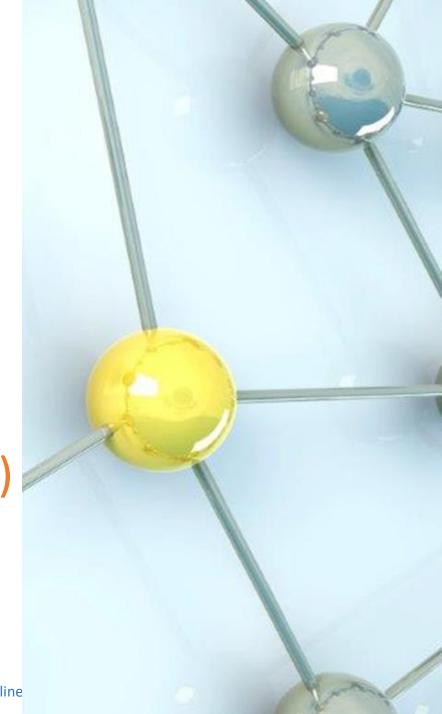


National Initiatives for Open Science in Europe

Acces la servicii EOSC. Includerea serviciilor în EOSC (on-boarding)

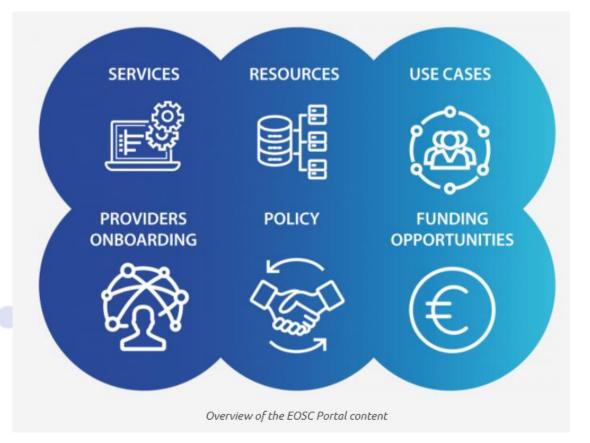
Alexandr Golubev



Access to EOSC services

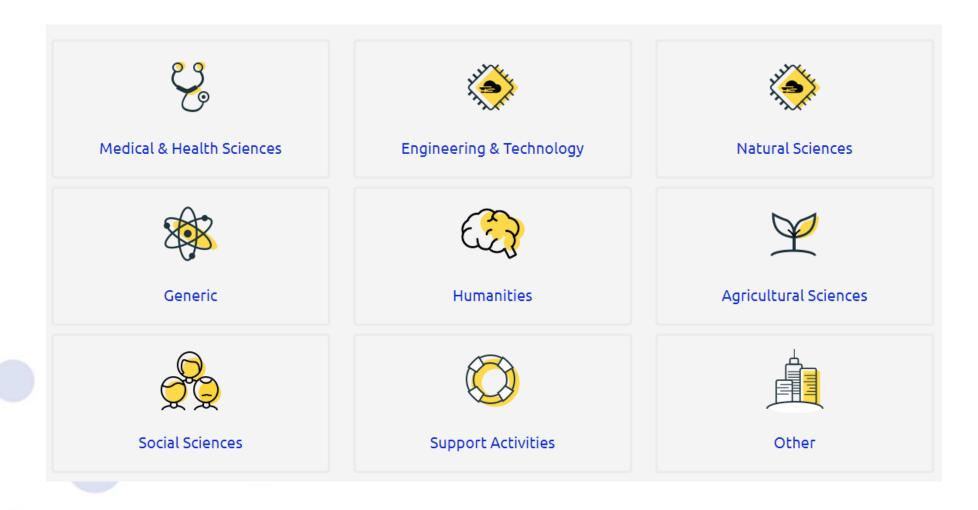


https://eosc-portal.eu/



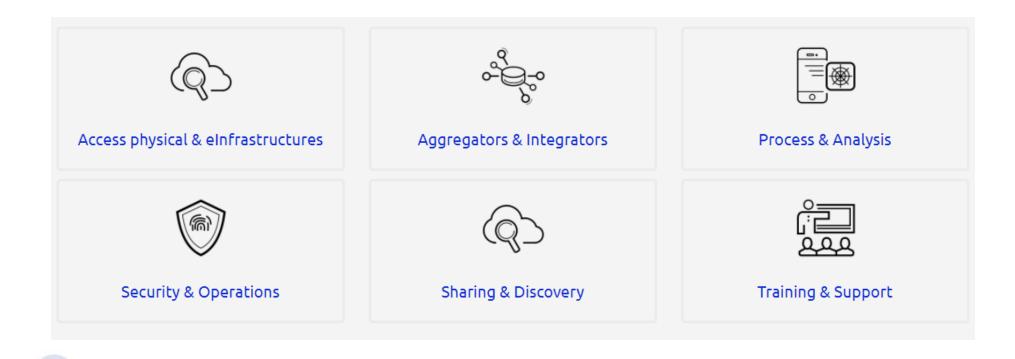
Scientific Domains





Categories



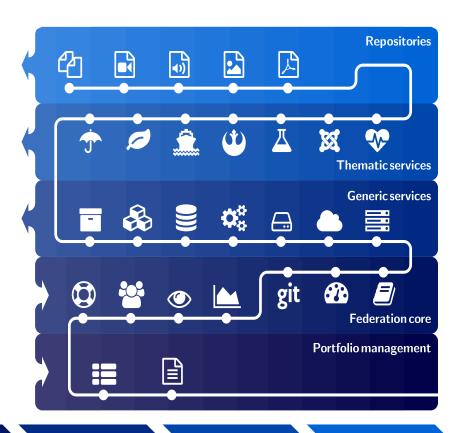


Service integration and onboarding



- Pre-production environment validate readiness and maturity level for EOSC onboarding
- Service portfolio management system based on the EOSC provider and service profile
- Integration with federation core services
- Service categorization
- Onboarding of
 - generic services
 - thematic services
 - repositories





Request for onboarding

Information gathering

Integration

Validation

Publication

NI4OS-Europe pre-production environment

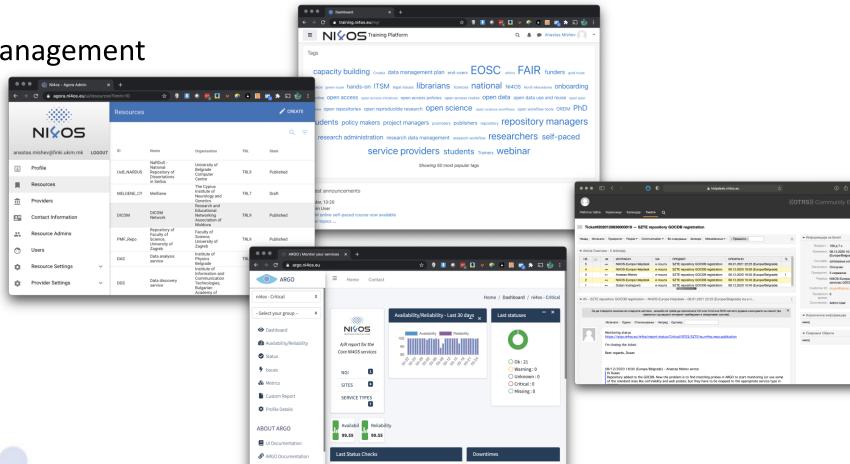


Federating core

Service catalogue management

system (AGORA)

- AAI
