National Initiatives for Open Science in Europe

National Dissemination Event

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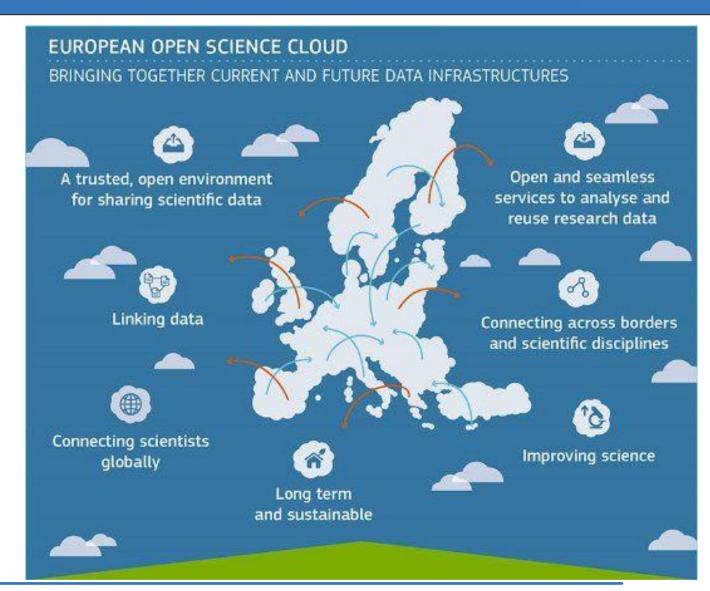


European Open Science Cloud EOSC



- The role of the EOSC is to ensure that European scientists will receive the full benefits of data-driven science, by offering:
- "1.7 million European researchers and 70 million professionals in science and technology a virtual environment with free at the point of use, open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines"

2016 Communication on the "European Cloud Initiative"



Project administrative summary



- Name: National Initiatives for Open Science in Europe (NI4OS-Europe)
- Horizon 2020 call: INFRAEOSC-05

 (b) Coordination of EOSC-relevant national initiatives across Europe and support to prospective EOSC service providers Research and Innovation Actions
- Duration: 01/09/2019-31/08/2022(36 Months) + 6 Months
- Amount of EC funding 5,599,475 Euro
- 22 Partners from 15 countries



Partnership



1	National Infrastructures for Research and Technology SA	GRNET	Greece	
2	Athena Research & Innovation Center	ATHENA	Greece	
3	The Cyprus Institute	CYI	Cyprus	1
4	University of Cyprus	UCY	Cyprus	L
5	Institute of Information and Communication Technologies	IICT	Bulgaria	_
6	SRCE - University of Zagreb, University Computing Centre	SRCE	Croatia	
7	Ruđer Bošković Institute	RBI	Croatia	
8	Governmental Agency for IT Development	KIFU	Hungary	
9	University of Debrecen	UD	Hungary	_
10	National Institute for Research and Development	ICI	Romania	
11	Executive Agency for Higher Education, Research, Development and	UEFISCDI	Romania	
	Innovation Funding	OLITISCHI	Nomania	
12	Academic and Research Network of Slovenia	ARNES	Slovenia	
13	University of Maribor Library	UMUKM	Slovenia	
14	Institute of Physics Belgrade	IPB	Serbia	
15	University of Belgrade	UOB	Serbia	_
16	Albanian Academic Network - Interinstitutional ICT Research Centre	RASH	Albania	
17	University of Banja Luka	UNI BL	Bosnia-Herzegovina	
18	Ss. Cyril and Methodius University in Skopje	UKIM	Northern Macedonia	
19	University of Montenegro, Faculty of Electrical Engineering	UOM	Montenegro	
20	Research and Educational Networking Association of Moldova	RENAM	Republic of Moldova	
21	Institute for Informatics and Automation of the Academy of Sciences of	IIAP	Armenia	
	Armenia			
22	Georgian Research and Educational Networking Association	GRENA	Georgia	













































Mission





Support

the development and inclusion of the national Open Science Cloud initiatives in 15 Member States and Associated Countries in the overall scheme of EOSC governance



Spread the EOSC and FAIR principles in the community and train it



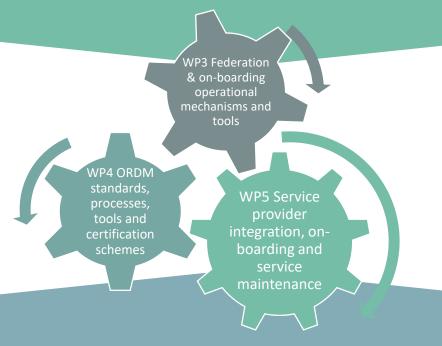
Provide technical and policy support in on-boarding of the existing and future service providers into EOSC

