Final report of the PUT project

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# **General information**

## General information

|  |  |
| --- | --- |
| Project title in Estonian | Preprinted according to the project’s data |
| Project title in English | Preprinted according to the project’s data |
| Principal Investigator | Preprinted according to the project’s data |
| Institution | Preprinted according to the project’s data |
| Project start  | Preprinted according to the project’s data |
| Project end  | Preprinted according to the project’s data |
| Total project budget | Preprinted according to the project’s data |
| Type | Start-up or exploratory project. Preprinted according to the project’s data |
| Field of research and speciality | Preprinted according to the project’s data |
| Keywords | This section is only in final report of PRG and PSG. The maximum length is 500 characters (incl. spaces).  |
| TRL achieved at the end of the project | This section is only in final report of PRG and PSG. |
| Comments on TRL | This section is only in final report of PRG and PSG. The maximum length is 2000 characters (incl. spaces).  |

## Scientific summaries of the research project

**The information provided in this section will be made public. This section must be of suitable quality to enable direct publication**

|  |  |
| --- | --- |
| Project annotation in Estonian (from the application) | Preprinted according to the project’s data |
| Summary of the project results in Estonian | A concise summary of the main outcomes of the project in Estonian in a popular science format for non-professional target groups. Provide a brief description of the most significant findings. Assess why, to whom, and for what are the outcomes of the project relevant and what is their estimated applicability and/or impact. Which are the project-related achievements you as the PI are especially proud of? *(The maximum length is 2000 characters (incl. spaces).)* |
| Project annotation in English (from the application) | Preprinted according to the project’s data |
| Summary of the project results in English | A concise summary of the main outcomes of the project in English in a popular science format for non-professional target groups. Provide a brief description of the most significant findings. Assess why, to whom, and for what are the outcomes of the project relevant and what is their estimated applicability and/or impact. Which are the project-related achievements you as the PI are especially proud of? *(The maximum length is 2000 characters (incl. spaces).)* |

# **Main outcomes**

## Scientific impact of the project

|  |  |
| --- | --- |
| Achieving the objectives set in the application | \* Please describe in a clear and concise manner if the objectives were achieved, which ones were not achieved and for what reasons. Please describe why the outcomes of the project are scientifically relevant. Emphasise which are, in addition to the publications, the most important and impactful accomplishments directly related to the project. *(The maximum length is 8000 characters (incl. spaces).)* |
| Social impact of the project, incl. the importance for Estonian culture, society, and/or economy | \* Why are the outcomes of the project important for Estonia? *(The maximum length is 3000 characters (incl. spaces).)* |
| Outreach activities | \*If and how has the general public been informed about the research (at which non-professional conferences and other major events have the outcomes of the project been presented; interviews, other public presentations, popular science articles; project-related acknowledgements and prizes, etc.). Provide links to relevant webpages. (*The maximum length is 3000 characters (incl. spaces).)* |

## Meeting the conditions set upon the award of grant

|  |  |
| --- | --- |
| Meeting the conditions set upon the award of grant | Conditions set in the contract or in the interim report. *(The maximum length is 6000 characters (incl. spaces).)* |

# **Outcomes**

## Summary of publications by ETIS categories

Please add only the publications directly related to the project. The publications have to contain a reference to the grant.

Please add only these projects which are directly related to this project, in which the PI and/or the senior research staff have participated, and which have taken place during the period of this project.

## Scientific publications published as the result of the research project

You can browse publications from ETIS. When you add your publication to ETIS, please include the information about the project in „Additional information“ at once. Then all these publications having connection with your project will automatically present in the final report.

|  |  |  |
| --- | --- | --- |
| Publication | PDF file | Public/ restricted (PDF file) |
|  |  |  |

|  |  |
| --- | --- |
| Comments on linked publications | Explain which of these publications you consider to be the most important ones in the context of the objectives, activities and/or outcomes of the project. Among the publications listed above, which are the ones you are most proud of and why? *(The maximum length is 3000 characters (incl. spaces).)* |

## Master and PhD theses supervised by the PI and the senior research staff

Please add only the Master and PhD theses directly related to the project which have been supervised by the PI or the senior research staff during the period of the project. You can browse from ETIS.

|  |  |
| --- | --- |
| Comments on Master and PhD theses | *(The maximum length is 3000 characters (incl. spaces).)* |

## Related industrial property items

Please add only the industrial property items directly related to the project. You can browse from ETIS.

|  |  |
| --- | --- |
| Comments on industrial property items obtained as the outcome of the research project | *(The maximum length is 3000 characters (incl. spaces).)* |

## Related projects

Please add only these projects which were directly related to this project, in which the PI and/or the senior research staff had participated, and which took place during the period of this project. You can browse from ETIS.

|  |  |
| --- | --- |
| Comments on projects | *(The maximum length is 3000 characters (incl. spaces).)* |

## International and Estonian cooperation related to the research project

|  |  |
| --- | --- |
| Comments on international and Estonian cooperation related to the research project | Please add information about the cooperation which was necessary for the implementation of this project. *(The maximum length is 3000 characters (incl. spaces).)* |