- Helpdesk
- Monitoring
- Accounting

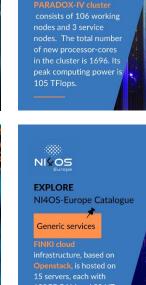


On-boarded generic services



- HPC resources: CPU, GPU, Xeon Phi
- Cloud Virtual Machines
- Generic Storage
- Data management services
- 14 generic services registered within the AGORA catalogue
- 4 generic services are fully onboarded



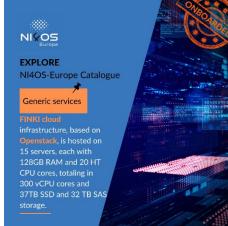


NIVOS

EXPLORE

NI4OS-Europe Catalogue





Registered Generic Services for Moldova



Generic services:

- NI4OS-Europe-SDT-Cloud-RENAM-MD-Openstack
- NI4OS-Europe-SDT-Storage-MD-RENAM-FreeNAS

Basic Information					
Entry name	Entry type	Required	Public	Your answer	Guidance
Storage specification	Single Line	Х	X	R740XD Server	
Total storage [TB]	Single Line	X	Χ	56Tb	
Storage technology	Single selection la	X	X	SAS	SSD, SAS,
Storage performance	Single Line		X	140	IOPS
Software details					
Entry name	Entry type	Required	Public	Your answer	Guidance
Supported interfaces	Single Line	Х	X	FTP, NFS, WebD	List of protocols
Supported storage types	Multiselect list		X		Available

