



**EUROPEAN OPEN
SCIENCE CLOUD**

Implementing an inclusive European Open Science Cloud

EOSC SYMPOSIUM 2021

NI4OS-Europe Pre-production Environment

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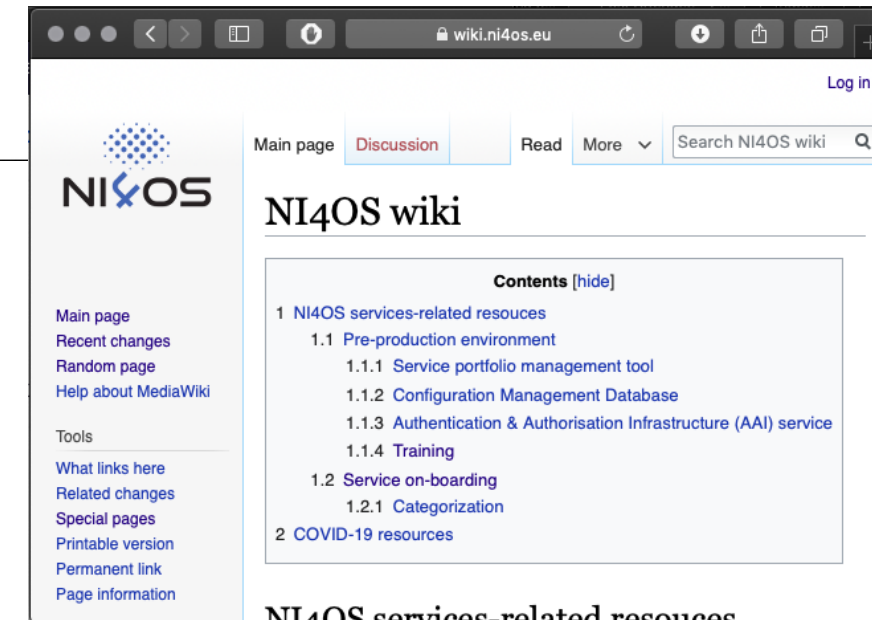
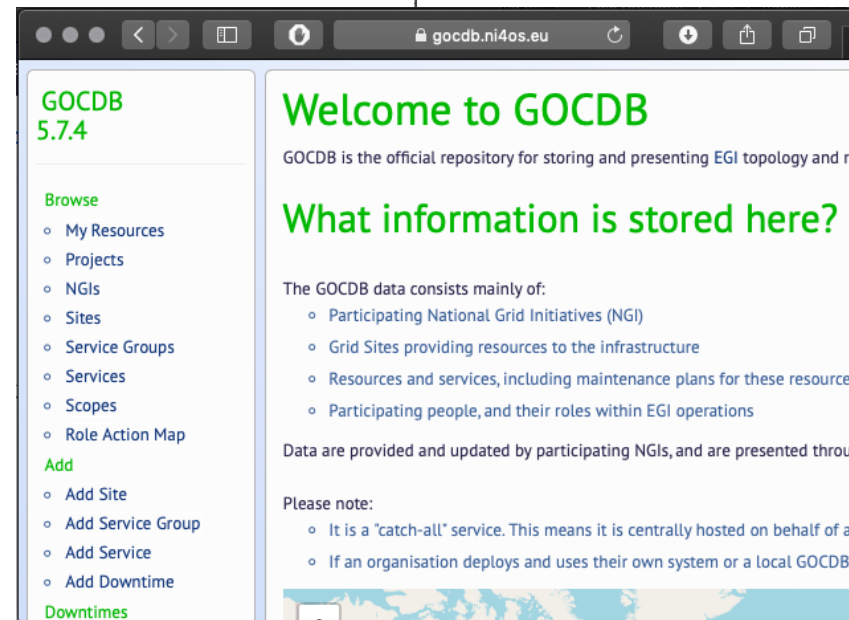
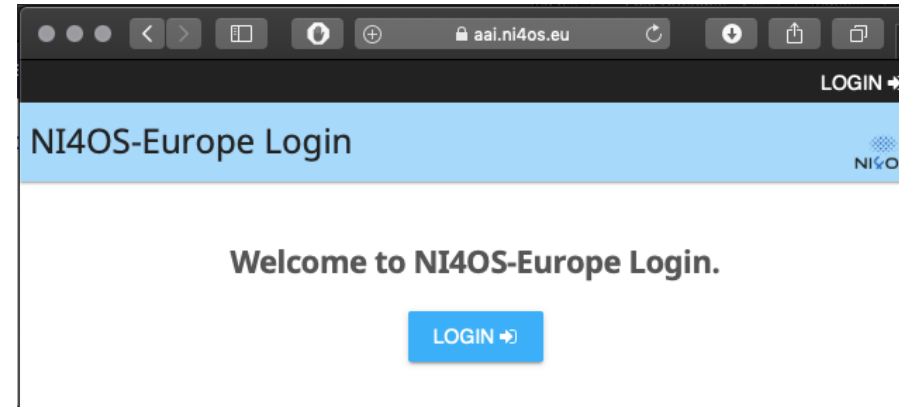


