

Objectives of the Open Call

TtT event on the Open Call

14/04/2022

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NI4OS-Europe, WP6 leader



The Open Call started!

OPEN CALL

OPEN 11 April 2022

CLOSE 11 May 2022

GAIN ACCESS

to EOSC on-boarded NI4OS-Europe services



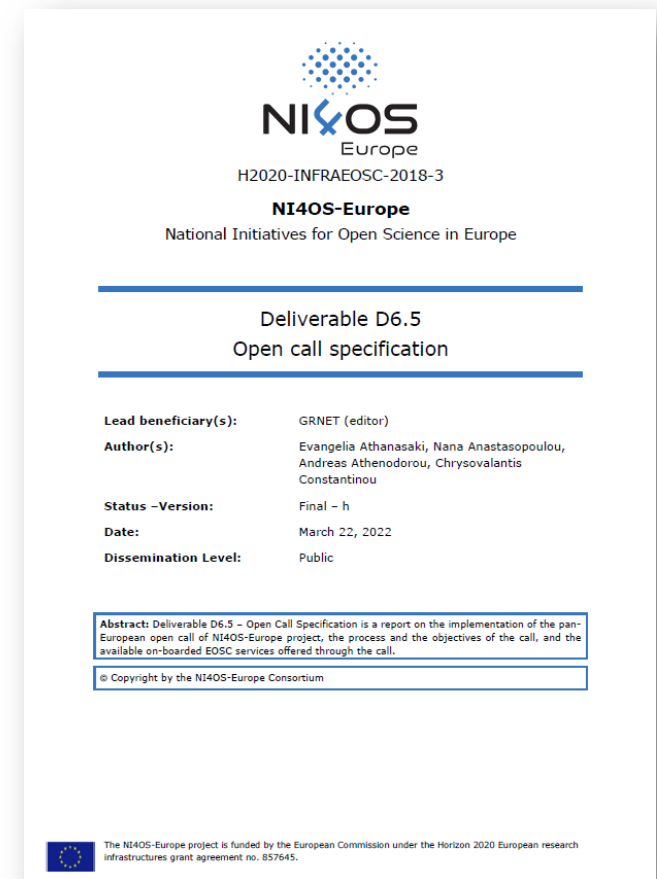
The Open Call started!

- Based on Deliverable D6.5

“Open call specification”

<https://doi.org/10.5281/zenodo.6424052>

- Open Call Specification is a report on the implementation of the pan-European open call of NI4OS-Europe project, the process and the objectives of the call, and the available on-boarded EOSC services offered through the call.



- ❑ Open Call works as a **Proof of Concept**.
- ❑ Test the usefulness as well as the quality of the on-boarding of the associated services.
- ❑ Enable researchers to create scientific output.
- ❑ Scientists will carry out research harmonised with the principles of Open Science.
- ❑ Contribute towards the use of EOSC.
- ❑ Contribute towards the capacity building of EOSC.

Principles of the Open Call

- ❑ The framework for the service provision is based on the following principles:
 - ❑ To make services and resources provided by NI4OS-Europe service catalogue available to as many as possible researchers from the European region as well as the associate countries ensuring open, FAIR and unbiased access of services.
 - ❑ To promote the usage of the underlying generic services provided by the NI4OS-Europe resource provider partners to the whole European region.
 - ❑ To promote scientific collaboration and exchange of know-how between the research groups following FAIR principles.
 - ❑ To open up the knowledge and data produced in the region to all researchers in Europe and beyond where possible.
 - ❑ To provide the opportunity to researchers of all countries to have access to the EOSC on-boarded services offered by NI4OS-Europe.

Evaluation process

- ❑ Proposals will undergo a technical and scientific review.
 - ❑ Determine the eligibility and suitability of applications for the requested services.
- ❑ Applications requesting HPC/Cloud/Storage resources will also be reviewed by independent scientific reviewers from the region.
- ❑ Applications not requiring HPC/Cloud/Storage resources will undergo a more lightweight review.
- ❑ After the review process, the NI4OS-Europe access committee will prioritize the applications based on criteria.
- ❑ Applicants will be notified of the final results of the evaluation.
- ❑ Successful applicants will receive further details regarding the resources and the process to obtain user accounts for granted resources.
- ❑ Support the usage of provided services via the NI4OS-Europe helpdesk.

