



**EUROPEAN OPEN
SCIENCE CLOUD**

Implementing an inclusive European Open Science Cloud

EOSC SYMPOSIUM 2021

NI4OS-Europe Pre-production Environment

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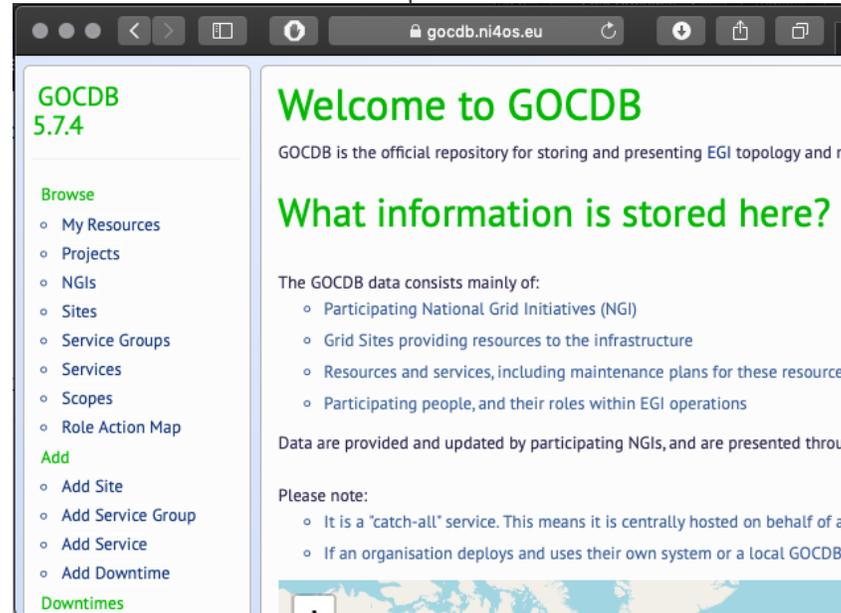
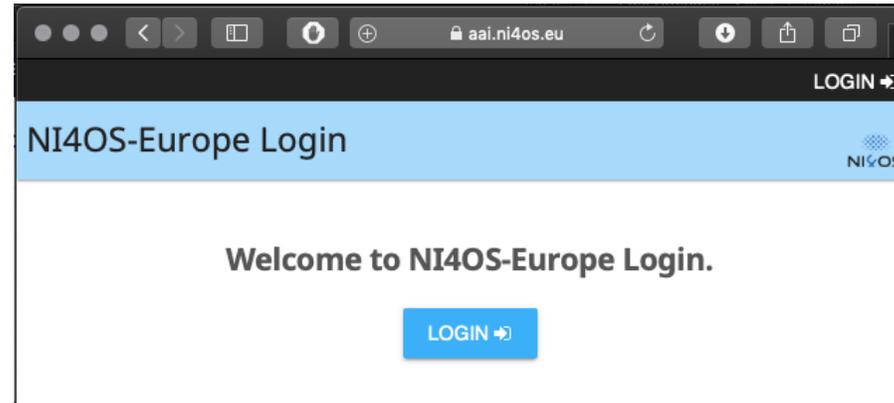


Introduction

- ★ 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
 - ★ GOcdb
- ★ 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