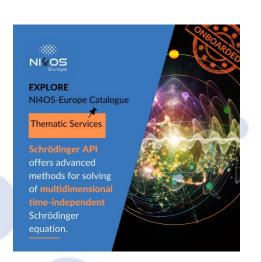
Basic Information		- 200 - 100	*	20
Entry name	Entry type	Required	Public	Your answer Guidance
Server specification	Single Line	X	X	Dell R430 This might be
Number of servers	Single Line	X	X	2 Number of
CPU details				
Entry name	Entry type	Required	Public	Your answer Guidance
CPU specification	Single Line	X	X	Intel(R) Xeon(R) I
CPUs per server	Single Line	X	X	2
Cores per CPU	Single Line	X	X	16
RAM per server [GB]	Single Line	X	X	128
RAM per core [GB]	Single Line	X	X	8
Total number of CPU-cores	Single Line	X	X	32
Filesystem details				
Entry name	Entry type	Required	Public	Your answer Guidance
Total storage [TB]	Single Line	X	X	2.7
Virtual Machine specification				
Entry name	Entry type	Required	Public	Your answer Guidance
Minimum number of CPU cores per VM	Single Line	X	X	1
Minimum amount of RAM per VM [GB]	Single Line	X	X	2
Maximum number of CPU cores per VM	Single Line	X	X	4
Maximum amount of RAM per VM [GB]	Single Line	X	X	16
Maximum amount of storage per VM [GB]	Single Line	X	X	250
Software details				

RENAM continued negotiation of services on-boarding prioritization, timing, categorization and preparing own resources for on-boarding and verification according to the developed documents, templates and rules.

On-boarded thematic services



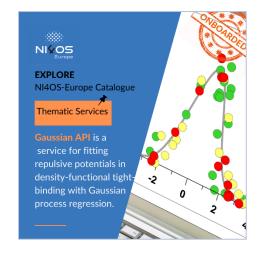
- 14 thematic services registered within the AGORA catalogue
- 6 thematic services are fully onboarded













Registered Thematic Services and Repositories



- Thematic services:
- DICOM Network
- CSIA

- Repositories:
- IREK ASEM, Institutional Repository of Economic Knowledge.
- Support of integration of national repositories;
- Preparing repositories for integration, analysis of problems and regulatory documents

DICOM Network Service Development:

- DICOM Viewer optimizations. Added one more Image View for impersonated Data.
- Connecting new members to DICOM Network.
- Connecting new equipment to DICOM Network.
- Added special reporting tools for COVID 19 patients.



Percentage of COVID-19 patients in the DICOM NETWORK system. Blue is non COVID-19 investigations and teal are COVID-19 investigations.

On-boarded repositories



- Enhance discoverability (indexed by registries)
- Contribute to OpenAIRE/EOSC Research Graph (OpenAIRE compatibility; information contextualization)
- Enrich collections (Broker)
- Certification (in collaboration with FAIRsFAIR)
- 7 repositories registered within the AGORA catalogue
- 2 fully on-boarded



On-boarded pre-production environment













Services from NI4OS-Europe pre-production environment have been on-boarded

EOSC candidate repositories: actions





- Type of repository (CRIS, registry, database, etc)
- Maturity (in beta vs in production; maintenance, software versions)
- Types of content/ data (literature, data, OER, digitisations, etc)
- Services integrated (internal vs external; PIDs etc)
- Best practices adoption (Open & FAIR, policy, training)
- Enhance discoverability (indexed by registries)
- Contribute to OpenAIRE/ EOSC Research Graph (OpenAIRE compatibility; information contextualisation)
- Enrich collections (Broker)
- Certification (in collaboration with FAIRsFAIR)