Applicable scientific fields

- ❑ 80% of the projects would belong to the flagship scientific communities
- ❑ 20% of the projects would include any other specific domain
- ❑ Flagship communities:



Life Sciences

Scientific Community Leader: Zoe Cournia (BRFAA)



Digital Cultural Heritage

Scientific Community Leader: George Artopoulos (CYI)



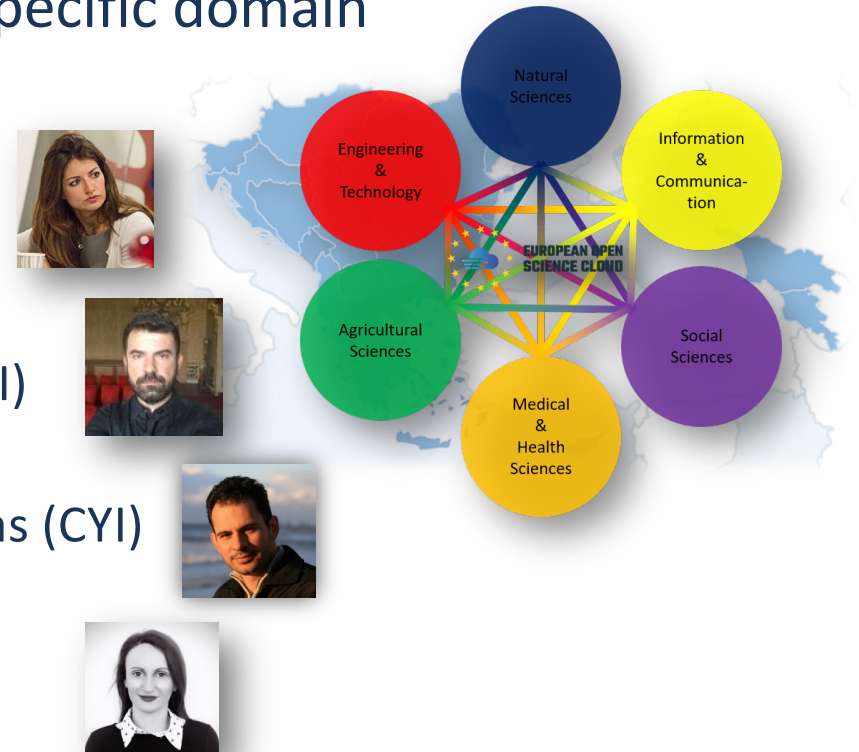
Climate Science

Scientific Community Leader: Theodoros Christoudias (CYI)



Computational Physics

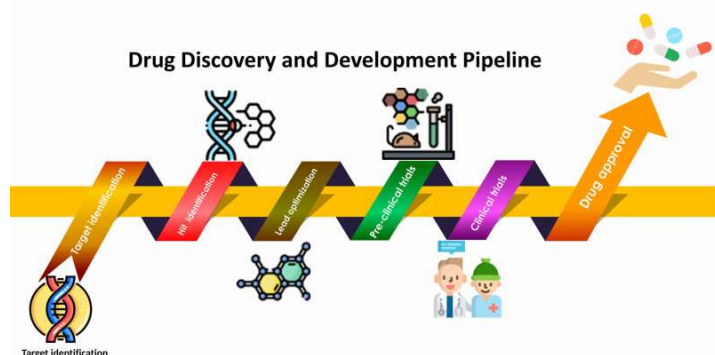
Scientific Community Leader: Bojana Koteska (UKIM)





Life Science topics

- ❑ 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.