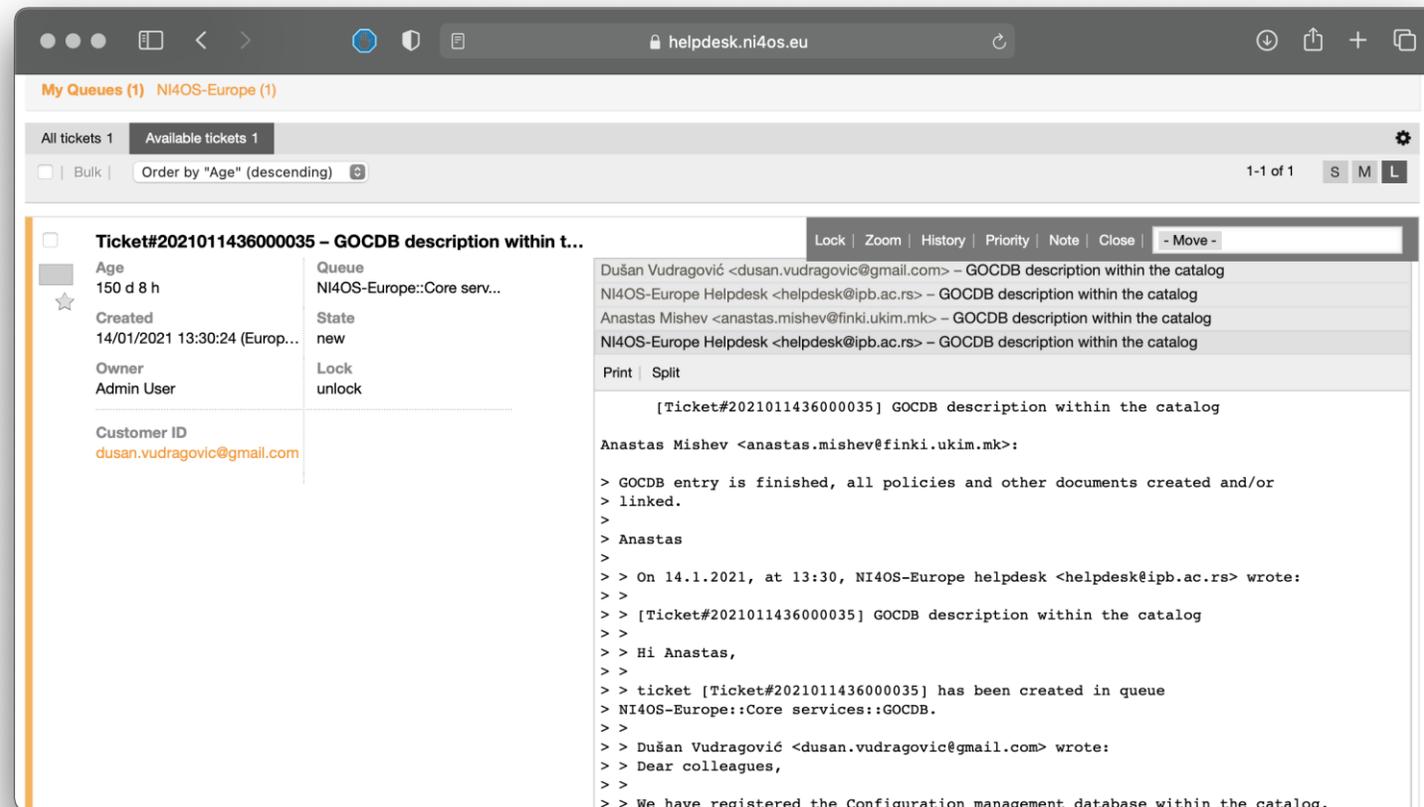
<https://agora.ni4os.eu/>

The screenshot displays the NI4OS AGORA system interface. The browser address bar shows 'agora.ni4os.eu'. The page title is 'Resources > Details' with an 'EDIT' button. The left sidebar contains the NI4OS logo and a user profile for 'anastas.mishev@finki.ukim.mk' with a 'LOGOUT' link. Below the profile are navigation menu items: Profile, Resources, Providers, Contact Information, Resource Admins, Users, Resource Settings, Provider Settings, and Classification Settings. The main content area shows 'Basic information' for a resource named 'DREAM'. It lists several ERPBAI fields: ERPBAI.0 - ID (DREAM), ERPBAI.1 - Name (DREAM), ERPBAI.3 - Service Providers (Institute of Physics Belgrade), and ERPBAI.4 - Webpage (http://dream.ipb.ac.rs). It also shows the EOSC ID and the State (Published). Below this is the 'Marketing Information' section, which includes the description: 'The DREAM service simulates and predicts the atmospheric cycle of mineral dust aerosols. It is tuned for usage on high performance computing infrastructure available today.'

