

OS & EOSC – Achievements and Future Insights

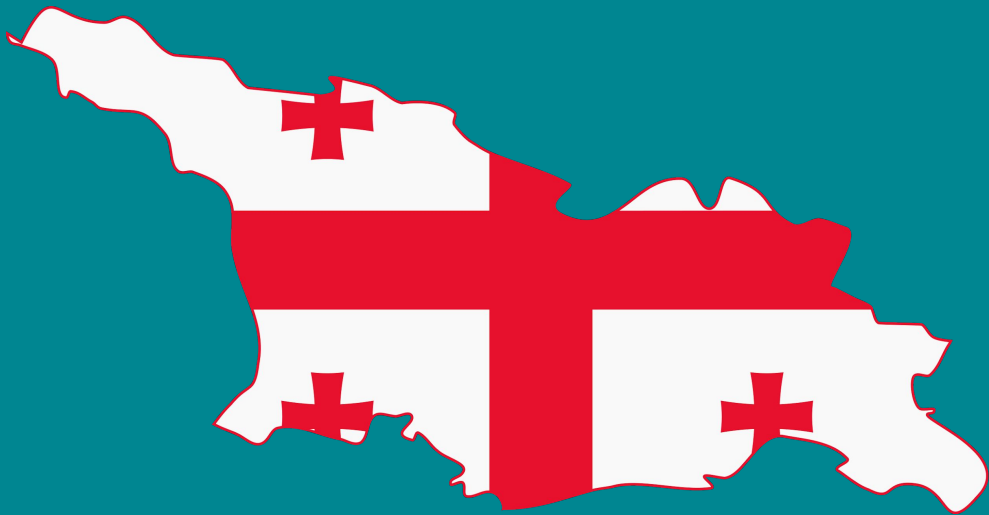
Experience of Georgia

Dr. Marina Razmadze

Deputy Director, TECHINFORMI

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Georgia's cooperation with the EU Research and Innovation



- ✓ Since 2004 was included in the European Neighborhood Policy (together with Armenia and Azerbaijan);
- ✓ Since 2014 Georgia is the member of the Eastern Partnership (EaP);
- ✓ Since 2016 was associated to Horizon 2020;
- ✓ In 2018, the Policy Support Facility (PSF) provided specific support to Georgia in three focus areas:
 - *Support in identification of promising research fields;*
 - *Measures for narrowing the gap between research and industry/business;*
 - *Proposal for the performance-based funding of research entities.*
- ✓ Since 2021 fully associated member of Horizon Europe;

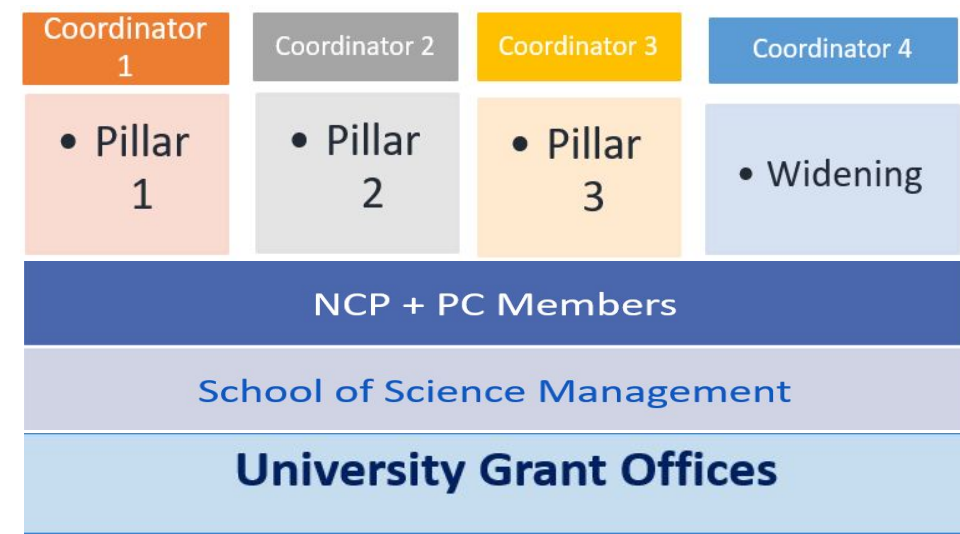
Horizon Europe National Office in Georgia

GOAL

Strengthening the integration of Georgia in the EU Research and Innovation Framework Programme through increased participation of Georgian stakeholders in European consortia and EU projects.