Project structure



WP1 Management

WP2 EOSC national initiatives and policy support



WP6 User engagement, training and demonstrators

WP7 Communication, marketing, sustainability and innovation

WP2 EOSC national initiatives and policy support



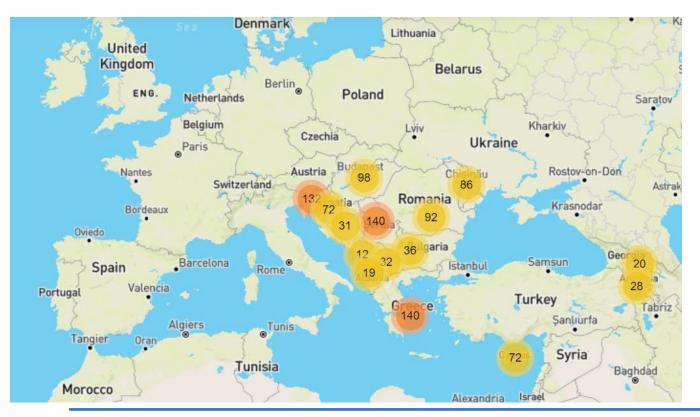
Support the development and inclusion of the National Open Science Cloud Initiatives in 15 Member States and Associated Countries in the overall scheme of EOSC governance



Open Science survey: Capturing the state of OS in the region (WP2)



- Compilation of extensive list of stakeholders and organizations from SEE
- Survey in 15 NI4OS-Europe partner countries
- □ >1000 stakeholders approached, 575 responses received

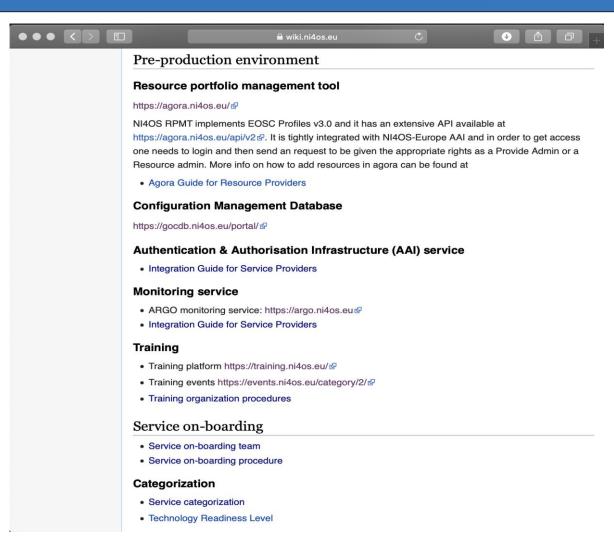


- Visualization of results: https://ni4os.eu/survey-results/
- Creation of stakeholder map for SEE: https://ni4os.eu/os-stakeholders-map/

WP3 Federation and on-boarding operational mechanisms and tool



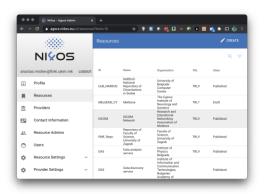
- Pre-production environment: service catalogue management system (AGORA), helpdesk, monitoring, accounting, authentication & authorisation, training portal
- Collection of related policies and procedures on NI4OS-Europe wiki page
- □ To support service providers towards uniform and seamless EOSC integration

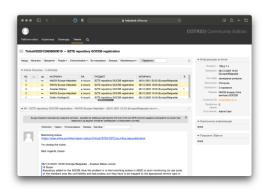


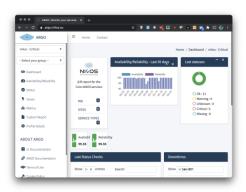
WP4 ORDM standards, processes, tools and certification schemes



- Implementation and adoption of tools, standards and guidelines
- Selection and delivery of tools
- Harmonization and interoperability within and across communities and with core initiatives
- Development and application of certification schemes
- Analysis to improve the uptake of Open Research Data Management and FAIR principles







WP5 Service provider integration, on-boarding and horizontal service maintenance



- Support non-commercial services (generic, thematic, repository) to be accessed through the EOSC portal
- Provision of technical support to service providers for interoperability and integration into EOSC
- Securing and implementing interoperability between national services and EOSC
- □ Implementation of processes and practices for optimal use of the resources
- Currently 41 resources are registered at service catalogue management system AGORA
- □ Georgia: 1 generic, 1 thematic and 1 repository services



On-boarded generic services (WP5)

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







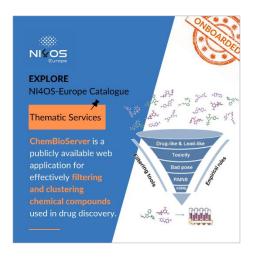


On-boarded thematic services (WP5)

