**Evaluation criteria for experts from European Commission’s database for evaluation of the mid-term scientific quality within refinanced European Research Council “Advanced Grant” project in the Measure 1.1.1.5**

**SCIENTIFIC EXCELLENCE**

*Evaluate the information in the section 1.4. “Scientific publications”, 2 “Scientific excellence” and other sections of Mid-term report as well as correspondence to the planned progress as per project proposal annex “Research Proposal” Part B1 and B2.*

The expert should evaluate:

1) whether the implementation of the project is aimed at the achieving of objectives and results planned in the application;

2) whether used research methodology appropriate to achieve the goals of the project?

3) whether research activities involve the development of novel methodology?

4) whether the methodology used in the project is appropriate for the achievement of the project objective and final results;

5) whether the scientific quality of the achieved research/innovation results[[1]](#endnote-1) is appropriate, considering the scientific value of the achieved results, the level of novelty, interdisciplinarity;

(a) the activities carried out so far and the results achieved are scientifically sound and innovative;

(b) the information contained in the scientific articles developed and published within the project corresponds to the purpose and content of the project;

(c) the product or technology developed within the project implementation complies with the definition of a new product[[2]](#endnote-2) or new technology[[3]](#endnote-3) (if applicable). Compliance with the definition of a new product or technology should be assessed in the light of:

- comparison of the market and parameters of the products or technologies in the market and the target market and parameters of the developed prototype within the project: functional characteristics, use, technical specification, components, materials, software, cost price;

- the commercialization potential of the new product / technology prototype developed within the project, characterized by the level of technological readiness (TRL) and the degree of innovation;

**Expert evaluation:**

|  |  |
| --- | --- |
| Compliant with the planned |  |
| Compliant with suggestions for improving research progress |  |
| Not compliant with the planned |  |

|  |  |
| --- | --- |
| Recommendations for the project implementation (*to be filled in if evaluation result "Compliant with suggestions for improving research progress /Not compliant " is selected*) |  |

**SOCIO-ECONOMIC IMPACT**

*Evaluate the information in Section 3 “Socio-economic Impact” and other sections of the Mid‑term report as well as correspondence to the planned progress as per project proposal annex “Research Proposal” Part B1 “Methodology and impact”.*

The expert should evaluate:

1) the social and economic impact of the research results achieved, including the implementation of the economic transformation directions, priorities or smart specialization areas defined in RIS3;

2) the impact of the dissemination and transfer of research results on the needs of beneficiary institution, economic development and society.

**Expert evaluation:**

|  |  |
| --- | --- |
| Compliant with the planned |  |
| Compliant with suggestions for improving research progress |  |
| Not compliant with the planned |  |

|  |  |
| --- | --- |
| Recommendations for the project implementation (*to be filled in if evaluation result "Compliant with suggestions for improving research progress /Not compliant " is selected*) |  |

**QUALITY OF IMPLEMENTATION**

*Evaluate the information in section 4 “Quality of implementation” and other sections of the Mid-term report”, including the appendix “Project Budget Summary”.*

The expert should evaluate:

1) the conformity of financial resources used for the implementation of the project activities with the amount of work accomplished and the results achieved;

2) efficiency of the project activities (activities, work packages), tasks, deliverables and milestones, and compliance with the planned project proposal “Research Proposal” Part B 3 and the time chart (Gantt chart). The expert will evaluate, inter alia, whether the remaining research results can be achieved during the remaining project implementation period;

3) the adequacy of the resource and results management system for the purpose (s) of the project, including quality and risk management;

4) quality of cooperation of scientific staff and contribution to the achievement of the project objectives.

**Expert evaluation:**

|  |  |
| --- | --- |
| Compliant with the planned |  |
| Compliant with suggestions for improving research progress |  |
| Not compliant with the planned |  |

|  |  |
| --- | --- |
| Recommendations for the project implementation (*to be filled in if evaluation result "Compliant with suggestions for improving research progress /Not compliant " is selected*) |  |

***Evaluation procedure for scientific quality***

1. The mid-term evaluation of the scientific quality of the project consists of two stages:

1) the initial individual assessment of each expert made according to the evaluation criteria;

2) formulation and approval of the consolidated opinion of the expert group.