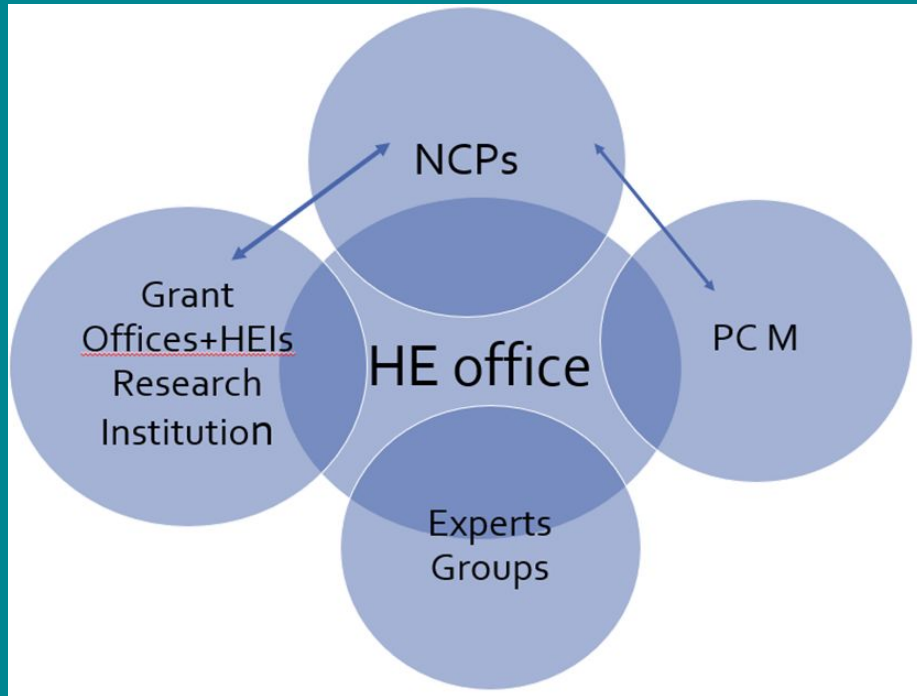


National Structure



National Structure

Communication flow



TARGET AUDIENCE

47 Higher Education Institution and Research

Institutions (under the HEU);

14 University Grant Offices;

20 Universities where there are no Grant Offices;

13 LSE Research Institutions/National Centers and etc.,
Ministries (Partnership scheme)

Open Science and EO SC represents the key elements across the Horizon Europe Program in the context of achieving the global challenges of the world and Georgia is striving to contribute to the process of implementation and development of EU missions and improve the quality, efficiency and responsiveness of research.

Open Science & EOSC Supported Activities

Since 2021, the Ministry of Education and Science of Georgia implemented relevant activities in order to accelerate the integration of the scientific ecosystem of Georgia with European structures and the development of the OS and European Open Science Cloud (EOSC) national strategy.



MINISTRY OF
EDUCATION
AND SCIENCE
OF GEORGIA

2 out of **7** seven guiding principles and values of the 2022-2030 Unified National Strategy of Education and Science of Georgia are directly connected to the ambition of the European Open Science Cloud (EOSC) – **“provide a federated and open multi-disciplinary environment”**

- The principles of open communication, transparency, cooperation, and partnership are encouraged in education and training, as well as research and innovation systems. These principles are applied in cooperation with stakeholders and, in general, for the further development of society and economy.
- Open learning environments and research and innovation ecosystems allow individuals to learn, teach, train, develop, and thereby contribute to achieving common goals.