Introduction

- ★ Why do we need pre-production environment?
- ★ Minimum set of federating services to support the integration of regional services into the EOSC
- ★ Environment equivalent to the EOSC Core
- ★ Verify the quality of services before EOSC onboarding
- ★ Regionally support the service providers through the process
 - ★ Based on previous experience of excellent regional cooperation

Technical architecture of the pre-production env.

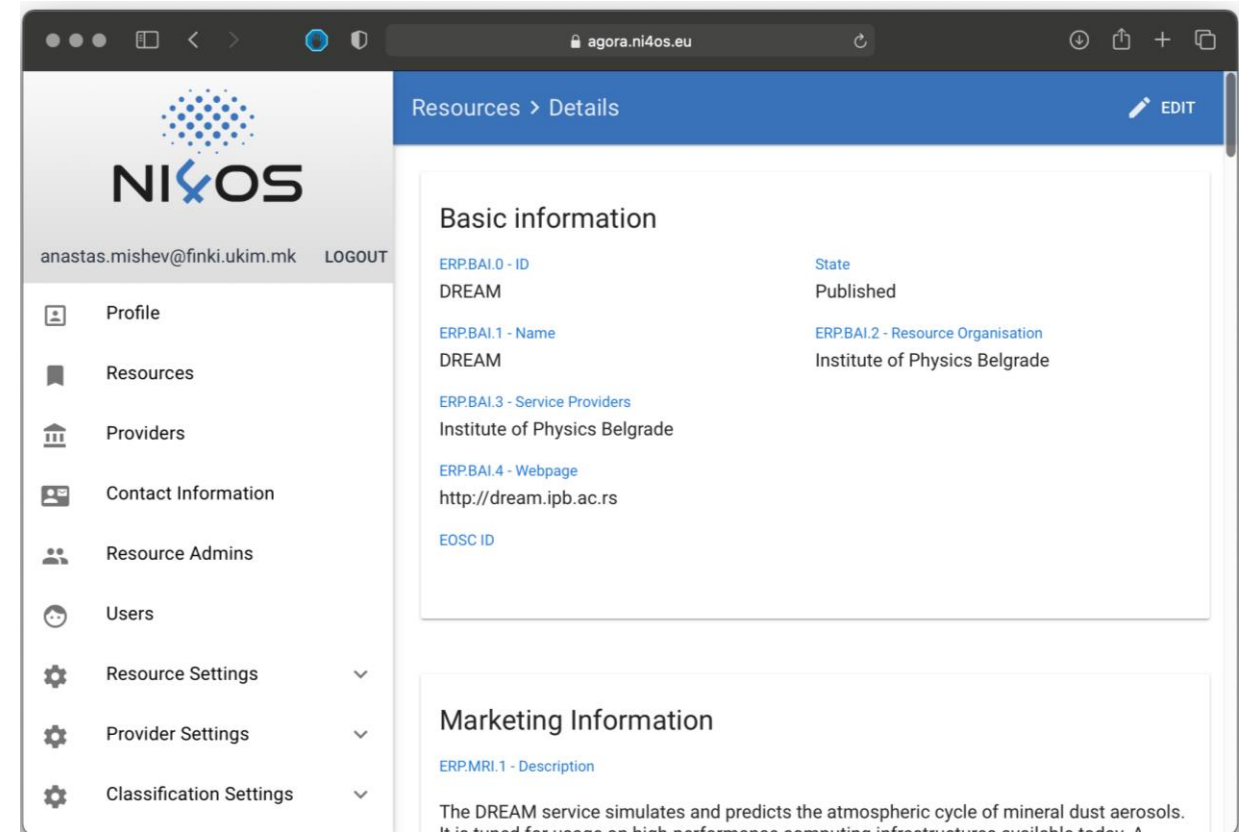
- ★ Service portfolio management system
 - ★ Agora
- ★ Helpdesk
 - ★ OTRS
- ★ AAI
 - ★ NI4OS-Europe Login
- ★ Monitoring
 - ★ Argo
- ★ Inventory
 - ★ GOCDDB
- ★ Accounting
 - ★ in-house
- ★ Training
 - ★ Moodle + BBB
- ★ Wiki
 - ★ MediaWiki
- ★ Events
 - ★ Indico



