

NI4OS-Europe Resource Access Application Form - Open Call

There are 112 questions in this survey

General information

[] Project name *

Please write your answer here:

A short title for your proposed project.

[] Project acronym *

Please write your answer here:

A single word acronym for your proposed project.

[] Research field *

Please choose **only one** of the following:

- LS Area A: Modelling and Molecular Dynamics (MD) study of important drug targets.
- LS Area B: Computer-aided drug design.
- LS Area C: Analysis of Next Generation DNA sequencing data.
- LS Area D: Synchrotron data analysis.
- LS Area E: Image processing for biological applications.
- CR Area A: Regional climate modelling to better understand and predict climate change and impacts, and phenomena such as dust storms.
- CR Area B: Air quality modelling, including atmospheric chemistry and air pollution transport.
- CR Area C: Weather forecast and extreme weather prediction, model development, application.
- DCH Area A: Online services and access to repositories to enable studies of the cultural heritage assets in the region (e.g., searchable digital libraries; with support of meta-data and OCR for Latin characters).
- DCH Area B: Online visualization tools to drive breakthrough contributions to heritage enquiries (e.g., interactive visualization viewers of 3D digital assets with metadata integration, remote sensing datasets, agent-based model simulations).
- DCH Area C: Training material and Tools for the creation of interactive and immersive environments to support the GLAM industry (galleries, libraries, archives and museums) with limited resources to generate virtual exhibitions of their collections of artefacts.
- CP Area A: Computational fluid dynamics.
- CP Area B: Computational particle physics.
- CP Area C: Molecular dynamics.
- CP Area D: Electronic structure methods.
- CP Area E: Computational electromagnetics.
- CP Area F: Lattice gauge theories.

CP Area G: Astrophysics.

Other

Please select the research area that best describes your project's work. Target research areas are provided for LS (Life Sciences), CR (Climate Research), DCH (Digital Cultural Heritage), and CP (Computation Physics).

If you choose Other, please specify any other combination of the above items.

Principal Investigator

Please provide the details of the project's investigators. The first investigator to be declared is also considered the Principal investigator and main contact point for issues related to the application and the project if accepted.

Title *

Please write your answer here:

(e.g. Dr., Mr., Mrs.)

First name *

Please write your answer here:

Last name *

Please write your answer here:

E-mail *

Please write your answer here:

Please double check you e-mail for correctness so that we can reach you.

Gender *

Please choose **only one** of the following:

- Male
 Female

We require declaration of your gender for statistical reasons only.

Date of birth *

Please enter a date:

Phone number *

Please write your answer here:

Position held in organization/job title

*

Please write your answer here:

i.e. Professor, scientific collaborator, project manager

Organization name *

Please write your answer here:

[] Department *

Please write your answer here:

[] Address *

Please write your answer here:

[] Country (of PI institute) *

Please write your answer here:

[] Do you want to add a collaborator? *

Please choose **only one** of the following:

- Yes
- No

Detailed project description

Abstract of project *

Please write your answer here:

If the project is successful this will be published on the NI4OS-Europe website unless you mark it as confidential below. Please make this summary understandable to a general audience (maximum 500 words).

Is the summary above confidential? *

Please choose **only one** of the following:

- Yes
 No

Describe your research project. Include the overall scientific goals of the project and the novelty, impact, and timeliness of the proposal. *

Please write your answer here:

Recent bibliographic references that are relevant to the project.

*

Please write your answer here:

[] Describe how you will manage the resources requested? *

Please write your answer here:

[] Explain why this project needs the requested resources and services, why they are suitable for the project, and how the use of the system will enable the science proposed. *

Please write your answer here:

[] Describe your experience using similar resources and services in the past and how you will manage using such services and resources. What other experience do you and your team bring to this project? *

Please write your answer here:

[] Is your project EOSC compatible? (Describe how FAIR principles are going to be applied to the data and software used and produced throughout the lifespan of the project and if resulting publications are planned to be published in openly accessible journals). *

Please write your answer here:

Are you familiar with creating a data management plan (DMP), describing how your produced data will be managed? *

Please write your answer here:

