Application form

Select what you want to apply for

1. Data curation, handling and integration for publishing into the cloud
2. Tool interoperability, workflows and containerization
3. Cloud deployment and resources

Please select the themes/area of expertise that are relevant to your project. If your project aligns with more than one of the three topics proposed, save one topic and add another

Research Project Title:

Consortium organisations to be involved in the project and PICs:
To be eligible for funding, you will need to be a member of the EOSC-Life consortium. Please select the organisation(s) and associated PIC number(s) involved in the project from the list of EOSC-Life Beneficiary or Third Parties. If your Institution is not listed here, please contact us to check your eligibility to this open call: opencall@eosc-life.eu

EOSC-Life beneficiaries and Linked Third Parties: EMBL(999988230); VIB(999651931); BBMRI-ERIC(946597878); UMCG(999914801); CRS4(999628069); MUG(999836231); EATRIS(941506445); Lygature(997656350); VHIR(999541642); IMTM(999649506); UH(999994535); IRFMN(999661146); ECRIN(948646712); KKSN(915416743); SCTO(964630469); NorCRIN(998832572); PtCRIN(960782479); SCReN(999477525); EMBRC(909980087); FZJ(999980470); ERINHA(910590314); EU-OS(910913033); INFRAFRONTIER(949754646); INSTRUCT(910086981); Diamond(998475612); UNIMIB(999923531); INRA(999993274); CHARITE(999992692); ALU-FR(999841760); UOXF(999984350); SU(909875521); CNRS(999997930); INSERM(999997833); UNITO(999861936); UNIVDUN(999975523); Åbo(999903355); Fraunhofer(999984059); HMGU(999994729); CERBM-GIE(999993177); FLEMING(999458610); UOULU(999844670); CIRMMP(999516810); CERM(999895789); CSIC(999991722); VU(954530344); KNAW(999518362); UVEG(999953019); USMI(959034442); MU(999880657); LUMC(999990849); CSC(999645820); IMG(999512251); IMIM(999585680); CNR(999979500); UNIMAN(999903840); NIB(999650476); VLIZ(999599939); CCMAR(998611994); UGent(999986096); UPV/EHU(999865234); UVIGO(999630494); UNICAM(999977172); UMAS(999975911); UiO(999975814); GEANT(999579278); SLOVACRIN(999885992); NKI(999984738); WIS(999979306); HE(987006041); UPF(999867077); TUWIEN(999979888); UiO(999975814); HCMR(999577532); EGI(989221715)

Name of the Industry/SME collaborator
Please name the company that is collaborating with you on the proposal

Is this an established collaboration?
Please indicate whether you have previously worked with the co-applicant company in previous projects, e.g. EU consortia, bilateral research projects, nationally funded projects etc.

Scientific background
Give details about the scientific question you are addressing
Max 4000 characters

Technical background
Give details about the technical challenges that will be addressed in your project and what work has already been completed e.g. Dataset already containerised.
Max 4000 characters

Planned work
Please include the key deliverables of the planned work with their approximate timings (months) after project initiation.
Max 4000 characters

Industry contribution
Please describe how the Industry/SME partner of the collaboration will contribute to the proposed work

Which of the following tools/workflow management systems/registries/infrastructure/standards do you plan to use for your project? Select all that apply.
The tools/workflow management systems/registries/infrastructure/standards listed are included in the EOSC-Life roadmap https://forum.eosc-life.eu/t/eosc-life-wp2-roadmap/31 Using the components included in this roadmap will help EOSC-Life to promote interoperability between research infrastructures

Conda/Bioconda	Jupyter	ELIXIR bio.tools	Snakemake
Singularity	RStudio	BioContainers	Common Workflow Language
Docker	OpenStack	EOSC-Life Workflow Hub	EOSC Datasets Minimum Information
OpenAPI	Kubernetes	OpenEBench	Don't know
Galaxy	Amazon Web Services	Galaxy workflow-testing	Other (please specify)
KNIME	Global Alliance for Genomics and Health (GA4GH)	EOSC-Life Life monitor	
Nextflow	RO-Crate (researchobject.org)	Workflow testing tools	

Provide Key features of the data resource/services that you will be using
If relevant to your project, give details regarding data types, dimensions, data models, ontologies, current storage and hardware, containerisation, curation, software and licenses, sensitive data or relevant ethical aspects.
Max 4000 characters

Key features of your workflow (if relevant to your project)
Description of the steps to be executed in your workflow, ontologies, containerisation, workflow engine,
software and license, registry, repository. Is your workflow fully established? Is it cloud ready? Describe the limitations and /improvement to be done (e.g. data input/output, runs-only-on-my-computer, user authentication/authorization, compute resources, amount of human intervention, licensing…)
Max 4000 characters

Compute and data resources required
What compute and data resources are required for your project? Be explicit with the requirements, e.g. CPUhrs, RAM, GBhr storage, Network, ancillary services (data transfer, workflow execution) etc. Describe the sensitivity of the data that will be processed by your project. For each required resource please state whether you would request access through EOSC-Life or whether you have access in-house or from another source.
Max 4000 characters

Technical expertise in your team
Please list which members of the project team will be responsible for which aspect of the proposed work and detail their expertise.
Max 4000 characters

FAIR data (FAIR=Findability, Accessibility, Interoperability, Reusability)
Please describe how your project work will improve upon the current situation with regards to FAIR data standards and how you will ensure that your project adheres to FAIR data principles.
Max 2000 characters

Expected Impact
Please include both expected scientific impact and expected impact providing resources for the EOSC and the scientific community.
Max 2000 characters

Mutual benefit
Please describe how the project generates value for both academia and industry and the potential for long-term collaboration
Max 2000 characters

Scientific domain
Select all scientific domain(s) that are relevant to the project. Each domain is associated with an EOSC-Life infrastructure.
1. Biobanking

2. Bioinformatics
3. Chemical biology
4. Clinical research
5. Functional genomics
6. Biological and biomedical Imaging
7. Marine organisms
8. Microbial resources
9. Pathogenic microorganisms
10. Plant phenotyping
11. Structural biology
12. Systems biology
13. Translational medicine

Budget
(download the [template spreadsheet](#) provided and complete with tasks and budget then upload here)

Relevant publications
Please add here up to 10 publications, either by members of your application team or other external works relevant to your project
max 10

Duration
Please give estimated start and end dates for the project. Projects should have a duration of maximum 12 months. Projects should be completed at the latest by 31 December 2022 and reports submitted by February 2023

Sustainability plan
What is the plan for the project after EOSC-Life? Include any Data Management Plan, Software Sustainability Management Plan, Project Output Management Plan.
Max 2000 characters

Have you been in contact with an EOSC-Life expert to discuss your project? If "Yes" please give the name of the expert(s) you have been in contact with

Do you require technical support from EOSC-Life experts during your project?
Yes, from data experts
Yes, from workflow experts
Yes, from cloud experts
No, I don't need support

If you request support from EOSC-Life experts, give details of any requested support.

Technical constraint?
Are there any technical constraints or flexibility to the project? E.g. This service must be deployed in multiple geophysical regions, or require 99.99% availability, etc.

Additional files (optional)
Add any additional documents that you would like to upload (e.g. figures, consent forms)

Letter of support Industry/SME collaborator (download the [Letter of support](#) provided and complete then upload here):