**Application – large research project**

1. **Name of the project.**

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1. **Summary (in a format suitable for publication on the website or in the infrastructure manager's report).**

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1. **Expected socio-economic effects of the project.**

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1. **Scientific research goals of the project.**

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1. **Describe the algorithms and research methods of the project, as well as the approach to parallelization.**

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1. **Describe Benchmarking and Scaling.**

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1. **Your resource needs, including information about infrastructure needs (type of hardware, needs for processing capacity, memory, disk capacity, I/O and network requirements, dedicated hardware such as general-purpose graphics processing units (GPGPUs) or FPGA programmable circuits.**

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1. **Describe the needs for development and programming tools (compilers, libraries, debuggers, support, etc.).**

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1. **Project duration and anticipated project steps (projects lasting several years must include a research plan and anticipated project steps to justify multi-year research).**

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1. **List of assigned accesses and a brief description of the work to date, which shows the technical areas of HPC use and the use of relevant programming languages.**

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1. **List of related publications with previous accesses.**

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1. **Experience to date (brief outline of work to date, general experience and mastery of intensive computer processing, applications and programming languages, experience and anticipated need for support in software preparation, translation, installation, optimization, etc.; add a list of any previous projects).**

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1. **List of collaborators in the project (name, organization, SLING username, if it has one and identification data of existing users).**

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1. **You can propose up to two scientific reviewers (provide name, organization and contact) and exclude up to two scientific reviewers.**

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