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| **Registration form (basic data)** |

**1. Details of the applicant(s)**

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| --- | --- | --- | --- | --- |
| **Principal Investigator** | | | | |
| Name, first *n*ame, title(s) |  | | | male / female |
| Date of birth |  | Date of PhD |  | |
| Position | professor / associate professor (UHD) / assistant professor (UD) / other: | | | |
| End contract |  | | | |
| Affiliation |  | | | |
| Department |  | Section |  | |
| Postal Address |  | Zip/city |  | |
| Tel / Fax |  | E-mail |  | |
| **Co-applicant** (copy and paste if needed) | | | | |
| Name, first name, title(s) |  | | | male / female |
| Date of birth |  | Date of PhD |  | |
| Position | professor / associate professor (UHD) / assistant professor (UD) / other: | | | |
| End contract |  | | | |
| Affiliation |  | | | |
| Department |  | Section |  | |
| Address |  | Zip/city |  | |
| Tel / Fax |  | E-mail |  | |

The principal investigator (PI) is the contact person for correspondence.

**2a. Title of the proposal**

A short but specific title for the research for which funding is being requested.

In case your research is driven by domain-oriented research questions rather than technology-oriented questions, please consider the 2017 NLeSC Call for Proposals: “Accelerating Scientific Discovery (ASDI)”.

**2b. Keywords**

(max. 6 keywords)

**2c. Project duration**

...... months (max. 48 months)

**2d. Abstract**

Summary in English (max. 200 words).

**2e. Main field of research (compulsory)**

For all applications it is compulsory to fill out one or more research fields that correspond to the subject of your research proposal. You can only refer to the descriptions and codes from the NWO research field list. Please find the list via: [www.nwo.nl/researchfields](http://www.nwo.nl/researchfields)

code + field of research: ………

If applicable: other fields of research, in order of relevance. Please select other relevant fields of research at: [www.nwo.nl/researchfields](http://www.nwo.nl/researchfields)

code + field of research: ………

**2f Relevance to the ‘Top Sectors’**

State (where applicable) if and how your project proposal is relevant to one or more of the designated top sectors or to the ICT roadmap, which transcends top sector boundaries. You should also include details of any proposed collaboration with the private sector. Information about the top sectors can be found here: [www.topsectoren.nl](http://www.topsectoren.nl/).

This section will not affect the assessment but gives the Board of NWO Physical Sciences, which is a partner in this call, a better understanding of the manner in which proposals are relevant to the top sectors and the national economy.

**3. Total funding requested**

In cash: ... K EUR

In kind eScience research engineers: … FTE (total 2.5 FTE)

**4. Composition of the Research Team**

List all team members involved in the proposed research, including eScience Research Engineers; provide names (in case already known), initials, titles and type of involvement, e.g. project leader, daily guidance, advisor, thesis supervisor, postdoc/researcher, PhD-student, etcetera. If the eScience research engineer is not yet known, in the field ‘Name’ please fill in ‘eScience engineer’ and state the period and the needed expertise of the eScience engineer.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Affiliation | Period / FTE | Expertise and type of involvement |
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(add rows if needed)

**5. Key publications**

Please list 5 key papers published by members of the research team in the last 5 years. The papers must be relevant to the current proposal.

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| **Research proposal (MAX. 1500 WORDS IN TOTAL FOR SECTIONS 6 AND 7)** |

**6. Description of the proposed research (+/- 1200 words)**

The layout of the proposal should facilitate easy reading. For the proposal no more than 1500 words may be used, including text below figures, excluding literature references. The proposal should include:

**6a. Science: Background, research questions, approach, and innovation**

Please indicate the addressed data science problem, the approach, the specific top-sector related use case(s), and the relation of the proposed solution with state-of-the-art developments.

**6b. eScience: Technologies, methods, and expected impact of the research**

Please indicate which key technological challenges are dealt with (e.g. Optimized Data Handling, Big Data Analytics, Efficient Computing), which eScience tools and methodologies will be developed, applied (re-used), integrated, or extended, and how the developed solutions help to solve the top sector related use-case(s).

**6c. Re-use, sustainability, dissemination, and collaborations**

Please indicate how the proposed technological solutions will find use beyond the target use case(s), how maintenance and sustainability will be secured and managed, which further collaborations are foreseen, and which efforts will be made to promote the results of the project.