Service Portfolio Management System

- ★ AGORA system, developed by GRNET
- ★ Fully compatible with EOSC catalogues
- ★ Based on the EOSC Service Provider / Resource profiles

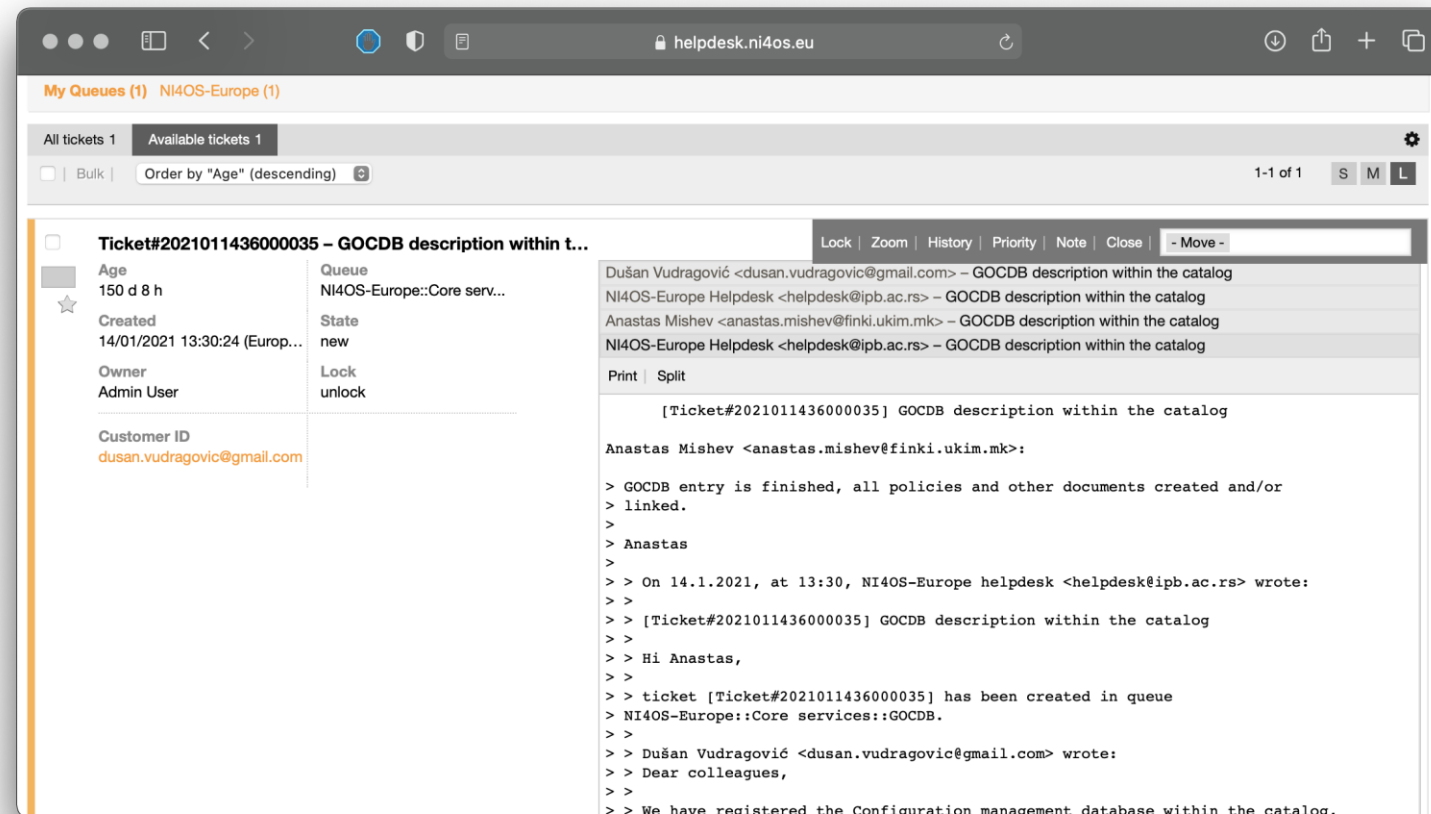
<https://agora.ni4os.eu/>