Helpdesk

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

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



The screenshot displays the NI4OS-Europe Helpdesk interface. The browser address bar shows `helpdesk.ni4os.eu`. The page title is "My Queues (1) NI4OS-Europe (1)". Below the title, there are tabs for "All tickets 1" and "Available tickets 1". The main content area shows a ticket titled "Ticket#2021011436000035 – GOCDB description within t...". The ticket details include:

Age	150 d 8 h	Queue	NI4OS-Europe::Core serv...
Created	14/01/2021 13:30:24 (Europ...	State	new
Owner	Admin User	Lock	unlock
Customer ID	dusan.vudragovic@gmail.com		

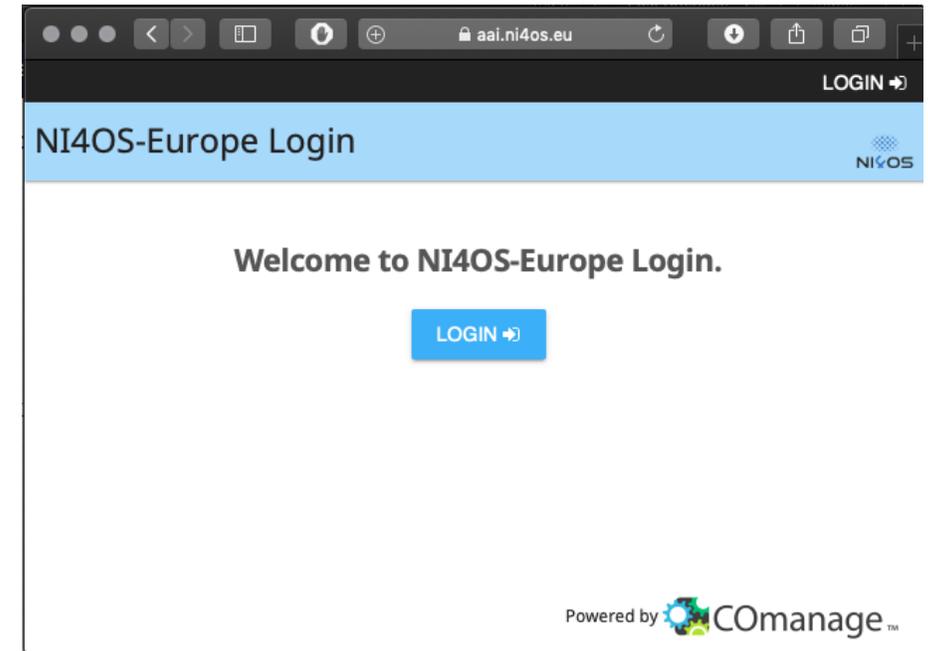
The ticket description is visible in a text area, showing a conversation between Dušan Vudragović and Anastas Mishev. The text includes:

```
[Ticket#2021011436000035] GOCDB description within the catalog
Anastas Mishev <anastas.mishev@finki.ukim.mk>:
> GOCDB entry is finished, all policies and other documents created and/or
> linked.
>
> Anastas
>
> On 14.1.2021, at 13:30, NI4OS-Europe helpdesk <helpdesk@ipb.ac.rs> wrote:
>
> [Ticket#2021011436000035] GOCDB description within the catalog
>
> Hi Anastas,
>
> ticket [Ticket#2021011436000035] has been created in queue
> NI4OS-Europe::Core services::GOCDB.
>
> Dušan Vudragović <dusan.vudragovic@gmail.com> wrote:
> Dear colleagues,
>
> We have registered the Configuration management database within the catalog,
```

