EuroHPC Joint Undertaking (JU) AI Factory Large Scale Access

**Final Report**

GENERAL INFORMATION

Type of project granted: AI Factory Large Scale Access

Proposal ID

Please fill in the information in the box below (e.g. EHPC-XXX-202XXXX-XXX).

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Awarded resources in GPU hours

Please fill in the information in the box below.

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AI technologies used

Click once in the box to select it, click again to unselect.

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|  | Machine Learning |  | Audio (speech recognition, speech synthesis, etc.) |
|  | Natural Language Processing |  | Robotic process automation |
|  | Generative Language Modeling |  | Virtual agents |
|  | Deep Learning |  | Decision management: Classified and statistical learning methods |
|  | Vision (image recognition, image generation, text recognition OCR, etc.) |  | Other\* |

\* Other - Specify the used AI technology:

Period of access to the EuroHPC JU facilities

Please fill in the information in the box below.

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| Overall duration of the project in months (3, 6, 12) |  |
| Start date of the allocation (DD/MM/YYYY) |  |
| End date of the allocation (DD/MM/YYYY) |  |

EuroHPC JU AI Factory assigned

Please click once in the box to select it, click again to unselect.

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| --- | --- | --- | --- |
|  | Leonardo Booster (CINECA) |  | MN5 ACC (BSC) |
|  | LUMI-G (CSC) |  | JUPITER Booster (JSC) |

Project Lead and Organization

Please fill in the information in the table below.

|  |  |
| --- | --- |
| Title |  |
| First (Given) Name |  |
| Last (Family) Name |  |
| E-mail Address |  |
| Organization name |  |
| Organization type |  |

PROJECT INFORMATION

Project title

Please fill in the information in the box below.

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Main application domain(s)

Please click once in the box to select it, click again to unselect.

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|  | Biochemistry, Bioinformatics and Life sciences |  | Fundamental Constituents of Matter |
|  | Chemical Sciences and Materials |  | Linguistics, Cognition and Culture |
|  | Earth System Sciences |  | Mathematics and Computer Sciences |
|  | Economics, Finance and Management |  | Physiology and Medicine |
|  | Engineering |  | Universe Science |

Team members and organizations

Please list all team members and corresponding affiliations that were involved in the project (additionally include any members that joined the team at a later stage of the project that were not included in the original application form).

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Summary of the project

Please fill in the field with the same text used in the application form.

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Description of the results obtained, future perspectives, benefits to the society and the benefits of using computer resources

Please fill in the information in the box below (maximum 1000 words).

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Description of AI Factory services used

Please fill in the information in the box below (maximum 500 words).

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Energy consumption of the project

*Please specify how much energy does the project consume in total. Additionally, if possible include how much CO2 footprint it had (for information on how to collect this information please consult the documentation on AI Factories’ webpages as well as output logfiles of your runs).*

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Expected future work in the area

Please fill in the information in the box below.

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Images of the results including description or caption

All tables and figures (including photographs, schemas, graphs and diagrams) should be numbered with Arabic numerals (1, 2,...n) and include a descriptive caption. Please attach the images to this form (minimum resolution 300 dpi).

Publications or reports regarding the developed project (if applicable)

Please use the following format: Author(s). “Title”. Publication, volume, issue, page, month year.

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Patents registered in relation with the developed project (if applicable)

Please use the following format: patent identifier, title and description (maximum 800 characters).

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Talks given in the area of the project (if applicable)

Please use the following format: Author(s). “Title”. Conference, location, month year.

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Other information

Please add the information below (e.g., URLs, logos, photos, etc.).

Further funding obtained as a result of the developed project (if applicable)

Please fill in the information in the box below.

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DATA AND STORAGE

Total storage required and total storage received (GB)

Please fill in the information in the box below.

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Size of the data and/or the number of files

Please fill in the information in the box below (maximum 300 words).

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FEEDBACK AND TECHNICAL DEPLOYMENT

Feedback on the AI Factories/EuroHPC JU access procedures

Please fill in the information in the box below (maximum 500 words).

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Explanation of how the computer time was used compared with the work plan presented in the proposal. Justification of discrepancies, especially if the computer time was not completely used.

Please fill in the information in the box below (maximum 500 words).

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Feedback on services provided by the AI Factory

Please fill in the information in the box below (maximum 500 words).

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Willingness to apply to EuroHPC Access Modes in the future

Please fill in the information in the box below (maximum 500 words).

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