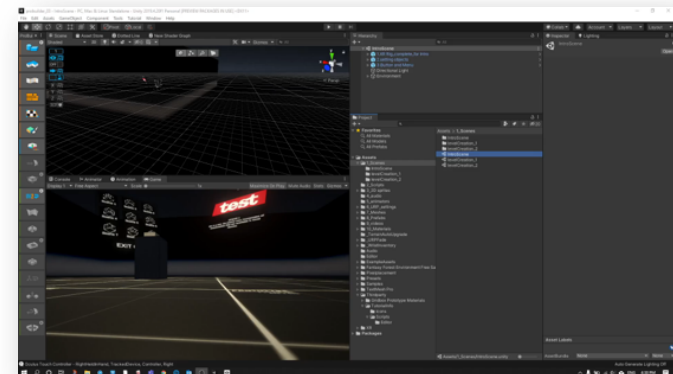
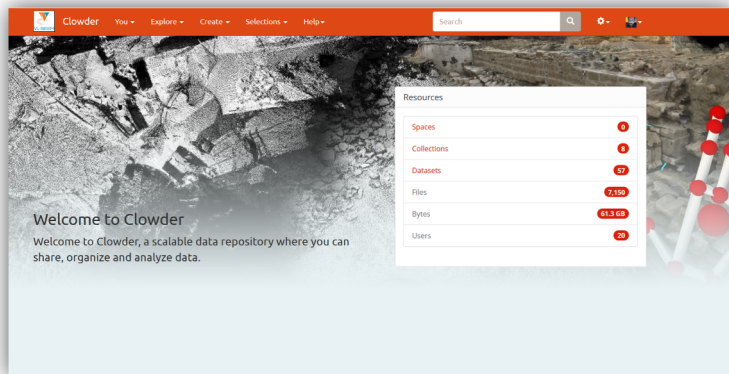


The screenshot shows the ChemBioServer website. The header includes the Bio logo and ChemBioServer title. The main content area is titled 'Welcome to ChemBioServer' and provides information about the server's purpose and citation requirements. It also lists system requirements and supported operating systems. The footer includes copyright information for 2011 BioAcademy and the launch date of Dec 20th, 2011.



Digital Cultural Heritage topics

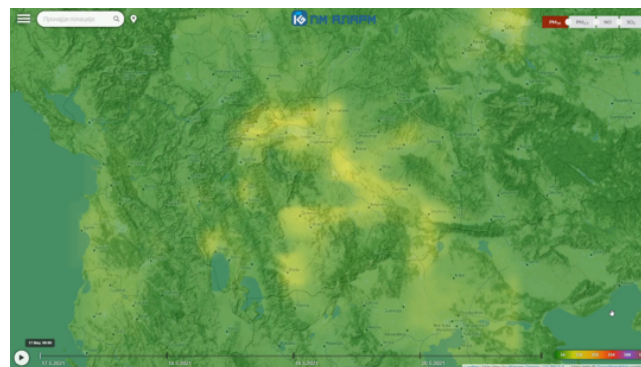
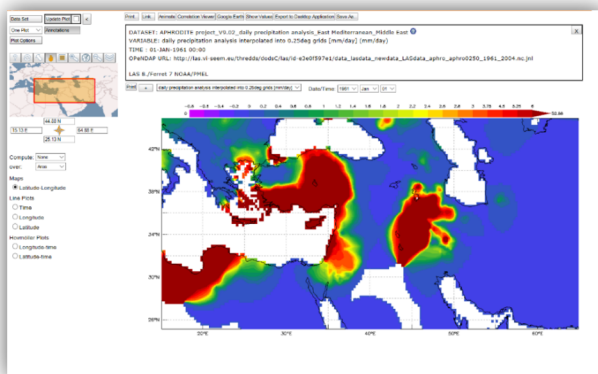
- ❑ DCH Area A: Online services and access to repositories to enable studies of the cultural heritage assets in the region.
- ❑ DCH Area B: Online visualization tools and data management systems to drive breakthrough contributions to art historical problems.
- ❑ DCH Area C: Unsupervised feature learning in photogrammetric techniques, data processing for image classification; semantic referencing; and geo-referencing.