AAI – NI4OS-Europe Login

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

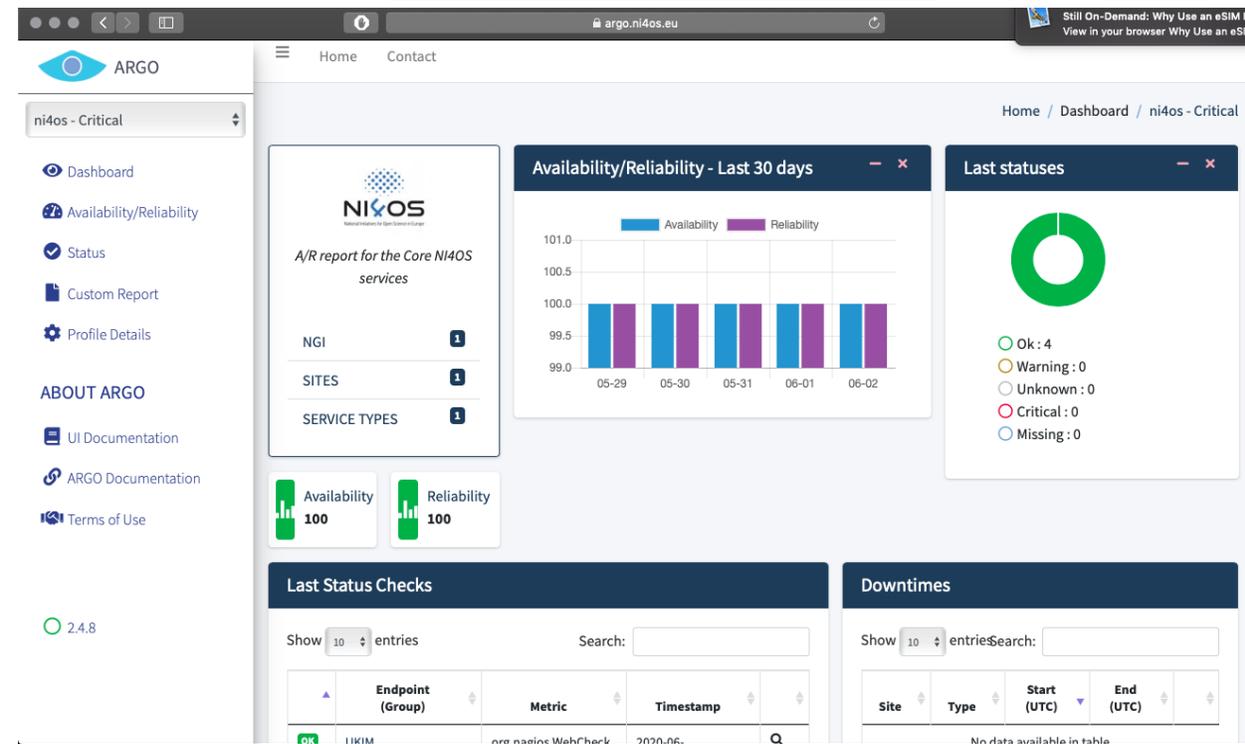
<https://aai.ni4os.eu/>



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

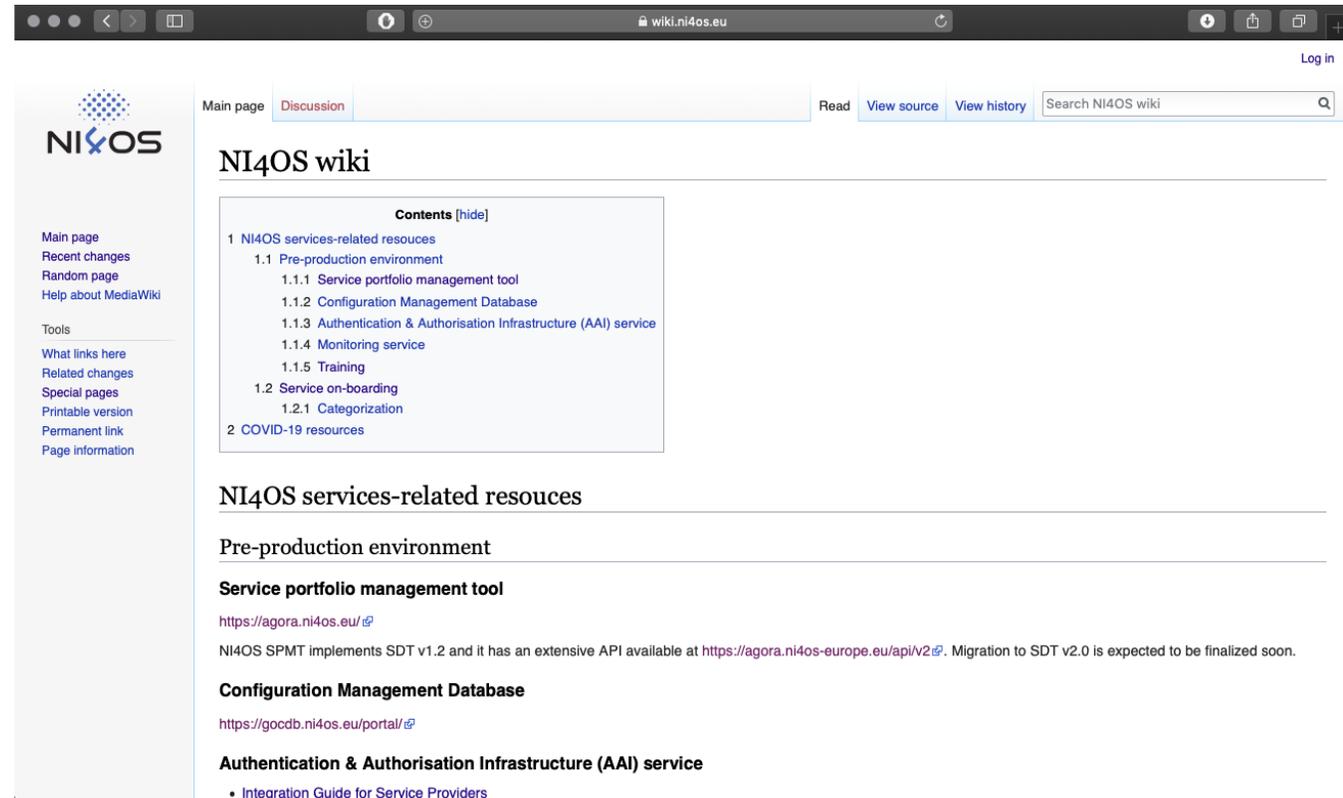
<https://training.ni4os.eu/>

The image shows two overlapping screenshots. The top one is a browser view of the training platform at training.ni4os.eu. It features the NI4OS logo and the text 'National Initiatives for Open Science in Europe'. Under 'Site announcements', there is a post from 'Admin User' dated Friday, 29 November 2019, 11:41 AM, welcoming users to the training platform and providing information about training materials and registration. The bottom screenshot shows a 'NI4OS webinar training room' interface. It includes a 'Public Chat' window with a welcome message and a 'Project administrative summary' for the NI4OS project. The summary lists key details: Name (National Initiatives for Open Science in Europe), Acronym (NI4OS-Europe, pronounced 'NIFOS'), Call (INFRAEOSC-05 (b) Coordination of EOSC-relevant national initiatives across Europe and support to prospective EOSC service providers - Research and Innovation Actions), Grant number (857645), Amount of EC funding (5,599,475e), and 22 Partners from 15 countries. A map of Europe highlights the participating countries.

Technical wiki

