Institutional and Community Access

NOTICE! Delete all text in grey. Do not exceed a **maximum document size of 5 pages**.

To be submitted before: 2025-03-20 23:59:00

**Name of the project:**

**Multi-year:** YES/NO;

**Project duration:** Fill “12 months” or in the case of multi-year 24 or 36 months.

**Number of node hours requested for each platform:**

1. **Barbora CPU:**
2. **Barbora GPU:**
3. **Barbora FAT:**
4. **DGX-2:**
5. **Karolina CPU:**
6. **Karolina GPU:**
7. **Karolina FAT:**
8. **LUMI-C (CPU):**
9. **LUMI-G (GPU):**
10. **Complementary systems:** YES/NO
11. **Visualisation servers:** YES/NO

**Other HPC resources:**

Fill only in case of the non-standard resource request:

1. [**HOME and SCRATCH Barbora:**](https://docs.it4i.cz/barbora/storage/)[TB]
2. [**HOME and SCRATCH Karolina**](https://docs.it4i.cz/karolina/storage/)**:** [TB]
3. [**PROJECT:**](https://docs.it4i.cz/storage/project-storage/)[TB]
4. [**Cloud services requirements:**](https://docs.e-infra.cz/compute/openstack/technical-reference/ostrava-site/quota-limits/)Instances, VCPUs, RAM, volume storage and others.

**Name and address of institution (including ID number):** In case of community involving more institutions provide leading institution data

**Name and surname of responsible person:** provide letter of mandate issued by the institution

**e-mail:** Use primary e-INFRA CZ/EduID e-mail if exists.

**Phone number:**

**Research area:** e.g. Artificial intelligence, Bioinformatics, Chemistry, Engineering, Physics.

**Popular abstract:**

Include a popular abstract in a form which is immediately available for publication on the website or in newspapers etc., outlining the proposed research goals and the expected impact, in language appropriate for the public. Be concise; **do not exceed 1500 characters** in abstract**.** Do not exceed a **maximum document size of 5 pages**.

**Scientific readiness:**

Please ensure that the entire scientific readiness section is a **maximum of 2 pages**, including figures and tables.

**Institutional/Community description**

Provide a detailed description of your institution (or involved units) or the community relevant to the context. Highlight the institution's excellence by emphasizing its achievements in national and international projects, as well as its publication record, applied R&D results and overall research performance.

**Impact and outlooks**

Place the targeted research in the context of other work within scope of the institution/community represent. In addition, explain what innovation, advancement of scientific knowledge, or impact you expect to be enabled should your aims and objectives be achieved. Number and quality of expected publications and other R&D results.

Identify used or newly created data sets, provide data management plan. Articulate the overall benefits of the used resources and emphasize the wider impact on strategic institutional/community goals and related scientific domains. Evaluate the potential socioeconomic benefits for the wider society, acknowledging even indirect or distant impacts. Additionally, describe any anticipated synergistic effects and their potential contributions to public revenue streams. Comment on open science aspects including FAIR data and open access publications.

**Computational readiness:**

Please ensure that the entire Computational readiness section is a **maximum of 1 page**, including figures and tables.

**Computational resources:**

Provide a comprehensive justification for the requested computational resources, including storage, cloud services, and other related requirements. Clearly explain the rationale and methodology underlying these estimations. Provide information about major software frameworks, tools, libraries intended to be utilized. For multi-year access, provide a detailed **plan for resource utilization over multiple 12-month periods**.

**Institutional readiness:**

Resource Distribution: Outline the mechanisms for equitable resource allocation within the institution, ensuring adherence to agreed internal access principles. This includes the development of transparent criteria for resource distribution among team members and the implementation of feedback mechanisms to address any disparities. Additionally, detail the processes for prioritizing resource allocation based on need, potential impact, and strategic goals. Please indicate if subproject accounting is required.

**References:**

Include all references here.