

Template for the 5-year-term research plan

Recruitment and scientific evaluation of research professors at Luke

The maximum length of the research plan is 5 pages plus the reference list. Please use Calibri as the font (size 11 pt), line spacing 1.15 and margins 20 mm.

1. Ambitions as a research professor

- Description of ambitions in respect to the following responsibilities of Luke's research professors:
 - high-quality research and new openings in the scientific field of the professorship, and acting as a leading scientific expert in the field
 - publishing research results in peer-reviewed journals
 - mentoring early-career researchers
 - creating a broad-based project portfolio consisting of national and international funding for research and/or customer projects
 - leading, coordinating and promoting national and international research collaboration, as well as cooperation with industrial partners and other stakeholders
 - promoting the use and applications of research results, and disseminating research results to the general public (e.g. policy makers, business actors and consumers)
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2. Aims and objectives

- Research questions and/or hypotheses
- Expected research results, their scientific significance and impact
- Potential for scientific breakthroughs and for promoting scientific renewal

3. Implementation

- Description and schedule of the research to be performed (incl. milestones and deliverables)
- Research data, methods and environment, and how they will support the chosen research approach
- Critical points for success, probability of risks and alternative implementation strategies

4. Collaborators and networks

- National and international collaborators and networks of key significance for implementing the research plan
- Description of what is achieved through the collaboration

5. Sectoral and societal impact

- Expected potential and application areas of the research results beyond the scientific community

6. Responsible science

- Description of how the following issues are taken into account in implementing the research plan:
 - Research ethics
 - Open science
 - Equality and non-discrimination
 - Sustainable development goals

7. References

- List of all references used in the research plan. Please note, the reference list is not counted in the 5 pages of the research plan.

GUIDELINES AND POLICIES:

- **Luke's Strategy and Code of Conduct** (<https://www.luke.fi/en/about-luke/strategy-and-code-of-conduct>)
- **Research ethics:**
 - Responsible conduct of research and procedures for handling allegations of misconduct in Finland (https://tenk.fi/sites/tenk.fi/files/HTK_ohje_2012.pdf)
 - The European Code of Conduct for Research Integrity (<https://www.allea.org/wp-content/uploads/2017/05/ALLEA-European-Code-of-Conduct-for-Research-Integrity-2017.pdf>)
- **Open science:**
 - Declaration for Open Science and Research 2020-2025 (<https://avointiede.fi/en/policies/declaration-open-science-and-research-2020-2025>)
 - Policy for Open Access to Scholarly Publications (<https://avointiede.fi/en/policies/policies-open-science-and-research-finland/policy-open-access-scholarly-publications>)
- **Equality and non-discrimination** (https://www.luke.fi/sites/default/files/2022-06/Luke%20gender%20and%20equality%20plan%202020-2022_0.pdf)
- **Sustainable development goals**
 - Principles of responsibility at Luke (<https://www.luke.fi/en/about-luke/responsibility>)
 - Global 2030 Agenda for Sustainable Development (<https://kestavakehitys.fi/en/agenda2030>)
 - UN's Sustainable Development Goals (<https://sdgs.un.org/goals>)