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

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



The screenshot shows the NI4OS wiki homepage in a browser. The browser address bar displays 'wiki.ni4os.eu'. The page features a navigation menu with 'Main page' and 'Discussion' tabs, and a search bar labeled 'Search NI4OS wiki'. The main content area is titled 'NI4OS wiki' and includes a 'Contents [hide]' table of contents with the following items:

- 1 NI4OS services-related resources
 - 1.1 Pre-production environment
 - 1.1.1 Service portfolio management tool
 - 1.1.2 Configuration Management Database
 - 1.1.3 Authentication & Authorisation Infrastructure (AAI) service
 - 1.1.4 Monitoring service
 - 1.1.5 Training
 - 1.2 Service on-boarding
 - 1.2.1 Categorization
- 2 COVID-19 resources

Below the table of contents, the page lists 'NI4OS services-related resources' and provides links to specific sections:

- Pre-production environment**
- Service portfolio management tool**
<https://agora.ni4os.eu/>
NI4OS SPMT implements SDT v1.2 and it has an extensive API available at <https://agora.ni4os-europe.eu/api/v2/>. Migration to SDT v2.0 is expected to be finalized soon.
- Configuration Management Database**
<https://gocdb.ni4os.eu/portal/>
- Authentication & Authorisation Infrastructure (AAI) service**
 - [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!