Helpdesk

<https://helpdesk.ni4os.eu/>

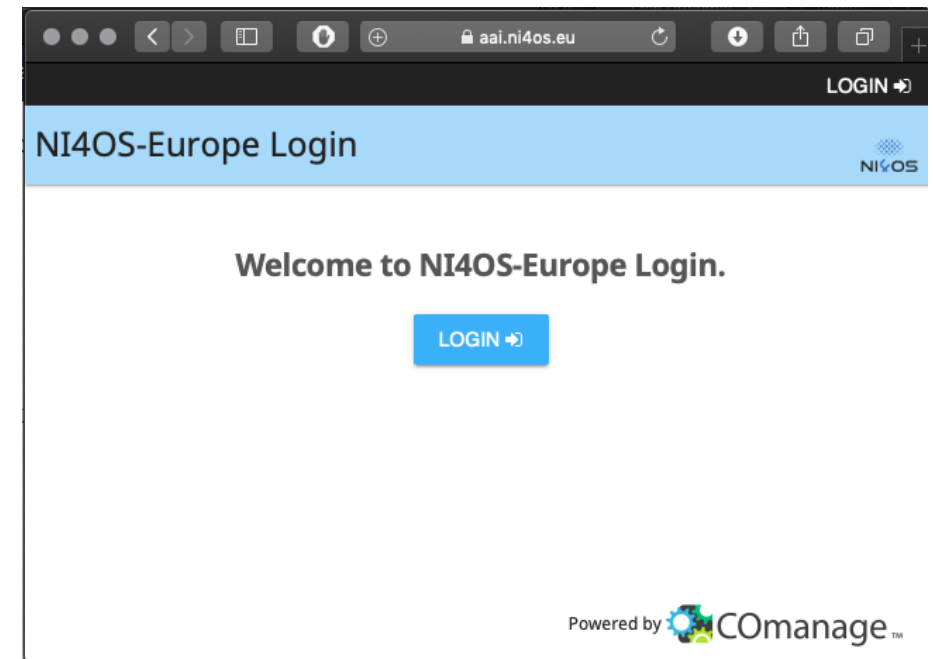
- ★ OTRS – community edition
- ★ Inline with other project efforts
- ★ Procedures for registering support channels available on the wiki