Open Science & EOSC Supported Activities



2021 additional program was added to the “National Science Research Program”

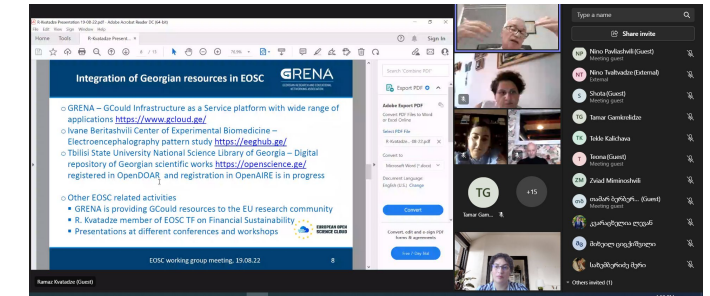
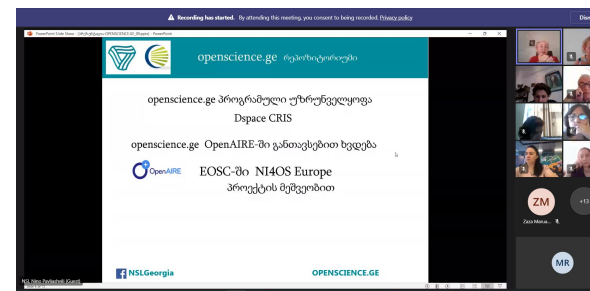
The aim of the program is to:

- ✓ Increase the scientific productivity of the independent scientific research units integrated in the higher educational institutions, and of the LEPL scientific and research institutions, which are part of the Ministry of Education and Science;
- ✓ Creating the single information database including the projects implemented within the framework of grants financed by local or international donors in the last 20 years, published publications and existing research infrastructures;
- ✓ ensuring the openness of this base.

The commitment of Georgia to the European Research Area Forum for the **Action no. 1 - Enable the open sharing of knowledge and the re-use of research outputs, including through the development of the European Open Science Cloud (EOSC)** submitted in July of 2022 further underlines the importance of the EOSC for the country.

Recent Activities

- **AUGUST** – **EOSC National Working Group named EOSC Ambassadors** has been established which today curates the process of development of **Open Science Strategy** and national research infrastructures compatible with the European Open Science Cloud (currently involved more than 15 members);
- **OCTOBER** - in the frame of the EU Twinning Project “**Supporting inter-sectoral collaboration possibilities between Research and Industry**” training regarding the development of the **OS national policy** (advancing Open Science in Georgia).



- **NOVEMBER** – **National Tripartite Meeting - Open Science Forum!**



2 - 4 November 2022
Tripartite Event | Georgia

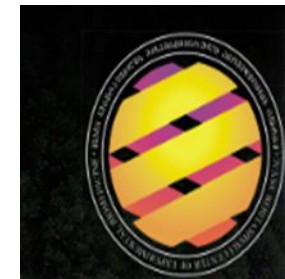




Involvements of National Organizations in OS & EOSC



NATIONAL SCIENCE
LIBRARY



ივანე ბერიტაშვილის ექსპერიმენტული
ბიომედიცინის ცენტრი

IVANE BERITASHVILI CENTER OF EXPERIMENTAL
BIOMEDICINE

Georgian Research and Educational Networking Association

GRENA

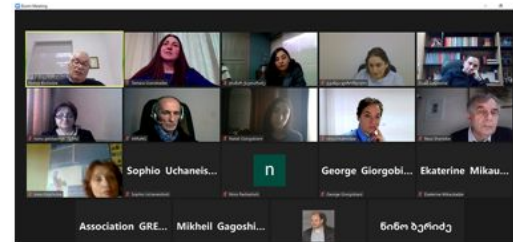
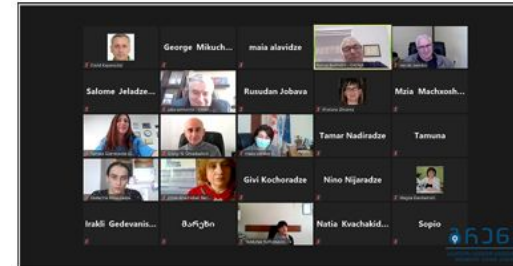
GEORGIAN RESEARCH AND EDUCATIONAL
NETWORKING ASSOCIATION