Climate Science topics

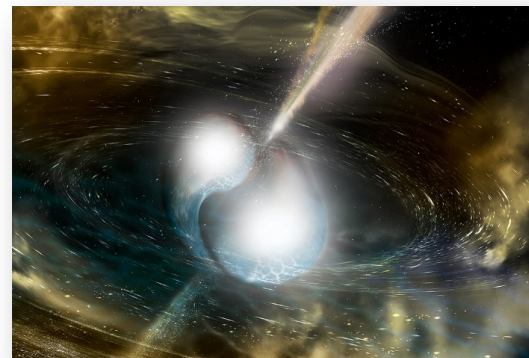
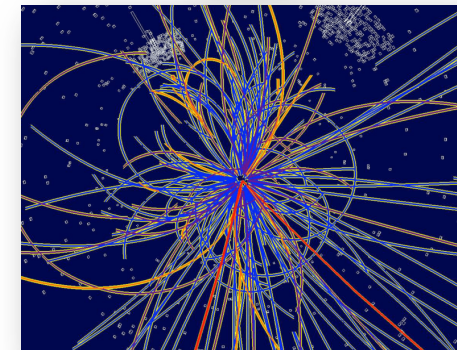
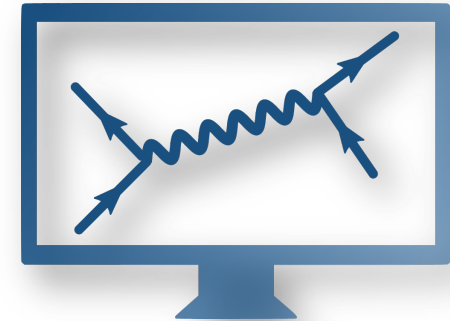
- ❑ CR Area A: Regional climate modelling to better understand and predict climate change and impacts, and phenomena such as dust storms.
- ❑ CR Area B: Air quality modelling, including atmospheric chemistry and air pollution transport.
- ❑ CR Area C: Weather forecast and extreme weather prediction, model development, application.





Computational Physics topics

- ❑ 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.



Criteria for the evaluation of projects

- ❑ Scientific excellence.
- ❑ Scientific and/or social impact of the proposed research.
- ❑ The need for usage of the selected services and resources.
- ❑ The ability to provide project.
- ❑ Maturity and experience of the principal investigator and his/her team in the research field, as well as in using the selected resources and services.
- ❑ Feasibility of the project based on the technical evaluation and the availability of resources.
- ❑ Potential for collaboration among scientists in more than one eligible country for this call.
- ❑ Relevance with the above-mentioned scientific communities will be considered an asset.
- ❑ Gender balance will be taken into account.

Eligibility

- ❑ Eligible applicants (as Principal Investigators) are scientists affiliated with academic or research institutions in the following countries (in alphabetical order)
 - ❑ EU member states – **Pan European**
 - ❑ +Associated Countries: Albania, Armenia, Bosnia & Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Kosovo, Moldova, Montenegro, Morocco, North Macedonia, Norway, Serbia, Switzerland, Tunisia, Turkey, Ukraine, United Kingdom.
 - ❑ Special attention will be given to PIs from Ukraine.



Application process

- ❑ All proposals **will be submitted electronically** via the NI4OS-Europe survey tool

- ❑ The application form is also available in a pdf format in order for applicants to have the full list of questions available.

