**Formatting guidelines**

* Fill out the header and delete the brackets
* Fill out cells in the tables below and delete help text and brackets
* Delete this section before sending the application
* Send this application document as one PDF file along with appendices as one PDF file

**Main applicant**

|  |  |
| --- | --- |
| Information | Specification |
| Full name | The project manager |
| Title |  |
| Phone Number |  |
| Work email address |  |
| Date of birth |  |
| Nationality |  |
| ORCID number | If applicable |
| Institution |  |
| Address |  |
| Department |  |
| Leader of the administrating department (full name) |  |
| Work email |  |
| Phone number |  |
| Administrative contact  (full name) | If not the main applicant POC |
| Work email |  |
| Phone number |  |
| Supplementary information | Voluntarily: Use this field to make the evaluation committee aware of any special circumstances regarding your application, that the committee should be aware of. Please do not include any personal information of sensitive character (i.e. illness, family conditions etc.) |

**Co-applicant**

*[Delete this section if not applicable. Copy the table below if there is more than one co-applicant]*

|  |  |
| --- | --- |
| Information | Specification |
| Full name | POC |
| Title |  |
| Phone Number |  |
| Work email address |  |
| Date of birth |  |
| Nationality |  |
| ORCID number | If applicable |
| Institution |  |
| Address |  |
| Department |  |
| Leader of the administrating department (full name) |  |
| Work email |  |
| Phone number |  |
| Administrative contact (full name) | If not the co-applicant POC |
| Work email |  |
| Phone number |  |
| Supplementary information | Voluntarily: Use this field to make the evaluation committee aware of any special circumstances regarding your application, that the committee should be aware of. Please do not include any personal information of sensitive character (i.e. illness, family conditions etc.) |

**Proposal description**

|  |  |
| --- | --- |
| Information | Specification |
| Activity/project title | Information about applications that are granted resources will be published on DeiC's website. The applicant must therefore be aware not to indicate confidential information in the project title |
| Executive summary | A stand-alone summary suitable for publication. Max one page |
| Activity/  project description | A detailed description of the planned activity/project including purpose, justification, methodology, success criteria, expected outcome and dissemination of results, learnings and experiences.  If the entire applied amount cannot be granted, the applicant can, in the application, state their willingness to receive support for part of the project if the applicant assesses that it would be meaningful to implement parts of the project.  Max five pages, incl. illustrations and references |
| Team and planning | A short description of the organisation and timeline of the activity/project. This section can alternatively be submitted as a part of the appendix. Max two pages |

**Technical specification of quantum computing needs**

*[Copy the table below if access to more than one provider is requested]*

|  |  |
| --- | --- |
| Information | Specification |
| Quantum/HPC technology | Describe the type of quantum computing resources applied for |
| Manufacturer | If applicable, state your preferred vendor for each specific technology solution |
| Computing amount | Formulate using cost metrics specific to the hardware access in connection with the proposal.  Provide your best resource estimation for the required access.  For quantum simulation access to [national HPC facilities](https://www.deic.dk/en/supercomputing/national-hpc-facilities), include:   * Which supercomputer type * CPU core hours * GPU hours * Average memory need |
| Time period | Preferred starting date and duration |

**Data description**

*[Copy the table below if access to more than one provider is requested and the data needs from each provider differs]*

|  |  |  |
| --- | --- | --- |
| [Name of provider] | Yes | No |
| Person sensitive data |  |  |
| Restricted data with industry collaboration |  |  |
| Restricted data for patent application |  |  |
| Restricted data for national security |  |  |
| FAIR or Open data |  |  |

**Data storage**

*[This is the sum of all required HPC data. If the application is split between different HPC types, this should be the sum of all storage required. Delete this section if access to quantum simulators on classical HPC systems is not sought]*

|  |  |
| --- | --- |
| Information | Specification |
| Needed data space for working set data. E.g., I/O files when running computation | In GB |
| Days to keep the working data on the facility after project end. Max. 365 days | In number of days |
| Needed long time storage needed for the project | In GB |

**Appendix**

*[Merge appendix documents into one PDF file]*

1. A brief CV (max 2 pages) with details of relevant background and experience. The CV must include a link to a full CV (PDF)
2. For researchers: A list of up to 10 most relevant publications for evaluating your experience. Include a complete specification of all authors for each publication with your own name highlighted. Include a link to a full publication list in ORCID (PDF)
3. For students: A letter of approval from the student supervisor, confirming the student's need for quantum computing/HPC resources
4. Brief CV (max 1 page) for each of the other co-applicants, if applicable, with details of relevant background and experience. The CV must include a link to a full CV (PDF)