



Application review form

International Co-Investigator Scheme: Engineering fields

September 2020 call

Panel/Name of reviewer:

Application number:

Name of applicant:

Title of proposed project:

Application review form: International Co-Investigator Scheme: Engineering fields

The aim of the International Co-Investigator Scheme is to promote internationally high standard scientific research in the engineering fields and to support scientific breakthroughs and top-tier international research collaboration. **The research must be conducted as a research collaboration between Finnish and Norwegian project partners, and this research collaboration should add significant value to the overall project.**

Please provide both written feedback and numerical ratings to each of the following items.

- [Blue text with bulleting refers to technical instructions in the online services \(SARA\).](#)

The numerical evaluation of the sub-items and final rating is made with a rating scale ranging from 6 (outstanding) to 1 (poor).

6 (outstanding)	Demonstrates exceptional novelty and innovation; has potential to substantially advance science at global level; is a high-gain project that may include risks
5 (excellent)	Is extremely good in international comparison – contains no significant elements to be improved
4 (very good)	Is in general sound but contains a few elements that could be improved
3 (good)	Is in general sound but contains important elements that should be improved
2 (fair)	Contains flaws; is in need of substantial modification or improvement
1 (poor)	Contains severe flaws that are intrinsic to the proposed project or the application



1 Quality of research described in the plan

1.1 Scientific quality, novelty and innovativeness of research

Sub-rating (1–6)

Significance of project; objectives and hypotheses; ambitiousness and state of the art of objectives (possible novel concepts and approaches or development across disciplines); scientific impact of research; generation of new knowledge, new methods, new technologies or new practices to end-users; potential for breakthroughs or exceptionally significant outcomes; etc.

- See item **1 Aim and objectives** in the research plan.

1.2 Implementation of research plan

Sub-rating (1–6)

Feasibility of project (bearing in mind extent to which the proposed research may include high risks); materials, research data and methods; human resources and management of research tasks; research environment including research infrastructures; identified potential scientific or methodological problem areas and mitigation plan; etc.

- See item **2 Implementation** in the research plan.

1.2.1 Added value of the Finnish-Norwegian cooperation

(no numerical rating)

Significance and added value of the research cooperation of the Finnish and Norwegian project partners under the International Co-Investigator Scheme for attainment of research objectives

- See item **1.4 Special objective of call** in the research plan.
- In the International Co-Investigator Scheme call the Finnish and Norwegian project partners form a collaboration of research projects that work under a joint research plan that is implemented in systematic collaboration.

1.3 Responsible science

(no numerical rating)

Has the applicant considered the following aspects of responsible science properly in the application? Please provide further comments if responsible science aspects have not been properly considered.

- See item **4 Responsible science** in the research plan.
- The Academy of Finland is committed to promoting research integrity, responsible conduct of research and the principles and practice of equality and non-discrimination and open science. See 'Instructions for reviewing' for further information.

1.3.1 Research ethics

- Yes
- No, please comment

1.3.2 Promotion of equality and non-discrimination within the project or in society at large

- Yes
- No, please comment

1.3.3 Open access of research publications

- Yes
- No, please comment

1.3.4 Data management and open access to data

- Yes
- No, please comment



2 Competence of applicant(s), quality of research collaboration

2.1 Competence of applicant(s) and complementary expertise of applicant's research team (project personnel)

Sub-rating (1-6)

Merits and scientific expertise of applicant (in case of consortium: applicants) in terms of project implementation; complementary expertise of applicant's research team (i.e. project personnel directly working/funded for the project); competence of applicant(s) in terms of supervising PhD candidates or postdoctoral researchers; support for researcher training within project; etc.

- See item **3.1 Project personnel and their relevant merits** in the research plan.
- See **CV(s)** of the applicant(s) in the application form, and the attached **CV(s) of the Norwegian project partners**.
- See attached **list(s) of publications**.
- Competence of all principal investigators should be reviewed.
- The Academy of Finland is a signatory of the DORA declaration. See 'Instructions for reviewing' for further information.

2.2 Significance of research collaboration and researcher mobility

Sub-rating (1-6)

Significance of national and/or international research collaboration (i.e. collaborators engaged in the project with their own funding, **not** the Norwegian project partner(s)) including complementary expertise and research environment of collaborators in terms of project implementation; significance of planned mobility for implementation of research plan and researcher training; etc.

- See item **3.2 Collaborators and their key merits in terms of the project** in the research plan.
- See attached **Letter(s) of commitment**.
- See **Mobility** in the application form.
- See attached **Invitation letter(s) for research visit(s)**.



3 Overall assessment and rating

3.1 Main strengths and weaknesses of project, additional comments and suggestions (no numerical rating)

Please list major strengths and weaknesses of the application taking into account the added value of the Finnish-Norwegian cooperation as well as any additional comments.

- Please give an overall assessment for the application including lists of strengths and weaknesses as well as any additional comments. It is important to comment on both the strengths and the weaknesses of the application.
- You are also encouraged to comment on the societal effects and impact, including principles of sustainable development (see items 4.4 and 5 in the research plan). However, these should not affect the scientific review/rating or ranking of the application. Instead, they will be considered as an additional factor when the funding decisions are made.

Strengths:

Weaknesses:

Comments:

4 Overall rating

Rating (1–6)

- Please note that the final rating should not be a mathematical average of the sub-ratings. For example, the application should not be penalised if it has a slight weakness in one evaluation item that is later strengthened in another item (e.g. lack of some expertise in a local team but compensated through international collaboration).



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Ranking

Your application was ranked [ordinal number] of all [number] [Funding instrument name] applications reviewed in this panel. Only applications with the final rating of 5 or 6 were ranked. The [Funding instrument name] applications addressed to the Research Council for [Research Council name] were reviewed in a total of [number] panels.