AAI – NI4OS-Europe Login

<https://aai.ni4os.eu/>

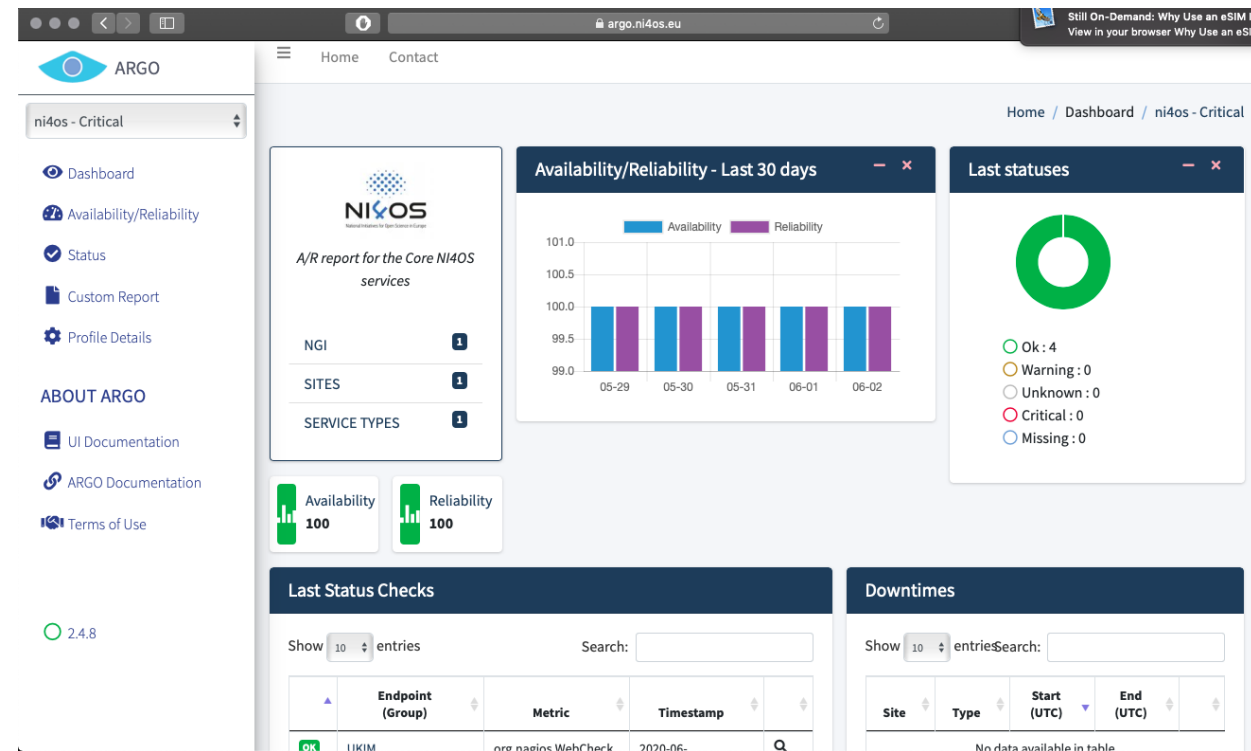
- ★ eduGAIN based
- ★ Dedicated wiki page with the instructions how to integrate services with NI4OS-Europe Login
- ★ Access to resources based on group management



Monitoring

- ★ ARGO tool
- ★ Extended with probes for different service flavours
- ★ Processes defined for each service type integration

<https://argo.ni4os.eu>



Training

- ★ Moodle + Big Blue Button based
- ★ AAI login enabled
- ★ Full GDPR compliance
- ★ Integrated rich webinar environment