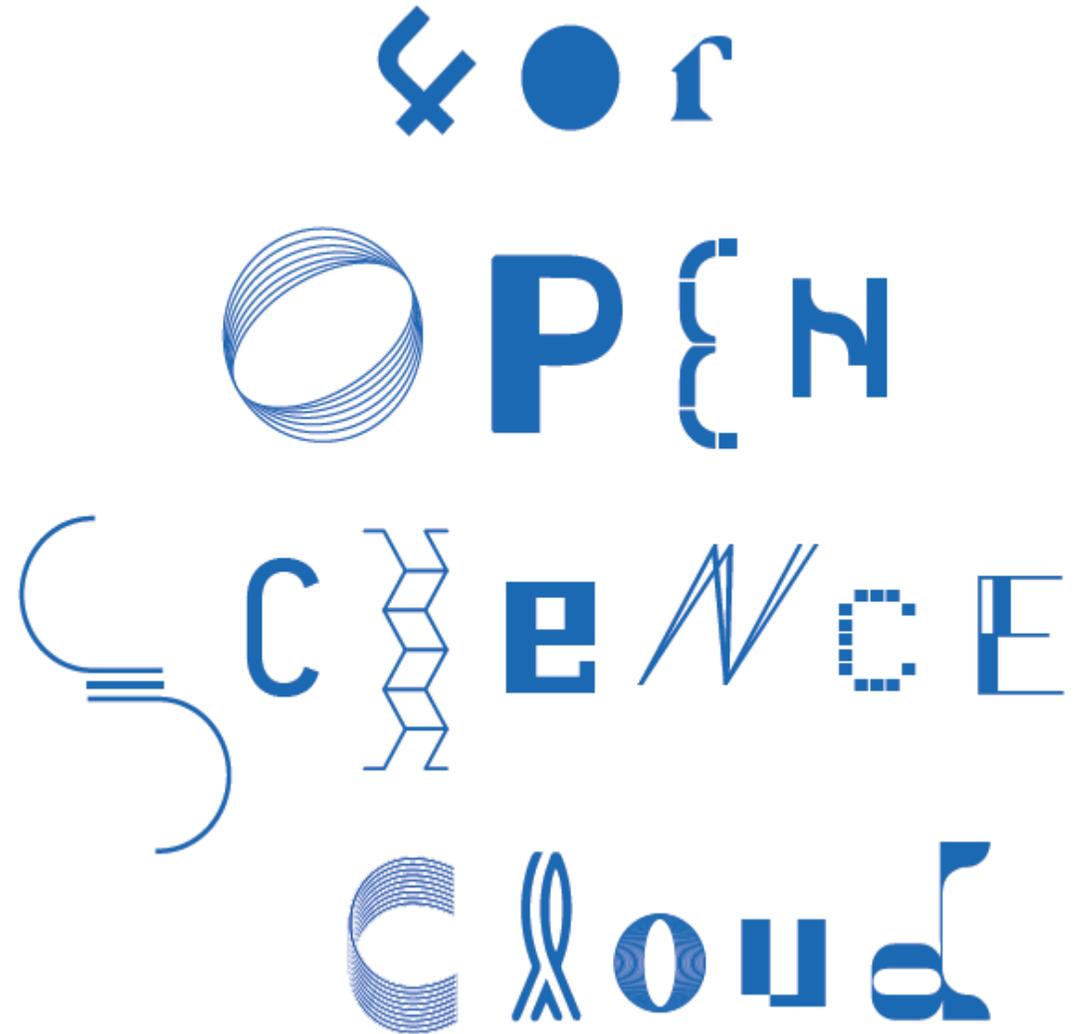
<https://ni4os.eu/>



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