Required NI4OS-Europe resources

Generic resources

Please choose **all** that apply:

- HPC services
- Cloud services
- Data processing services
- Storage services
- Other:

Thematic services

Please choose **all** that apply:

- Climate application-specific Service – RS2C – Remote Sensing Scene Classification
- Digital Cultural Heritage application-specific service - Clowder4DCH
- Digital Cultural Heritage application-specific service - CHERE
- Life Science application-specific service - FEPrepare
- Life Science application-specific service -DREAMM
- Life Science application-specific service - NanoCrystal
- Life Science application-specific service - ChemBioServer 2.0
- Life Science application-specific service - Ingredio Application
- Life Science application-specific service - OpenBioMaps
- Life Science application-specific service - Reduce and Visualize Gene Ontology
- Life Science application-specific service - eeghub.ge
- Life Science application-specific service - DICOM Network
- Life Science application-specific service - MelGene
- Computational Physics application-specific service - Gaussian API
- Computational Physics application-specific service - Schrödinger API
- Engineering & Technology application-specific service – OMAApp
- Other:

Repositories

Please choose **all** that apply:

- CHERRY
- CeR
- DAIS
- Digital Library
- HELIX Data
- NI4OS-Europe repository service
- Repository of Faculty of Science, University of Zagreb
- Repository of the Institute of Public Finance, Zagreb

- SZTE repository of publications
- Social Scientific Research Documentation Centre Repository
- University of Zadar Institutional Repository of evaluation works
- VideoLectures.Net
- Georgian Integrated Library Information System Consortium 2017
- Meteorological and Hydrological Service of Croatia Repository
- NaRDuS – National Repository of Dissertations in Serbia
- Veterinar – Repository of the Faculty of Veterinary Medicine
- Other:

[] Other services

Please choose **all** that apply:

- RePol – Repository Policy Generator
- LCT – License Clearance Tool
- RoLECT – EOSC RoP Legal & Ethics Compliance Tool

HPC resources

Please describe code(s) that will be used at the HPC resource (include the URL to the source code if possible)? *

Please write your answer here:

Overall HPC compute requirements for all the codes that you have declared. *

Please write your answer here:

Number of total core hours required to run all the codes on CPU only nodes *

Please write your answer here:

Please add the number of core hours you require to run codes in CPU nodes. If you require only GPU or Phi nodes then add 0 here.

Number of total core hours required to run all the codes in GPU nodes (in hours) *

*

Please write your answer here:

Please add the number of core hours you require to run codes in GPU nodes. If you require only CPU or Phi nodes then add 0 here.

Number of total core hours required to run all the codes in Phi nodes (in hours)

*

Please write your answer here:

Please add the number of core hours needed if you require to run codes in Phi nodes. If you require only CPU or GPU nodes then add 0 here.

Wall-clock time of a typical job execution (in hours)

*

Please write your answer here:

Expected single job size (number of cores) and single job memory (total memory usage over all cores of a single job)

*

Please write your answer here:

Please fill in the required information for the expected minimum, average, and maximum job size.

Minimum and maximum number of cores for a single job

*

Please write your answer here:

Minimum and maximum total memory usage across all nodes used for a single job (in GB)

*

Please write your answer here:

Storage *

Please write your answer here:

The total amount of storage (GB/TB) Including storage for work, home (source code, scripts, etc.), and results.

Cloud resources

Total number of required virtual cores required *

Please write your answer here:

Total number of VMs required *

Please write your answer here:

The total amount of file storage space required (in GB), i.e. Storage space provided in attached volumes *

Please write your answer here:

The total amount of Hard Disk Storage required (in GB). i.e. The total amount of the boot disks of all VMs that you require *

Please write your answer here:

The total amount of RAM required(in GB) i.e. the overall amount of RAM over all VMs that are required *

Please write your answer here:

Total number of public IPv4 addresses required *

Please write your answer here:

Operating System(s) required *

Please write your answer here:

Data processing resources

[] Justify the total number of core hours of Data analysis service *

Please write your answer here:

Storage resources

[]

The total amount of storage space needed for your data (in TB)

Please write your answer here: