

NI4OS-Europe project and EOSC activities of GRENA

Ramaz Kvatadze
Georgian Research and Educational
Networking Association GRENA
<https://www.grena.ge/>
ramaz@grena.ge

- National Initiatives for Open Science in Europe (NI4OS-Europe)
- About GRENA
- EOSC activities of GRENA

The logo for EOSC (European Open Science Cloud) features a stylized 'e' in a circle, composed of two overlapping loops in teal and pink, followed by the lowercase letters 'eosc' in a black sans-serif font.

2 - 4 November 2022

Tripartite Event | Georgia

- 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





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



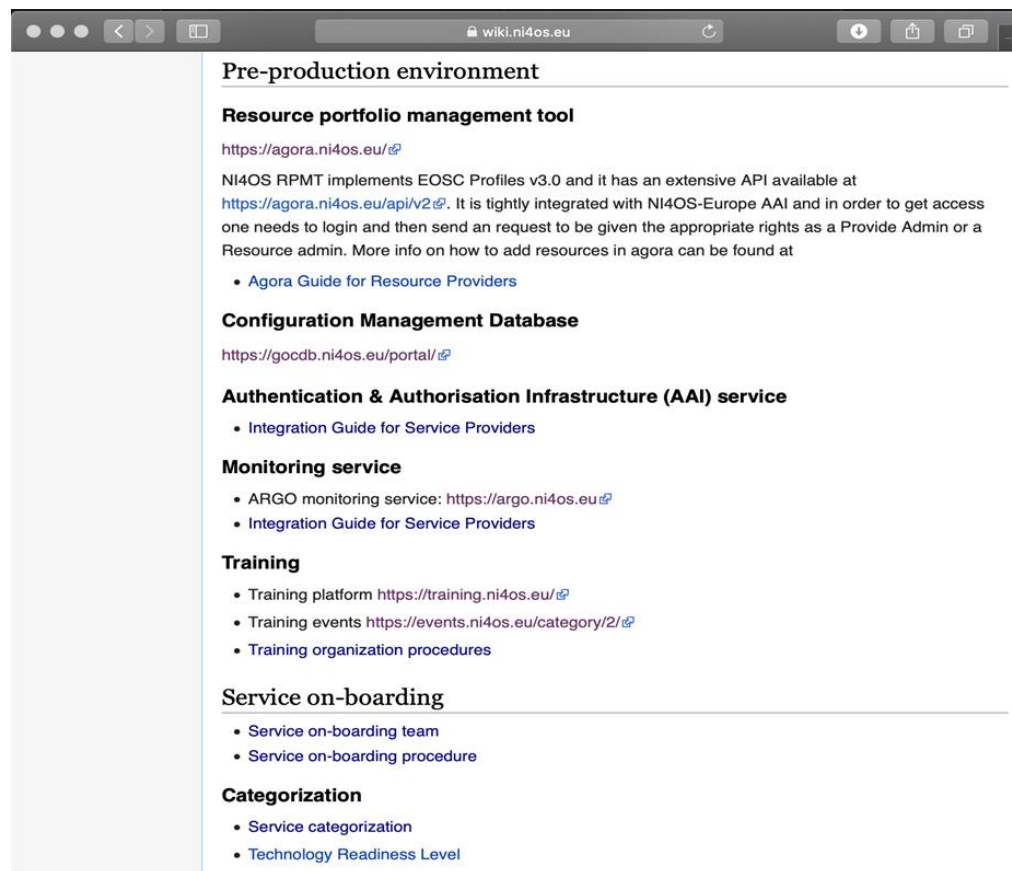
Provide **technical and policy support** in on-boarding of the existing and future service providers into EOSC

Support the **National Open Science Cloud Initiatives** in 15 South East Europe countries

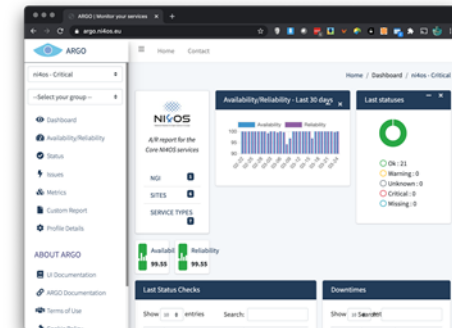
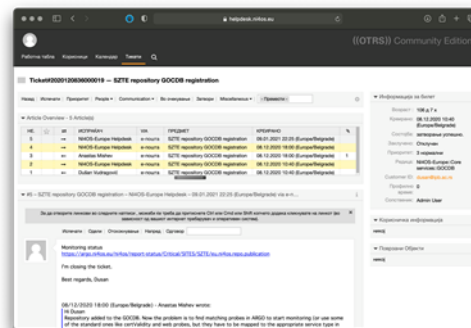
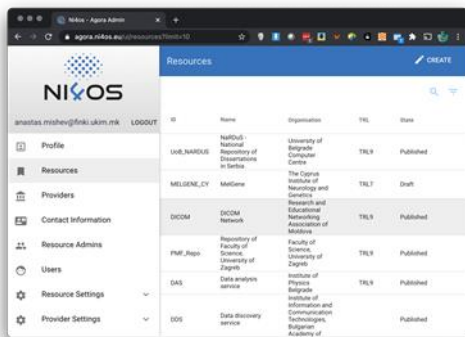
- Organization dissemination events and workshops
- >1000 stakeholders approached, 575 responses on survey received
<https://ni4os.eu/os-stakeholders-map/>
- 10 NOSCI established, 9 MoUs signed
- EOSC Association membership: 5 Mandated Organizations, 5 Members, 3 Observers
- Participation in EOSC Task forces: 25
- Presentation at EOSC events and conferences



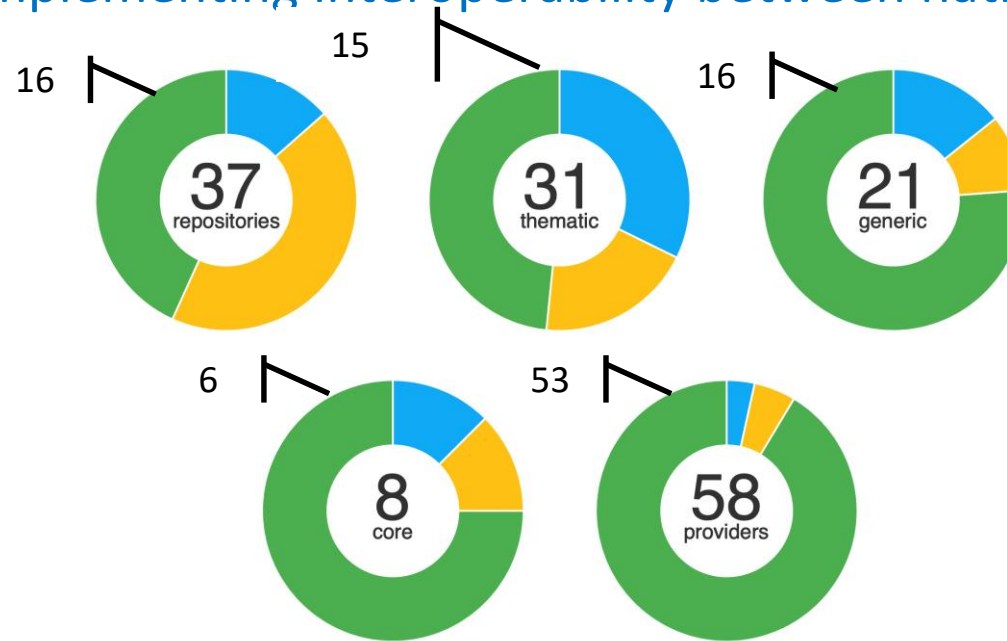
- Pre-production environment:
service catalogue management
system, helpdesk, Software
repository, authentication &
authorization, monitoring,
accounting, Wiki, training portal,
event system
- Development of policies and
integration procedures

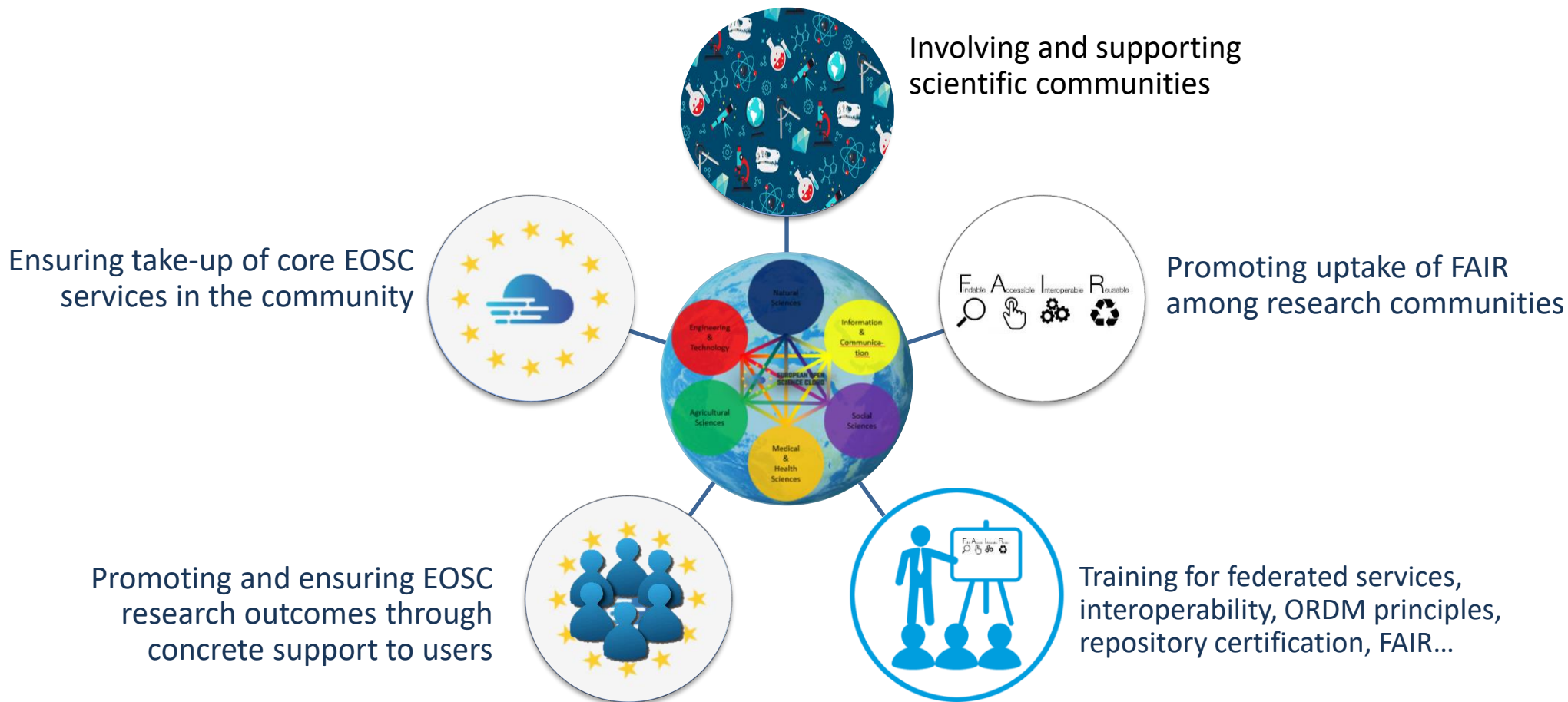


- Implementation and adoption of tools, standards and guidelines
- Harmonization and interoperability within and across communities and with core initiatives
- Development and application of certification schemes
- Analysis to improve the uptake of Open Research Data Management and FAIR principles