<https://www.grena.ge/eng/internet>

- ✓ Dissemination events;
- ✓ Trainings;
- ✓ Support of different type of stakeholders to provide response on NI4OS- EUROPE survey;
- ✓ November 2021 MoU on EOSC initiatives in Georgia was signed by 16 organizations;
- ✓ Participation in EOSC Task Force on Financial Sustainability more than one year.

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**



Beritashvili Center of Experimental Biomedicine



EUROPEAN OPEN SCIENCE CLOUD

Ivane Beritashvili Center of Experimental Biomedicine

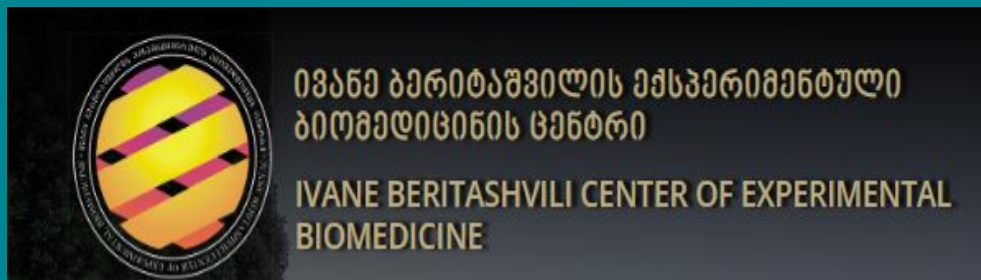
Providers > Ivane Beritashvili Center of Experimental Biomedicine

 **IBCEB**
Ivane Beritashvili Center of Experimental Biomedicine

[Website](#) Legal status : Public Legal Entity under Private Law Life cycle : Operational

"EU Project NI4OS is funded by the European Commission's Horizon 2020 program. The first online EEG (Brain Electrical Activity) database "EEGHUB.GE" in Georgia has been funded and selected as a thematic service. EEG data of patients with different neurological, psychiatric and other types of dysfunction is uploaded to the EOSC.

Project coordinator: Ivane Beritashvili Center of Experimental Biomedicine.



National Science Library



NATIONAL SCIENCE LIBRARY

<http://www.sciencelib.ge>

OPENSOURCE.GE REPOSITORY IN



The screenshot shows the EOSC repository interface. At the top, the 'EUROPEAN OPEN SCIENCE CLOUD' logo is visible. Below it, the 'Georgian Research and Educational Networking Association' is listed as a provider. The main content area features two entries:

- GRENA**: Georgian Research and Educational Networking Association. Includes a 'Website' link, 'Legal status: Association', and 'Life cycle: Operational'.
- Digital Repository of Georgian Scientific Works**: GILISC. National repository of scientific works. Organisation: National Science Library at Tbilisi State University. Includes a 'Website' link, 'Helpdesk', 'Helpdesk e-mail', and 'Manual' links. A 'Fully Open Access' badge is present.

Our path to the EOSC

OPENDOAR and **euro CRIS** (The International Organisation for Research Information) are shown as part of the path to EOSC.

OpenAIRE (Catalogue of Open Access Infrastructure for Research in Europe) and **NIXOS** (National Initiatives for Open Science in Europe) are shown as part of the path to EOSC.

Institute for Scientific and Technical Information-TECHINFORMI



<https://www.techinformi.ge/ge/>

AGRIS

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Tbilisi, Georgia

Georgian Research Institute for Scientific Technical Information (TECHINFORMI)

TECHINFORMI is Georgia's central institute for scientific and technical information. Its activity covers the collection and analysis of information concerning R&D and innovations in Georgia, customer services in all branches of market research, organisation of scientific and business events, print & electronic publishing and translating scientific, technical and official documents.