**6d. Data management**

*For more information on the datamanagement paragraph please refer to the* [*NWO*](http://www.nwo.nl/en/policies/open+science/data+management+chapter) *website.*

Please answer the following questions:

1. Is data generated or collected during the research that is appropriate for re-use?

YES/NO (if yes, please answer questions 2 through 4).

2. Where will this data be stored during the research?

3. After the project has been completed, how will the data be stored for long-term and made available for the use by third parties? To whom will the data be accessible?

4. Which facilities (ICT, (secure) archive, refrigerators or legal expertise) do you expect will be needed for the storage of data during the research and after the research? Are these available?[[1]](#footnote-1)

**6e. Software sustainability**

Please answer the following questions:

1. Is software generated during the project that is appropriate for re-use? If so, please indicate which software will be appropriate for re-use.

If Yes, please answer questions 2 through 5.

2. How will the software appropriate for re-use be licensed and made available for third parties?

3. What measures are needed to make the software appropriate for long-term re-use for third parties?

4. In your expectation, how large is the expected community that will potentially use the software, and do you expect outside contributors to the software?

5. What expertise do you expect to be needed to make the software appropriate for long-term re-use by third parties? Is this expertise available? Please state what your expectations are of the contribution from the e-Science Center in making the software appropriate for long-term re-use.

**6f. Use national e-infrastructure**

Please indicate the project’s (national) e-Infrastructure needs, in terms of compute hours, data storage capacity, lightpath connectivity, or otherwise.

**7. Workplan and Time Table (+/- 300 words)**

Provide a detailed workplan and a (provisional) time table. Specify the role of the eScience Research Engineer(s), and the expected involvement in terms of duration and percentage of participation.

**8. References**

List of references cited in the proposal, with full bibliographic details.

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| **ADMINISTRATIVE DETAILS** |

**9. Requested funding within the total budget**

The budget must comprise the requested budget for personnel, equipment, software, travel, and other costs. NLeSC personnel employed is indicated in FTE. All costs must be justified. Equipment and software with a purchase price of less than €5,000 forms part of the research institute’s standard infrastructure and is not eligible for funding. Travel expenses of NLeSC personnel need not be specified. In this pre-proposal the budget can be indicative.

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| --- | --- | --- |
| a. | eScience Center Research Engineer | FTE |
| b. | appointment of local research personnel  State only the research positions; NWO will enter the appropriate amount. | |
| PhD 4 years | Number |
| PostDoc 3 years | Number |
| PostDoc 2 years | Number |
| c. | additional travel budget | €……… |
| d. | project-related equipment (min € 5k) | €……… |
| e. | other project-related activities | €……… |
|  | Total c, d, e (max € 35k | €……… |
| f. | In-kind or cash contribution of other parties (if applicable) | €……… |

Please justify the costs specified for additional budget (c, d, e).

**10. Statements by the applicant**

NLeSC endorses the Code Openness Animal Experiments and the Biosecurity Code of Conduct (available at www.knaw.nl). Applicants must check whether the codes have relevance to their application. If so, NLeSC requires applicants to endorse the code(s) and act according to these. In case of the Biosecurity Code the applicant is convinced that the knowledge presented in the application cannot lead to dual use.

Applicants are asked to endorse and follow the [NLeSC Strategy towards Publishing, Licensing, and IP](https://www.esciencecenter.nl/2014_NLeSC_IP_policy_V4.pdf) (at: www.esciencecenter.nl). For alternative IP agreements, contact NLeSC before proposal submission.

YES/NO/N.A. I endorse and follow the Code Openness Animal Experiments (if applicable).

YES/NO/N.A. I endorse and follow the Code Biosecurity (if applicable).

YES/NO I endorse and follow the NLeSC Strategy towards Publishing, Licensing, and IP.

**If ‘NO’, then please justify, and contact NLeSC before submitting the proposal.**

YES/NO I have completed this form truthfully,

Name:

Place:

Date:

1. *ICT facilities for data storage are considered to be resources such as data storage capacity, bandwidth for data transport and calculating power for data processing.* [↑](#footnote-ref-1)