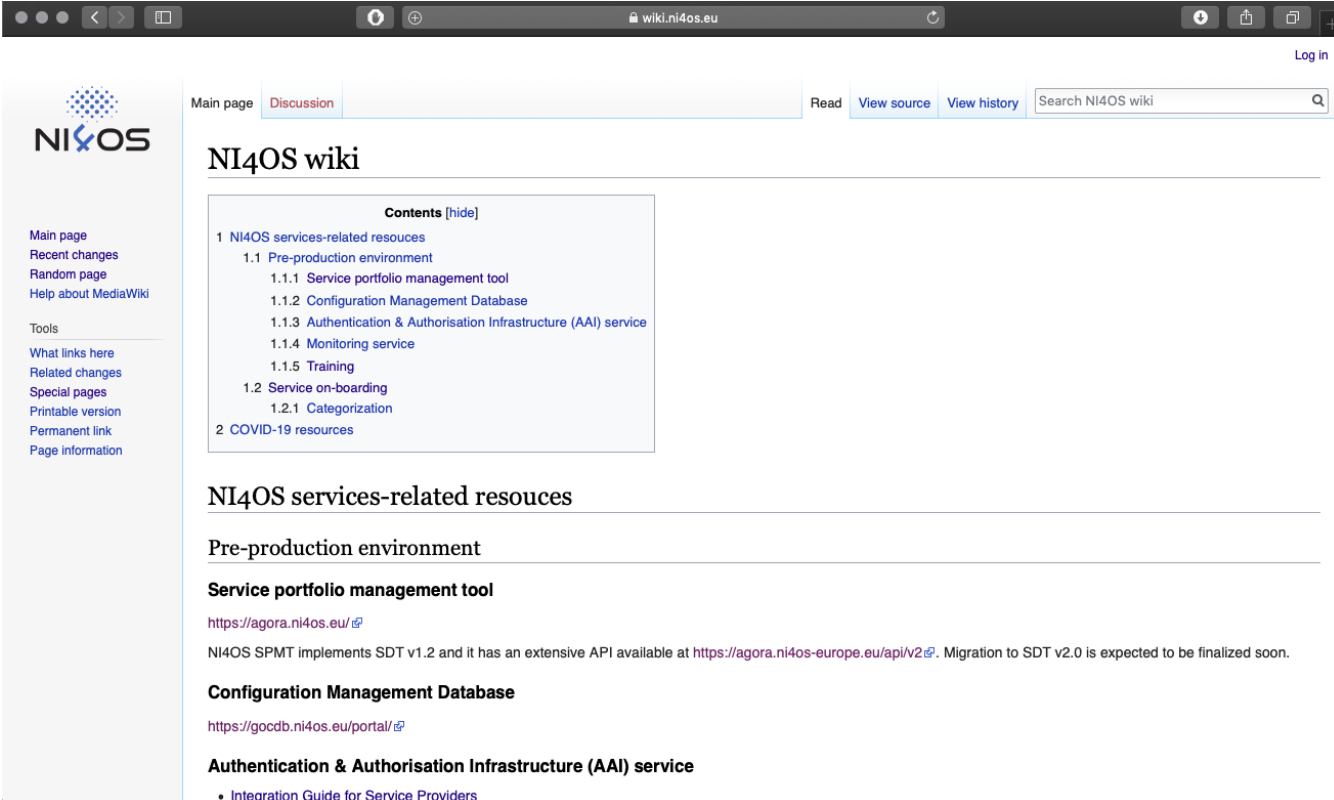
<https://training.ni4os.eu/>

The screenshot displays the NI4OS training platform interface. The top section, titled 'National Initiatives for Open Science in Europe', includes 'Site announcements' with a welcome message and a link to training materials. Below this is a 'Public Chat' window with a welcome message and a status message: 'This server is running BigBlueButton.' To the right, a 'NI4OS webinar training room' interface is shown, featuring a 'Project administrative summary' with details such as the project name, acronym (NI4OS-Europe, pronounced 'NIFOS'), call description, grant number (857645), funding amount (5,599,475e), and the number of partners (22 from 15 countries). A map of Europe highlights participating countries, and a 'Start recording' button is visible.

Technical wiki

<https://wiki.ni4os.eu/>

- ★ MediaWiki based
- ★ Growing set of documentation
- ★ Service integration processes
- ★ On-boarding procedures
- ★ Policies
- ★ Templates



The screenshot shows the NI4OS wiki homepage in a web browser. The browser's address bar displays 'wiki.ni4os.eu'. The page features a sidebar on the left with navigation links such as 'Main page', 'Recent changes', 'Random page', and 'Help about MediaWiki'. The main content area is titled 'NI4OS wiki' and includes a 'Contents [hide]' section with a table of contents listing various resources like 'Pre-production environment', 'Service portfolio management tool', 'Configuration Management Database', 'Authentication & Authorisation Infrastructure (AAI) service', 'Monitoring service', 'Training', 'Service on-boarding', and 'COVID-19 resources'. Below the table of contents, there are sections for 'NI4OS services-related resources', 'Pre-production environment', 'Service portfolio management tool' (with a link to 'https://agora.ni4os.eu/'), 'Configuration Management Database' (with a link to 'https://gocdb.ni4os.eu/portal/'), and 'Authentication & Authorisation Infrastructure (AAI) service' (with a link to 'Integration Guide for Service Providers').