2. In the initial individual assessment, the expert assesses the evaluation form in each of the evaluation criteria (i.e. Scientific Excellence, Socio-Economic Impact, Quality of Implementation), indicating its relevance to the specific criterion “*Compliant with the planned / Compliant with suggestions for improving research progress / Not compliant with the planned*”; reasonably argue its assessment. If an expert's assessment of one of the criteria is “*Compliant with suggestions for improving research progress / Not compliant with the planned*”, the expert makes recommendations to improve the implementation process of the project by completing the additional section “*Recommendations for the project implementation*”, which should also indicate the degree of achievement of the research results and results achieved in the project against the initial mid-term (in percentage terms).

3. In order to develop a consolidated assessment, including a unified view of the degree of achievement of the project results at the originally planned (in percentage) of the project, the experts will agree on the consolidated view, which includes a mid-term evaluation of the project and recommendations for the scientific quality and implementation process of the project (if necessary).

4. Consolidated assessment includes assessment, argued justification in each of the assessment criteria, as well as recommendations for improvement of project implementation process (if applicable). In the reasoning section, each of the evaluation criteria should indicate the strengths and weaknesses of the project's progress.

5. If experts agree that there is a fundamental disagreement between them and it is not possible to achieve a consolidated assessment of the project, the experts shall inform the Central Finance and Contracting Agency (hereinafter - CFCA) thereof and discontinue the evaluation of the project.

In such a case, the CFCA invites the third expert - a dispute solver. The third expert is introduced to all previously prepared mid-term evaluation documentation of the scientific quality of the project, including the draft consolidated assessment, which has not been agreed upon by the two previous experts. The third expert prepares a new consolidated view. The evaluation of each of the criteria in this opinion may not exceed the lowest or highest rating given in the individual assessments. For each criterion, the arguments of all three experts should be summarized.

6. The anonymous evaluation of experts, without the names of experts, shall be available to the beneficiary (host institution) and the researcher. Implementation of the recommendations to improve the scientific quality and implementation process of the project will be considered/ assessed in the evaluation of the final scientific quality.

1. The specific output indicators to be achieved within the project are given in Table 1.6.1 of the report and are as follows:

(a) original scientific articles published in journals or collections of conference articles whose quotation index reaches at least 50 percent of the industry's average citation index;

(b) original scientific articles published in journals or conference proceedings included in the Web of Science or SCOPUS (A or B) databases;

(c) "technology rights" means patents or other intangible assets;

(d) intellectual property license agreements;

e) prototype of a new product or new technology;

(f) new treatment and diagnostic methods (including non-commercial method);

(g) other results of the project specific to the specificity of the study (including data) complementing the research results referred to in points (a), (b), (c), (d) and (e) of this criterion, including the results specified in the Research proposal Part B Chapter 2 “Impact” if not included in the results above. [↑](#endnote-ref-1)
2. A new product: a new product has been developed (goods or services that are brand new or have advanced functional features, or change the expected use (including changed or improved technical parameters, components, materials, added software, user-friendly features)) to provide knowledge and technology transfer (i.e. providing certain knowledge, production skills and technology from the developer to the user for production or use purposes) or project development in production or service delivery.

The following shall not be considered a new product:

• stopping the use of part of a process;

• replacement of capital or extensive extensions (purchase of modules identical to those used, minor extensions, upgrades of equipment and software). New equipment or extensions must have substantial improvements to the specification;

• changes in component prices due to changes in product prices (product price or production process productivity changes are not considered product innovations, such as computer production, reduced chip price, reduced sales prices for the same computer model);

• customization of products to specific needs (e.g. customization of the product to the customer's needs, which does not lead to changes in the functional or technical characteristics of the new product which ensure a higher competitiveness of the new product compared to the existing products);

• daily, seasonal and cyclical changes and improvements (for example, in the clothing manufacturing, a new seasonal collection is not considered to be an innovation);

• design changes (including taste and smell) that do not change function, use or technical characteristics;

• resale of other manufacturers' goods or processes;

• improvements in marketing (including aesthetic changes);

• improvement of organizational processes in the operation of the merchant. [↑](#endnote-ref-2)
3. A new technology – technology, that meets the requirements of Commission Regulation (EU) No 172/2014 of 17 June 2014 On the definition of certain categories of aid as compatible with the internal market pursuant to Articles 107 and 108 of the Treaty (Official Journal of the European Union, 26 June 2014, No L 187), as defined in Article 2 (114), i.e. is a new and unproven technology compared to the technical level achieved in the industry, which is associated with the risk of technological or industrial failure and is not the optimization or improvement of existing technology. [↑](#endnote-ref-3)