- 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





Communication platform

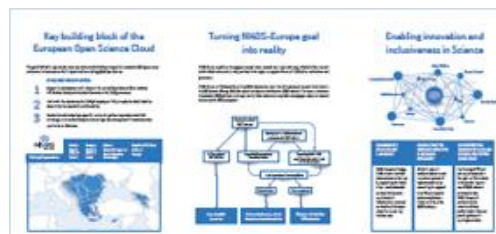
Website: <https://ni4os.eu/>
 Calendar: <https://ni4os.eu/calendar>
 Agenda tool: <http://events.ni4os.eu/>
 Social media:  [NI4OS_eu](https://twitter.com/NI4OS_eu)  NI4OS  ni4os.eu



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



GRENA main fields of activities

- Providing Information Technology services to users and implementation of new, innovative services
- Preparation and implementation of international and national research and technology projects (GN4-3, EaPConnect, NI4OS-Europe, MENVIPRO, CyberEDU)
- IT education (Cisco Networking Academy, Linux Professional Institute, Oracle and SQL courses, e-Learning center, Pearson VUE certification)
- Promoting and supporting IT development in Georgia

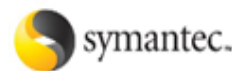


Main services

- GÉANT and internet connectivity
- VPN – Virtual Private Network
- Network traffic monitoring and analyses
- eduroam – education roaming
- eduGAIN – authentication and authorization
- Cloud, Virtualization
- Cybersecurity
- Country top-level domain registration .ge and .გე
- Software licences and subscriptions