Resource(s)

Library Catalog

Related Activities

AGRIS Country Hub in Georgia to participate in EOSC National Tripartite Event
BLOG - 01.11.2022

Online training about AGRIS and the role of TECHINFORMI
BLOG - 07.10.2022

Online workshop on AGRIS and the visibility of agricultural scientific data of Georgia in the global information space
BLOG - 26.05.2022

Type
Research

AGRIS ID
GEO

Website
<https://techinformi.ge/>

Status
Active

Open Data Set
This data provider participates in the AGRIS Open Data Set (ODS)

PUBLICATIONS

AGRIS, სოფლის მეურნეობის მკვლევარების და ინოვაციების საერთაშორისო სისტემა (Georgian)

@ Sign up

To receive newsletters about AGRIS and FAO Knowledge Management activities

NEWSLETTER



27.10.2022

Now available -- report of the 2022 AGRIS Virtual Annual Conference!

Partnerships: Focus on the AGRIS Network and Country Hubs

Those who missed the conference, as well as those who participated in it, can now read the report and watch the recordings of all three sessions of the 2022 AGRIS Virtual Annual Conference.

In the report you can learn how the conference reviewed the developments and achievements of the past year, explained the composition of the AGRIS Network, including the process of becoming a member (a data provider) and the different benefits of becoming one, and then focused on AGRIS Country Hubs, elaborating their tasks and responsibilities.

You can also learn what two invited panelists, **Marina Razmadze** and **Viorica Lupu** from the AGRIS Country Hubs in Georgia and the Republic of Moldova, respectively, had to say about their institutions' experience of being country hubs.