# **Staff**

## Principal Investigator and senior research staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Person | Degree | Position in Estonian institution | Period | Change |
| 1 |  |  |  | **□**  |
| 2 |  |  |  | **□**  |

## Other research staff

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Person | Degree | Position in Estonian institution | Graduate Student  | Period | Change |
| 1 |  |  |  |  | **□**  |
| 2 |  |  |  |  | **□**  |

|  |  |
| --- | --- |
| Comments on the composition of the research team, incl. the tasks of the team members and changes that ocurred among the members of the (senior) research staff (if there were any) | \* Give your assessment on the composition of the research team. If any changes ocurred among the members of the (senior) research staff, explain the reasons behind these changes, e.g., the necessity to acquire complementary expertise, the fact that a member of the senior research staff began his/her own PUT project, etc. The maximum length is 3000 characters (incl. spaces). |

# **Financial report**

## Please add only the final amounts which you have received from the accountant of your institution. Please comment on only the final year of the project or add general comments if there are significant changes compared to the budget applied for between the budget lines or between different years.

## Financial report across years

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Costs** | **2018** | **2019** | **2020** | **Sum (EUR)** | **Comments** |
| Staff costs (wages along with any and all state taxes, contributions, benefits and compensation arising from law and the research scholarships of master and PhD students) |  |  |  |  | *The maximum length is 1000 characters (incl. spaces).* |
| Staff costs (wages along with any and all state taxes, contributions, benefits and compensation arising from law) |  |  |  |  |  |
| Research scholarships of master and PhD students |  |  |  |  |  |
| Travel costs |  |  |  |  |  |
| Acquisition costs of fixed assets directly related to the implementation of a research project (in accordance with the definition established by the host institution), to the extent of up to 10% of the direct expenses of the research project |  |  |  |  |  |
| Other direct expenses relevant for the implementation of the research project |  |  |  |  |  |
| Expenses related to IPR protection, publishing and popularisation of research outcomes |  |  |  |  |  |
| Subcontracting |  |  |  |  |  |
| Total budget |  |  |  |  |  |
| Overhead |  |  |  |  |  |
| Total budget with overhead |  |  |  |  |  |

# **Additional information**

Other information you as the Principal Investigator deem relevant, including suggestions to the Estonian Research Council, may be added here.

|  |  |
| --- | --- |
| Additional files  | PDF files only, max 15 MB.  |
| Other important information related to the project | It is possible to add important information related to the project, excl. publications and manuscripts. *(The maximum length is 2000 characters (incl. spaces).)* |

# **Teadusrikas Eesti**

Teadusrikas Eesti (“The Real Wealth of Estonia Lies in Its Research” in Estonian, a loose paraphrase)

This section has to be filled in in Estonian! Please contact an Estonian-speaking colleague and kindly ask him/her to help you. “Teadusrikas Eesti” is a compendium consisting of the overviews of the research projects which have recently ended and have been funded by the Estonian Research Council. You are asked to provide the following information:

- overview of the objectives of the project

- a definition of up to three research terms

- up to four most significant outcomes and an explanation specifying the importance of these outcomes

- two photos: a photo of youself, the PI of the project, and a photo illustrating some aspect of the project

I would also like to draw you attention to the limited number of characters that can be used. Please make sure that the name of the person who photographed you as well as the name of the author of the illustrative photo will be added. Please have a look at the compendium from last year:

https://www.etag.ee/wp-content/uploads/2019/12/ETAG-teaduspostrite-kataloog\_2019.pdf

NB! The compendium “Teadusrikas Eesti” is aimed at non-professional readers and therefore it is necessary to use clear and easily understandable language.

Please fill in this section in Estonian. The maximum length is 2000 characters (incl. spaces).

|  |  |
| --- | --- |
| Projekti eesmärk | Kirjeldada lühidalt ja arusaadavalt eesti keeles projekti eesmärke. |
| Teadusmõistete seletus | Lisada kuni 3 teadusterminit/mõistet, mida oleks vaja selgitada projektist aru saamiseks erialavälisele lugejale. |
| Projekti olulisemad tulemused | Lisada kuni 4 olulisemat tulemust. |
| Miks on need tulemused olulised? | Lisada kuni 4 selgitust, miks tulemused on olulised. |
| Foto projekti juhist | Palun lisada foto projekti juhist (PDF fail, 300 bpi, minimaalne laius 600 px). |
| Projekti tutvustav illustratiivne materjal | Palun lisada projekti tutvustav illustratiivne materjal (PDF fail, 300 bpi, minimaalne laius 2000 px). |
| Kommentaarid illustratiivse materjali kohta | Palun lisage 1) projekti juhi foto autori nimi; 2) illustratiivse materjali pealkiri, autori nimi; 3) internetilingid eestikeelsetele projektiga seotud populaarteaduslikele artiklitele või videotele (nt artikkel Novaatoris, Sirbis). |