Microsoft

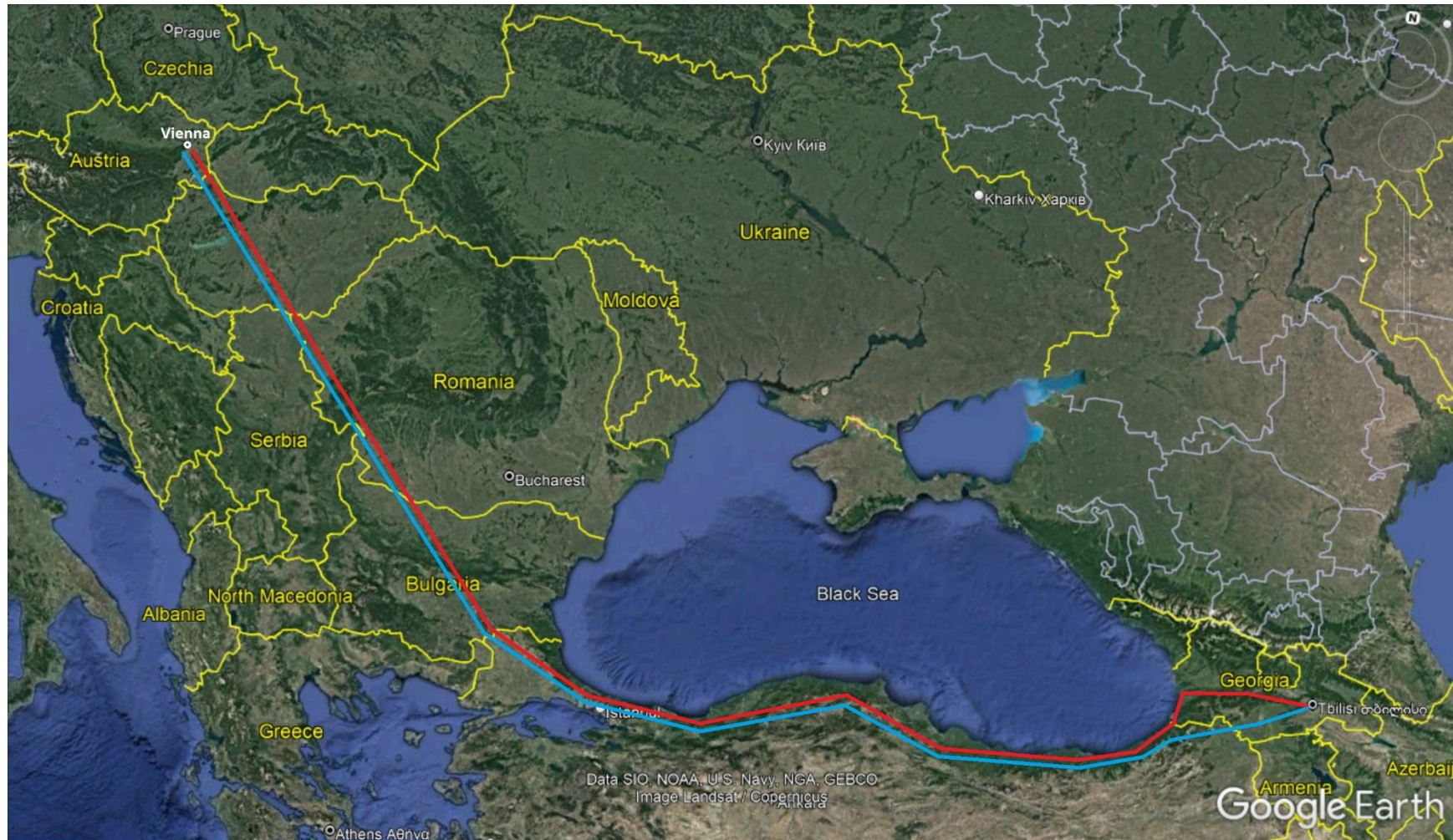
SOPHOS



 **digicert**


Bitdefender

GRENA international connectivity



Cloud and virtualization services

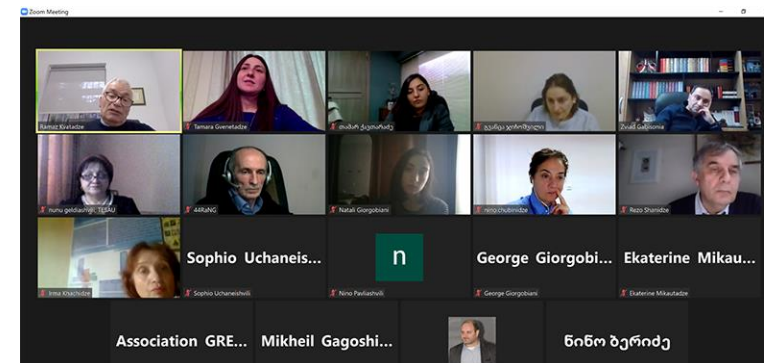
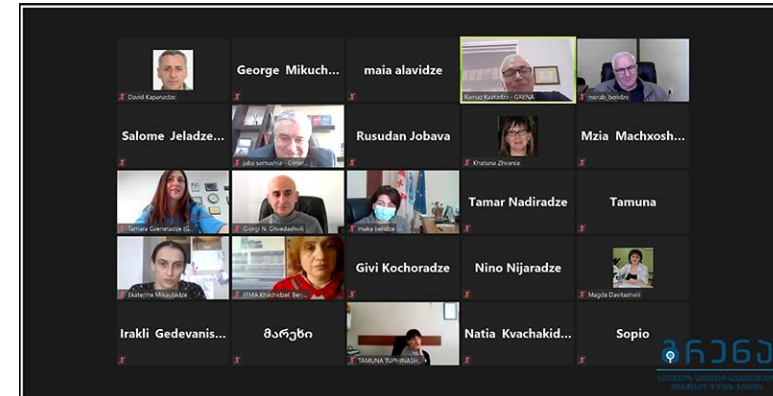
Number of facilities	CPU core	RAM TB	Storage/Backup TB
2	750	13.0	85/760

- Users: research applications, universities, libraries, hospitals, media, government, NGO, etc.
- Research applications in weather forecast, climate change study, biomedicine, particle physics, mathematics, etc.
- Number of users – 80
- Cloud (OpenStack) and Virtualization (ProxMox)
- Remote backup datacenter at NewTelco – 40 Gbps connection capacity to main datacenter