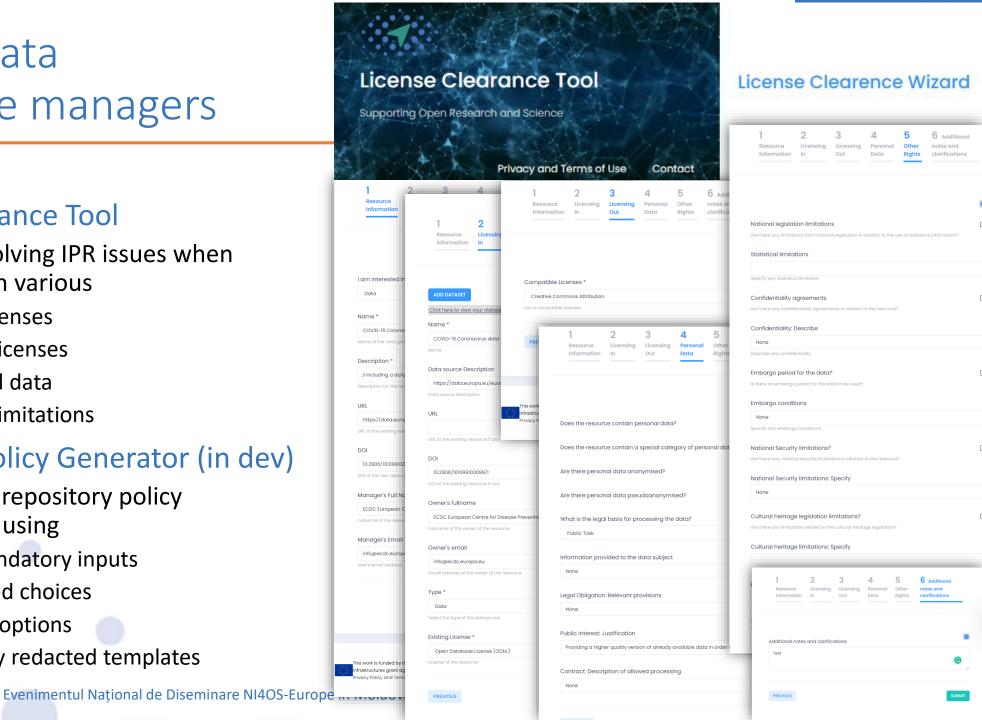


45 candidates
Certification
NOADs cooperation

Tools for data and service managers

License Clearance Tool

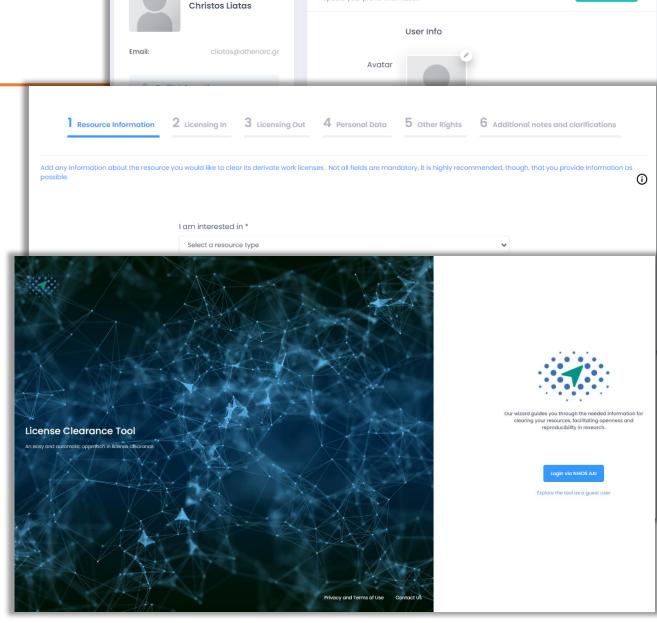
- Help in resolving IPR issues when dealing with various
 - input licenses
 - output licenses
 - personal data
 - special limitations
- Repository Policy Generator (in dev)
 - Creation of repository policy documents using
 - Few mandatory inputs
 - **Explained choices**
 - Related options
 - Carefully redacted templates



LCT- License Clearance Tool

→ https://lct.ni4os.eu/

- An intuitive tool for content license clearance.
- Automates the clearance of rights (copyright) for derivate works.
- Mitigates legal uncertainty and diminishes costs in the clearance of licensing issues.
- Effectively reduces time to publicly release properly licensed content.
- Mainstreams legal support on usage rights.
- Allows for both free-tier and costmodel based crowdsourced clearance.



Profile Information

Update your profile information



RoLECT - EOSC RoP Legal & Ethics Compliance

→ https://rolect.ni4os.eu

- Guided compliance check for legal and ethics EOSC RoP.
- Targets service providers, researchers and research organizations.
- Mitigates legal uncertainty and ensures compliance with the key legal and ethical aspects.
- Successfully reduces time for compliance evaluations.
- Mainstreams EOSC RoP compliance procedure, tracking changes, identifying and constructing a series of legal and ethical rules.
- Will evolve to automatically check the validity of the provided resources.