Conclusion

- ★ Implemented all essential building blocks that enable the integration of generic and thematic services into the EOSC ecosystem
- ★ To understand how the pre-production environment works together with the Rules of Participation to support the onboarding process please follow:
 - ★ Friday 18 June, Implementation of EOSC, Rules of participation & PID policy breakout session 1
 - ★ **Rules of Participation for EOSC in the NI4OS-Europe context**

Thanks!



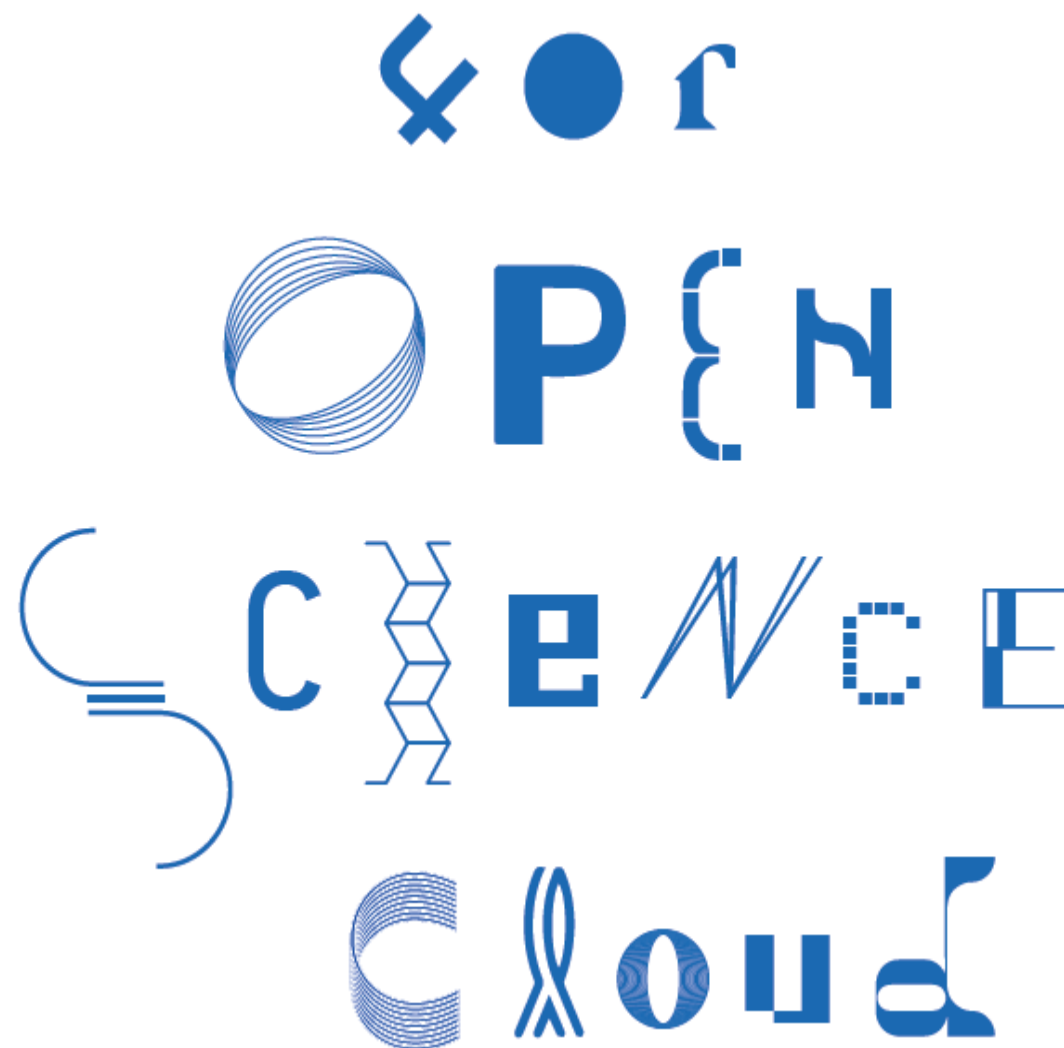
<https://ni4os.eu/>



https://twitter.com/NI4OS_eu



<https://www.facebook.com/NI4OS/>





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