- Dissemination events
- Trainings
- Support of different type of stakeholders to provide response on survey
- Working with universities and research teams concerning EOSC development
- In November 2021 MoU on European Open Science Cloud EOSC Initiative in Georgia was signed, currently 16 organizations

Participation

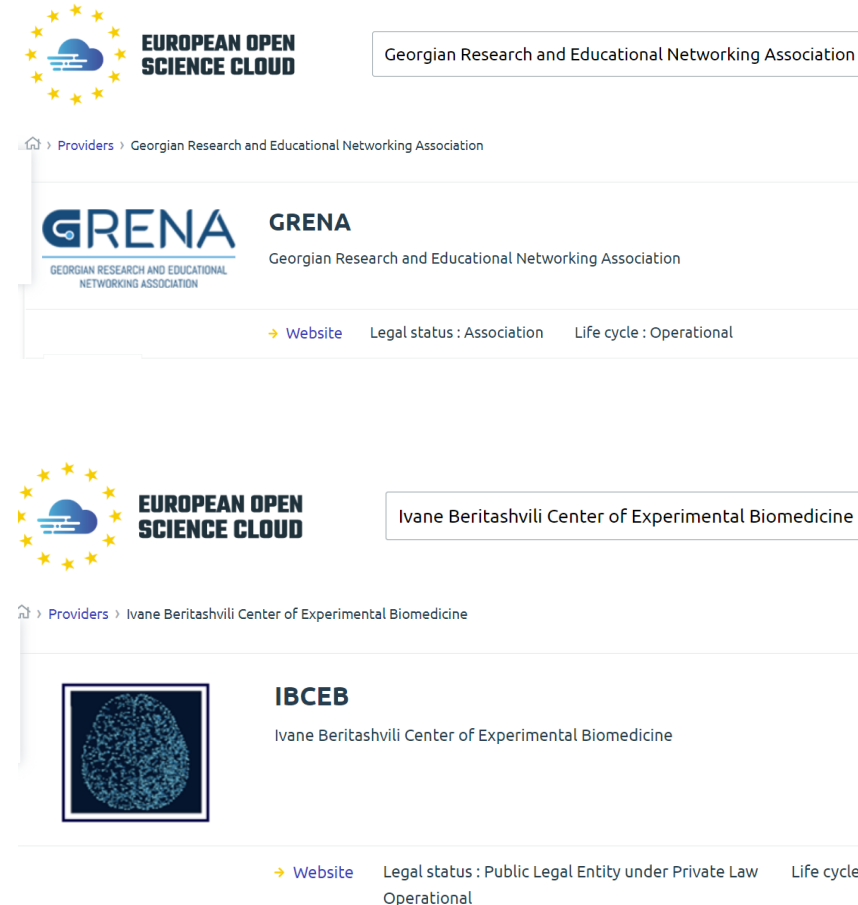
- EOSC Task Force on Financial Sustainability
- EOSC development working group in Georgia
- Horizon Europe National Program Committee



Integrated in EOSC Marketplace resources

- GRENA – GCloud IaaS platform with wide range of applications
<https://www.gcloud.ge/>
- Center of Experimental Biomedicine – Electroencephalography pattern study
<https://eeghub.ge/>
- National Science Library – repository of publications <https://openscience.ge/>
registered in OpenAIRE

GRENA is providing GCloud resources to the EU research community according to the NI4OS-Europe open call



The screenshot displays the EOSC Marketplace interface. At the top, the 'EUROPEAN OPEN SCIENCE CLOUD' logo is visible. Below it, a search bar contains the text 'Georgian Research and Educational Networking Association'. The results show two providers:

- GRENA**: Georgian Research and Educational Networking Association. It includes a 'Website' link, 'Legal status : Association', and 'Life cycle : Operational'.
- IBCEB**: Ivane Beritashvili Center of Experimental Biomedicine. It includes a 'Website' link, 'Legal status : Public Legal Entity under Private Law', and 'Life cycle : Operational'.

Thank you for attention
ramaz@grena.ge

Questions?