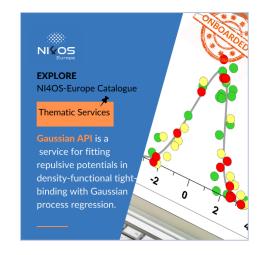
- ☐ 14 thematic services registered within the AGORA catalogue
- ☐ 6 thematic services are fully on-boarded













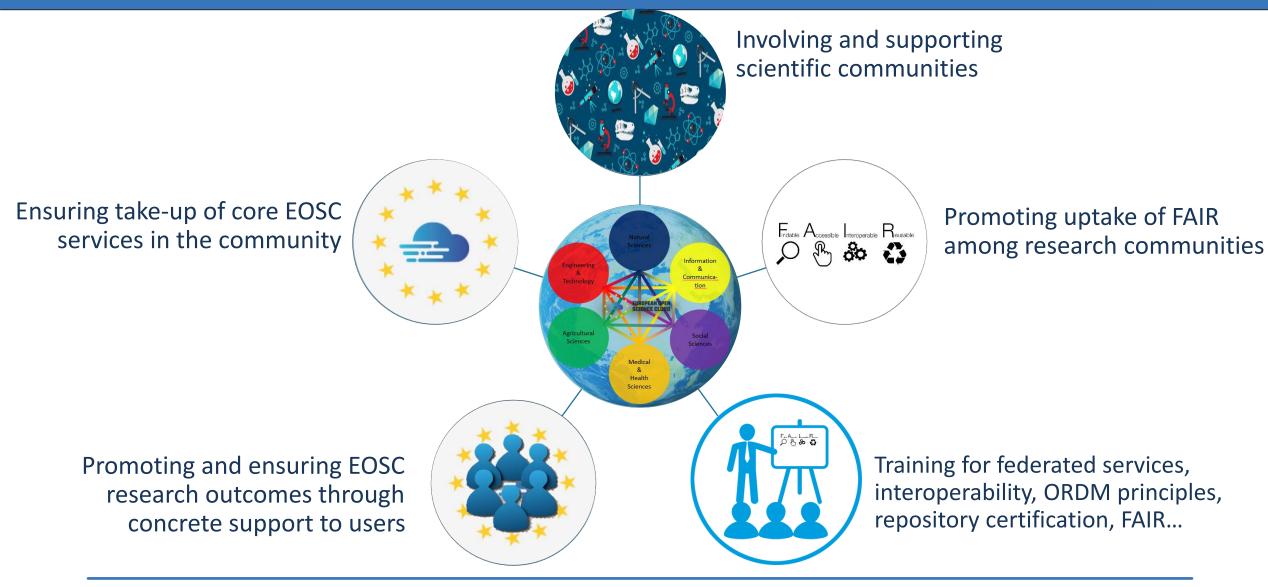
On-boarded repositories (WP5)

- ☐ Types of content/data (publications, literature, data, digitisations, etc.)
- Enhance discoverability (indexed by registries)
- Contribute to OpenAIRE/EOSC research graph
- Certification
- ☐ 7 repositories registered within the AGORA catalogue
- 2 repositories are fully on-boarded



WP6 User engagement, training and demonstrators





Support to EOSC service & FAIR uptake in communities (WP6)



- NI4OS-Europe training platform has been populated with training materials: https://training.ni4os.eu/
- □ Training and dissemination material for FAIR and EOSC service uptake is available in all different mother languages of the NI4OS-Europe area
- Webinars for disseminating EOSC and FAIR principles in each country
- ☐ Georgia: 2 training events





WP7 Communication, marketing, sustainability, innovation



Communication platform

Website: https://ni4os.eu/

Calendar: https://ni4os.eu/calendar

Agenda tool: http://events.ni4os.eu/

Social media: NI4OS eu NI4OS oni4os.eu

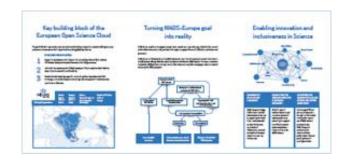




COVID-19 webpage: fast track access to services, tools and software for the scientific communities that perform extensive research to tackle COVID-19 https://ni4os.eu/ni4os-europe-vs-covid19

Promotional material

Brochure, posters, presentation, roll up banners, web banners



Dissemination events

Sustainability and innovation

Find solutions for sustainable and long-term impact of project results

Manage knowledge and results so as to create added value for different stakeholders



NI4OS-Europe in numbers





- 15 OSC initiatives
- 20 generic services
- 20 thematic services
- □ 15 repositories
- □ 30 national-level trainings (450 persons targeted)
- 5 train-the-trainer events
- 30 national dissemination events (600 persons targeted)
- □ 1 regional event (200 persons targeted)
- → 4 flagship scientific fields (Life Science, Climate Science, Digital Cultural Heritage, Computational Physics)

Thank you!



