

## eSSENCE Invites Project Proposals in the Area of e-Science

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eSSENCE@LU, 2024.09.11

eSSENCE is a research programme in e-Science formed by Uppsala University, Lund University and Umeå University as a result of a governmental initiative to promote strategic research areas. e-Science is research performed with digital tools. The overall goal of eSSENCE is to enable high-level research that will lead to new methods and knowledge of importance for science, industry, and society. eSSENCE strives to enable method development both with a scientific problem in mind and for generic use and to build new and productive e-Science collaborations leading to cross-fertilization and research renewal.

eSSENCE@LU now invites proposals for new projects. Applicants may request 2 years of funding, starting 1 January 2025. We anticipate being able to fund at least five grants with a maximum of 600 kSEK/year (including overhead). The funding could be used, for example, for part-financing a PhD student or a post-doc in Lund.

The research theme of the selected projects should involve e-Science method development with a connection to computational or data-driven applications. Collaboration between different groups is necessary for a successful proposal. At least one of the groups needs to have a PI with employment at Lund University for the duration of the funding. “Different groups” could mean different disciplines or a collaboration with industry and society outside academia. It could also be different Swedish universities. In particular, we would like to see more collaboration between the eSSENCE universities, but it is not a requirement. We would also like to see more e-Science development in areas new to eSSENCE as well as an increase in female PIs. Given the high application pressure of previous grant rounds, many proposals have not been successful on the first attempt, but have succeeded in later rounds. We therefore encourage the resubmission of earlier proposals that are not receiving funding, updated to reflect the current situation.

How to apply: The proposal should be a maximum of 5 pages long. It should describe (i) the goal and importance of the project and the novelty compared to the current state-of-the-art, (ii) the method development and application contents of the project, (iii) potential for, or planned, collaborations within this project, (iv) the status concerning persons to be funded (does a candidate exist? If yes - brief credentials for this person should be supplied. If not – briefly describe the recruitment plans.), (v) the amount requested and the amount and type of any co-funding. **The proposal should be submitted to Magnus Ullner by email not later than Friday 11 October.**

Please describe clearly the e-Science component of the proposal and explain how tasks and money will be divided by the members of the collaboration, including the future affiliation of any new, recruited person.

For a list of FAQs, see the announcement at <http://www.compile.lu.se>.

The proposals will be ranked by the eSSENCE coordinators at Uppsala and Umeå universities. The decision about grants will be taken by the steering group of eSSENCE@LU. Note that than none of these persons are experts in all fields represented by the proposals. **Proposals should therefore be directed towards an audience having a general scientific background and avoid excessive technical details.**

Contact person (deputy coordinator of eSSENCE@LU):

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