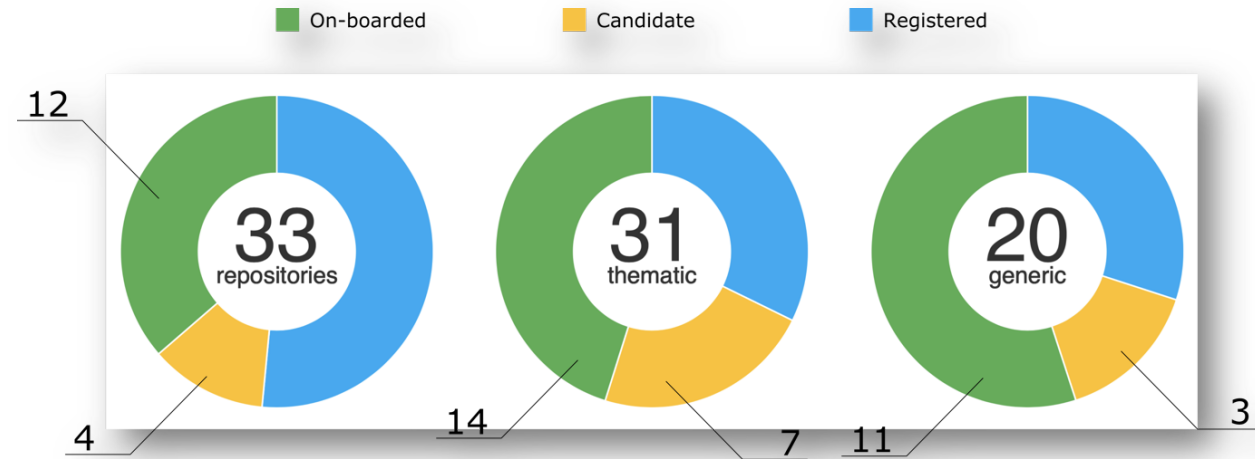
- ❑ Support to applicants will be provided during the call
 - ❑ NI4OS-Europe Access Team will be available to answer questions while the call is open.

Important dates

- ❑ Opening date: 11th of April 2022.
- ❑ Closing Date: 11th of May 2022.
- ❑ Clarification provided by applicants if needed: 13th of May 2022.
- ❑ Participation decision: July 2022.
- ❑ Generic service allocation Start Date of awarded proposals: July 2022.
- ❑ Allocation end date of award: January 2023 for computational services and March 2023 for some data services.
- ❑ Final report from successful projects: February 2023.

On-boarded services

- Generic Services
- Thematic Services
- Repositories



On-boarded generic services

□ HPC Resources

□ CPU



□ GPU



□ Xeon Phi



□ Cloud Virtual Machines



□ Generic Storage

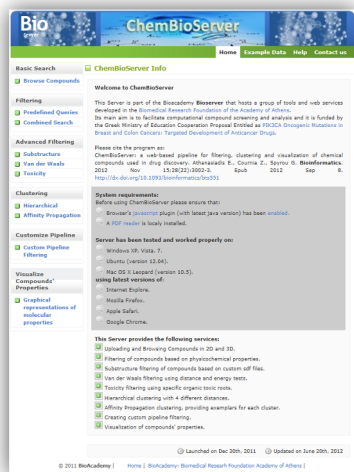


□ Data management services (Archival, Repository, Data discovery, Hadoop on-demand, Data analysis service, Simple storage)



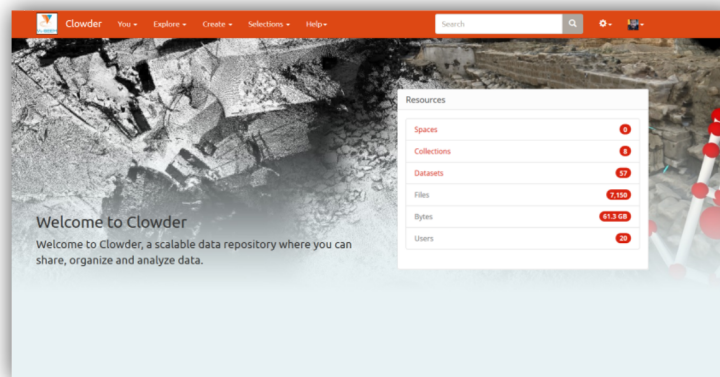
On-boarded thematic services

ChemBioServer



The screenshot shows the ChemBioServer website interface. It features a navigation menu with options like 'Home', 'Example Data', 'Help', and 'Contact us'. The main content area includes sections for 'Basic Search', 'Advanced Filtering', 'Clustering', and 'Customize Pipelines'. A 'Welcome to ChemBioServer' message is displayed, explaining that the server is part of the Bioinformatics Research Foundation of the Academy of Athens and is funded by the Greek Ministry of Education and Religious Affairs. It also lists system requirements and supported operating systems.

