**Application parts and guidelines**

**TITLE:**

* Research field:
* Keywords in English:

**Abstract**

* Maximum length 2,500 characters including spaces
* Brief overview of scientific and societal objectives, research methods and data as well as expected research results and impact
* Does not count to towards the maximum length of the research plan

**RESEARCH PLAN**

The research plan must be no more than five pages long, unless the call text indicates otherwise. The font is Times New Roman (font size 12 pt, line spacing 1,15 and margins 20 mm).  All bibliographic references must be added directly into the text: (Author(s) Year). The bibliography counts towards the length of the research plan. Fill in the sections of the research plan where applicable and according the practices of your own discipline.

**1. Aim and objectives**

1.1.    Significance of the research project in relation to current knowledge, premise underpinning the research:

* How the project is linked to previous research (state of the art).
* Research premise, aims and objectives of the project.

1.2.    Research questions and/or hypotheses

1.3.    Expected research results and their anticipated scientific impact, potential for scientific breakthroughs and for promoting scientific renewal:

* Impact within the scientific community.
* Project’s novelty or added value for science.

**2. Implementation**

2.1.    Work plan and schedule:

* Detailed description of the research to be performed in the project, starting from objectives, scientific sources and preliminary data (if available).
* Description of different research tasks, their implementation and interconnections.
* Schedule for project implementation: research tasks and/or work packages
* Current phase of the project

2.2.    Research data and material, methods, and research environment

* Research data to be used, justifications and information on data collection/acquisition and use, considering issues such as intellectual property rights (IPR) if applicable.
* Research methods and how they will contribute to answering the research questions or confirming the hypotheses, or how they will support the chosen approach.

**3.Applicant and supervision**

3.1.    Applicant’s merits that are relevant to the project:

* Applicant’s merits that are relevant to the project.

3.2.    Supervision arrangements:

* Describe and justify supervision arrangements.

**4. Responsible science**

4.1.    Research ethics:

* Information on ethical issues (e.g. ethical procedures, informed consent, anonymity of subjects and withdrawal from research) that concern the chosen topic, methods and data.
* Information on the possible ethical reviews granted or pending.

4.2.    Promoting open science:

* Publication plan that supports open access

**5. Societal effects and impact**

5.1.    Effects and impact beyond academia:

* Brief description of the appeal, utilisation potential and application areas of the research results beyond the scientific community.
* For instance, provide a self-assessment of the expected societal impact of the research in the long or short term. Impact beyond academia may come in many different forms depending on the research field and the project. For example, science is a source of wealth and prosperity, but it also improves our understanding of the world and enhances the level of civilisation, supports the development of good practices and informs decision-making.

5.2.    If applicable: Connections to the research profile of the University of Lapland:

* Brief description of how the project connects to the research areas of the Arctic in a Changing World doctoral programme.
* More information: [ulapland.fi/arcticdp](https://www.ulapland.fi/EN/Research/Doctoral-education/For-doctoral-candidates/The-Arctic-in-a-Changing-World)

**6. Bibliography**

* List of all the sources used in the research plan.
* The reference list does not count towards the length of the research plan.