AGRIS Country HUB

14 million publications in free access up to **90 different languages**

More than **500** institutions

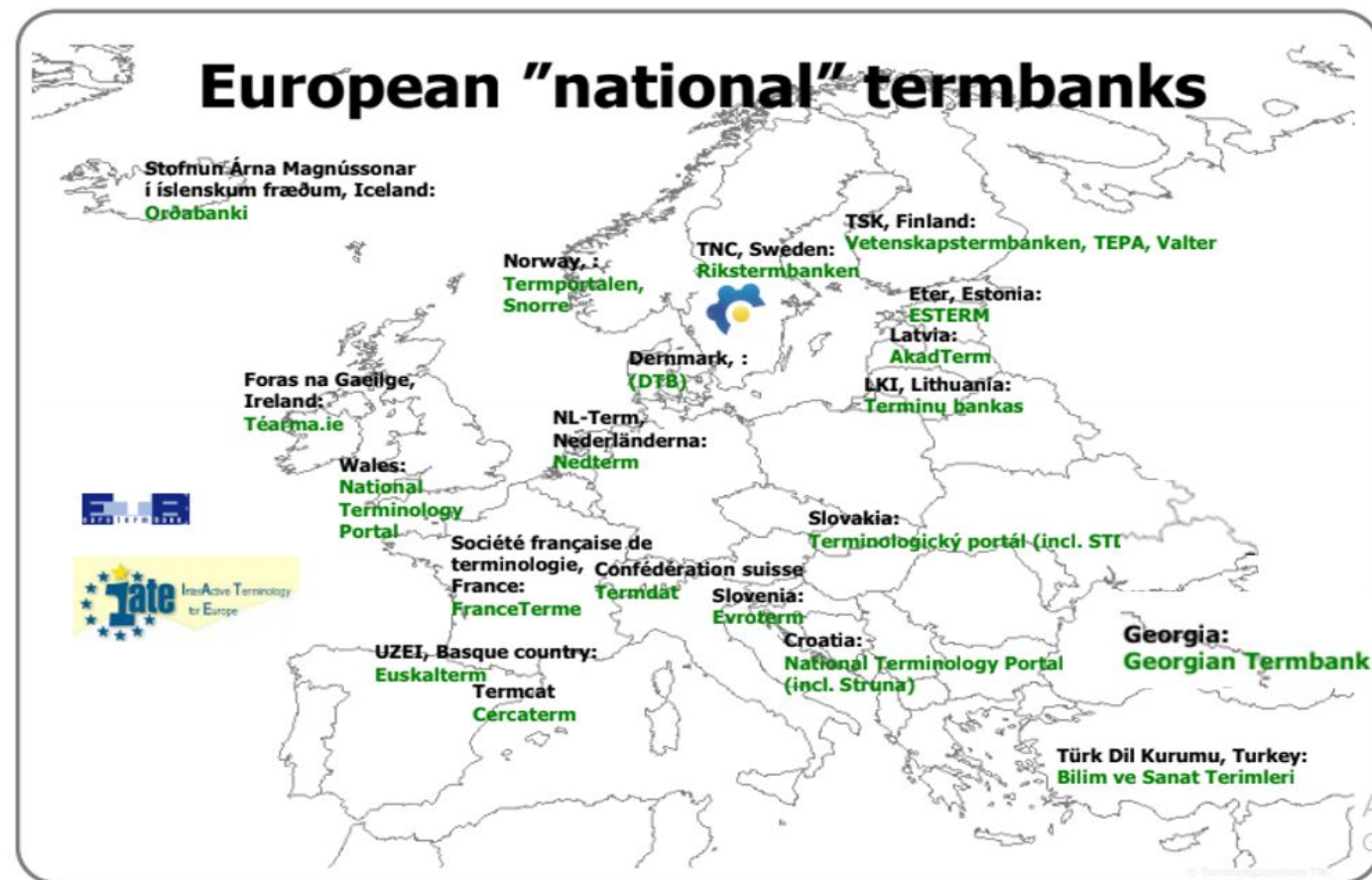
150 countries



GEORGIAN TERMINOLOGY ASSOCIATION



<http://www.ice.ge/new/>



https://www.termcat.cat/en/recursos/productes-multimedia/terminology-europe-map?fbclid=IwAR1lIQfxpd6yRByr6FPULhaq3i41hpi0R_H_OK_FpQi2kZztL6Q6tNzA970

Current Engagement

The Interest Group on Agricultural Data (IGAD) promotes good practices in the research domain, including data sharing policies, data management plans, and data interoperability. It is the forum for sharing experiences and providing visibility to research and work in agricultural data.

<https://eoscfuture-grants.eu/node/270>

INFRAEOSC-03-2020 - Project ID 101017536

FAO Grant

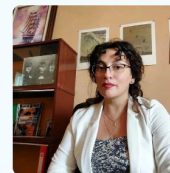
“Consolidating the AGRIS National Hub in Georgia to increase awareness about Open Science in Agriculture and train researchers and practitioners in new trends on agricultural research”

- **10** awareness capacity building events and **2** roundtables in OS in AGRICULTURE



RDA Open Call

TECHINFORMI joined the **European Open Science Cloud (EOSC) Future project**, focused on CoP and coordinated through the Research Data Alliance (RDA) – *“Expanding the IGAD CoP and EOSC in South Caucasus Region – Georgia, Armenia and Azerbaijan”*



Expanding the IGAD CoP in South Caucasus Region – Georgia, Armenia and Azerbaijan

What:

Expanding the Improving Global Agricultural Data Community of Practice (IGAD CoP) in South Caucasus Region – Georgia, Armenia and Azerbaijan. Institute TECHINFORM will organize an online event together with the IGAD co-chairs to present RDA, its vision and mission, how to get involved, and IGAD and how to benefit from a CoP that currently includes more than 150 organizations worldwide.

