinctions, membership in prestigious international professional associations*

3.2. CONSORTIUM STRUCTURE

Briefly describe each partner (CO, P1-Pn) and provide the necessary elements to assess their qualification in the project ("why who does what"). These elements can be past achievements, indicators (publications, patents), why the partner is interested in the project, etc. (maximum 0.5 page per partner)

CO – Coordinating Organisation

P1-Pn – Partner Organisation

For all partners, indicate in a table (see the below example) other on-going projects having possible links with the proposed research work.

Partner	Name of involved people	Project name, funding institution, grant allocated	Start and end dates
N°			
N°			

3.3. PARTNER RESEARCH TEAM LEADERS

Each partner research team leader should provide a short curriculum vitae (0.5 page maximum), containing:

- name, first name, age, career path, current position
- professional experience in the topic of the project, related to the partner task.
- list of three most significant achievements related to the project (e.g. peer-reviewed publications in scientific journals, national/international patents, prototypes, demonstrators, innovative technologies and services).
- prizes, distinctions, membership in prestigious international professional associations

3.4. PARTNER TEAMS STRUCTURE

For each partner, indicate the research team structure (research positions, other than the team leader), in correlation with the allocated task(s).

For the key persons within the research team provide a short curriculum vitae (0.5 page maximum), having the same structure as the research team leader CV.

3.5. CONSORTIUM COMPLEMENTARITIES AND SYNERGIES BETWEEN PARTNERS

Show the complementarities and added value of the collaborations between partners. The interdisciplinary and the openness to diverse collaborations must be justified in accordance with the project orientations.

4. PROJECT MANAGEMENT

For information only: maximum 5 pages for this section.

The content of this section corresponds to the fourth evaluation criterion (management, methodology, work plan, milestones, budget).

4.1. WORK PLAN, TASKS AND LOAD BALANCING

Describe "who does what": present the scientific programme for all partners and justify the programme work breakdown into tasks consistent with the objectives.

Describe all the tasks for all partners. For each task describe:

- *the goals and success indicators if any,*
- *the task leader and the partners involved (this can be indicated in graphic form),*
- *the detailed work programme,*
- *the deliverables,*
- *the contributions of the partners (“who does what”),*
- *a description of the methods and technical choices and the way in which solutions will be brought,*
- *the risks and the back-up solutions envisaged.*

A table summarizing all the project deliverables may be provided (task number, date, title, leader) specifying the technical and scientific milestones, the bottlenecks or contingencies that could jeopardize the project outcome, and the planned project meetings.

4.2. COORDINATION AND TASK SCHEDULE

Present the task schedule and the corresponding sequencing within a Gantt chart.

4.3. AVAILABLE RESEARCH INFRASTRUCTURE, AND ITS UPGRADE/DEVELOPMENT

List the main research equipment (with a brief description) and infrastructure available at each partner, related to the project topic and specific tasks.

Specify if and how the infrastructure will be upgraded and/or developed during the project.

4.4. MANPOWER ALLOCATION

Specify the allocation of person-months allocation for the research team members, related to the complexity of their tasks.

4.5. PROJECT BUDGET AND PARTNERS SHARE

Present the overall project budget, according to the eligible costs structure, and budget allocation for each task.

Specify the budget split among partners.

5. REFERENCES

Include the list of bibliographic references used in the “State of the art” section and the partners’ bibliographic references related to the project.