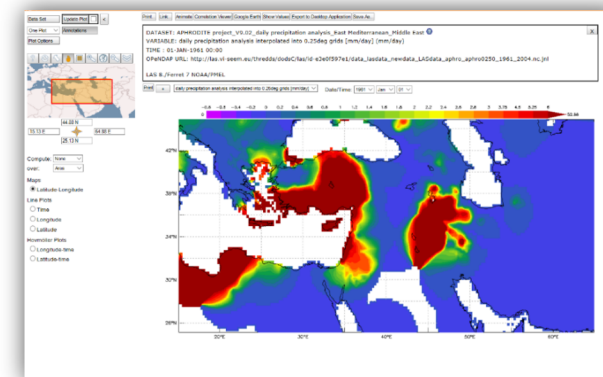
DCH Clowder



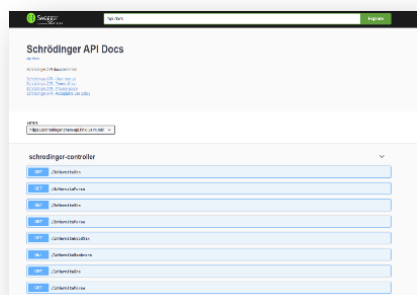
The screenshot shows the Clowder website interface. It features a navigation menu with options like 'You', 'Explore', 'Create', 'Selections', and 'Help'. The main content area includes a 'Welcome to Clowder' message and a 'Resources' table. The table lists various resources and their counts:

Resource	Count
Spaces	0
Collections	0
Datasets	57
Files	7,100
Bytes	81.5 GB
Users	20

Live Access Server



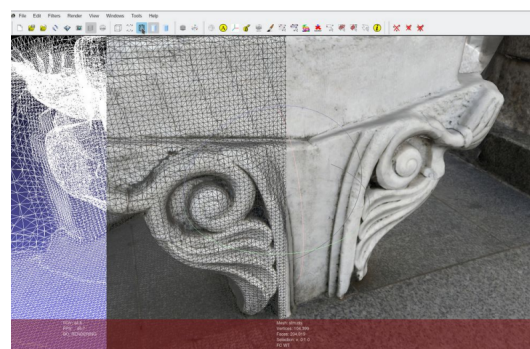
Schrödinger API



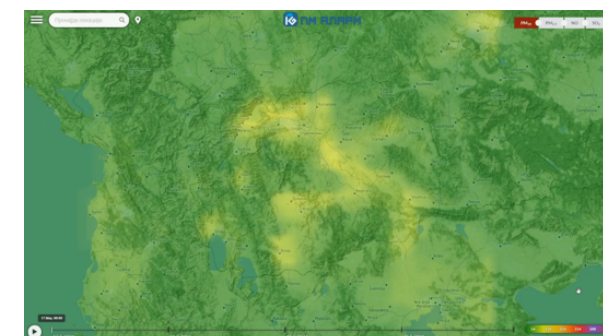
The screenshot shows the Schrödinger API website interface. It features a navigation menu with options like 'Home', 'Example Data', 'Help', and 'Contact us'. The main content area includes a 'Welcome to Schrödinger API' message and a 'Resources' table. The table lists various resources and their counts:

Resource	Count
Spaces	0
Collections	0
Datasets	57
Files	7,100
Bytes	81.5 GB
Users	20

CHERE



Airquality



Expected from partners

- ❑ Spread the words.
- ❑ Contact representatives in each scientific community.
- ❑ Ask them to forward the call to their networks.
- ❑ Mobilize EOSC promoters to communicate the open call.
- ❑ We target Pan-European researchers as well as researchers from associated countries!!!
- ❑ This needs to be advertised ASAP!!!

Thanks for your attention!