Who:

Marina Razmadze, Deputy Director and Researcher at the Central Institute for Scientific and Technical Information – TECHINFORMI

Scientific Domain:

Computer Science

Country:

Georgia

Results from the Tripartite Event



2-3 November of 2022 - National Tripartite Event in Georgia

Total number of registered participants: **180**

2nd November

Welcome speech from Georgia (Ministry of Education and Science of Georgia) **2**

Welcome speech from the EOOSC Association and EU **3**

Total number of attendees **81** and **86** online

Total number of speakers from Georgia **5**

Total number of speakers from EOOSC and EC **2**

3rd November Roundtable

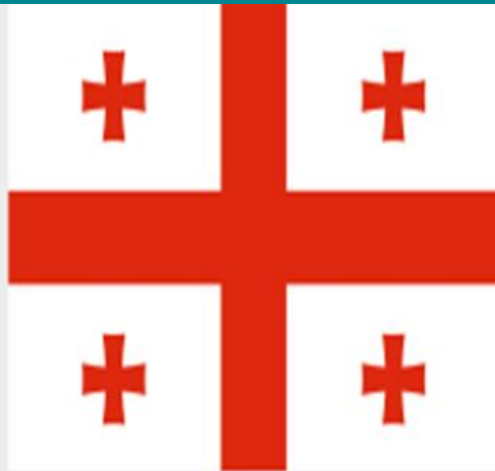
Total number of attendees **55**

Total number of online participants **60**

Total number of roundtable panelists from Georgia **8**

Total number of speakers from EOOSC **5 Trainers**

The EOOSC logo, consisting of a stylized 'e' and 'o' in teal and pink, followed by the letters 'EOOSC' in a bold, black, sans-serif font.



2 - 4 November 2022

Tripartite Event | Georgia

Results from the Tripartite Event



The event was organized and fully supported by the Ministry of Education and Science and the National EOOSC Initiative Team (EOOSC Ambassadors) which was established in August of 2022.

- Deputy Minister of Education and Science of Georgia Mrs. Nunu Mitskevich introduced the goals of the event, and once again highlight the fully support and enhancing the importance of the dialogue between key different stakeholders at the national level. As well the chair of the Education and Science Committee highlighted the importance of aligning Georgia with the ongoing developments of Open Science at the European level.

Contributors:

**Karel Luyben (EOOSC)
Pantelis Tziveloglou (EU)**

Results from the Tripartite Event

- **Sara Garavelli, Board Member of the EOSC Association**, participated in a round table aimed at discussing the future of the EOSC National Association of Georgia and sharing insights and experiences, including an overview of the EOSC Finnish Forum as an example of national coordination structures in the EOSC ecosystem that inspired other countries in the region.

Trainers: Helen Clare, Joy Davidson, Emma Lazzeri, Matthew Viljoen, Raul Palma, and several INFRAEOSC projects, contributes to the event and shared significant topics in context of future activities related to the EOSC.



*Two days event was attended by more than **180 participants**: representatives from the **research performing organizations, funding national foundation, researchers, ministries, private and state universities and other stakeholders.***

“EOSC will be succeed if and only if it follows a multi-stakeholder approach” .. Pantelis Tziveloglou (EC)

PRESENT PLANS

CHALLENGES

VISION AND FUTURE STEPS

DECEMBER – National Forum on Open Science

- ✓ Open Science Development **Strategy** – will be reevaluated and updated (in progress);
- ✓ Build a strong **Network** of the **National EOSC Ambassadors** (enhance the existed team with new members);
- ✓ Development of single **Platform** of existed national **RI's** (in progress) & evaluate the national capacity in this regard.
- ✓ **Awareness** rising on **Open Science, EOSC and FAIR** Principles – conduct trainings among researchers and potential contributors to the EOSC;
- ✓ Enhance **openscience.ge** repository capacity;

- ✓ In 2023 develop a single National Platform – **GEOSC** and establish the national **EOSC Association**;
- ✓ Become a mandated member of the EOSC.

Thank you for your
attention!



Děkuji vám za
pozornost!

Dr. Marina Razmadze

mrazmadze@rustaveli.org.ge