



GEORGIAN RESEARCH AND EDUCATIONAL
NETWORKING ASSOCIATION

Main Activities

Irakli Gedevanishvili

**Georgian Research and Educational Networking
Association GRENA**

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

irakli@grena.ge

About GRENA

Georgian Research and Educational Networking Association GRENA was founded in 1999

- Georgian National Academy of Sciences
- Tbilisi State University
- Georgian Technical University
- Ilia State University
- Tbilisi State Medical University
- Agricultural University of Georgia
- Open Society Georgia Foundation



01.04.2019, Viterbo, Italy

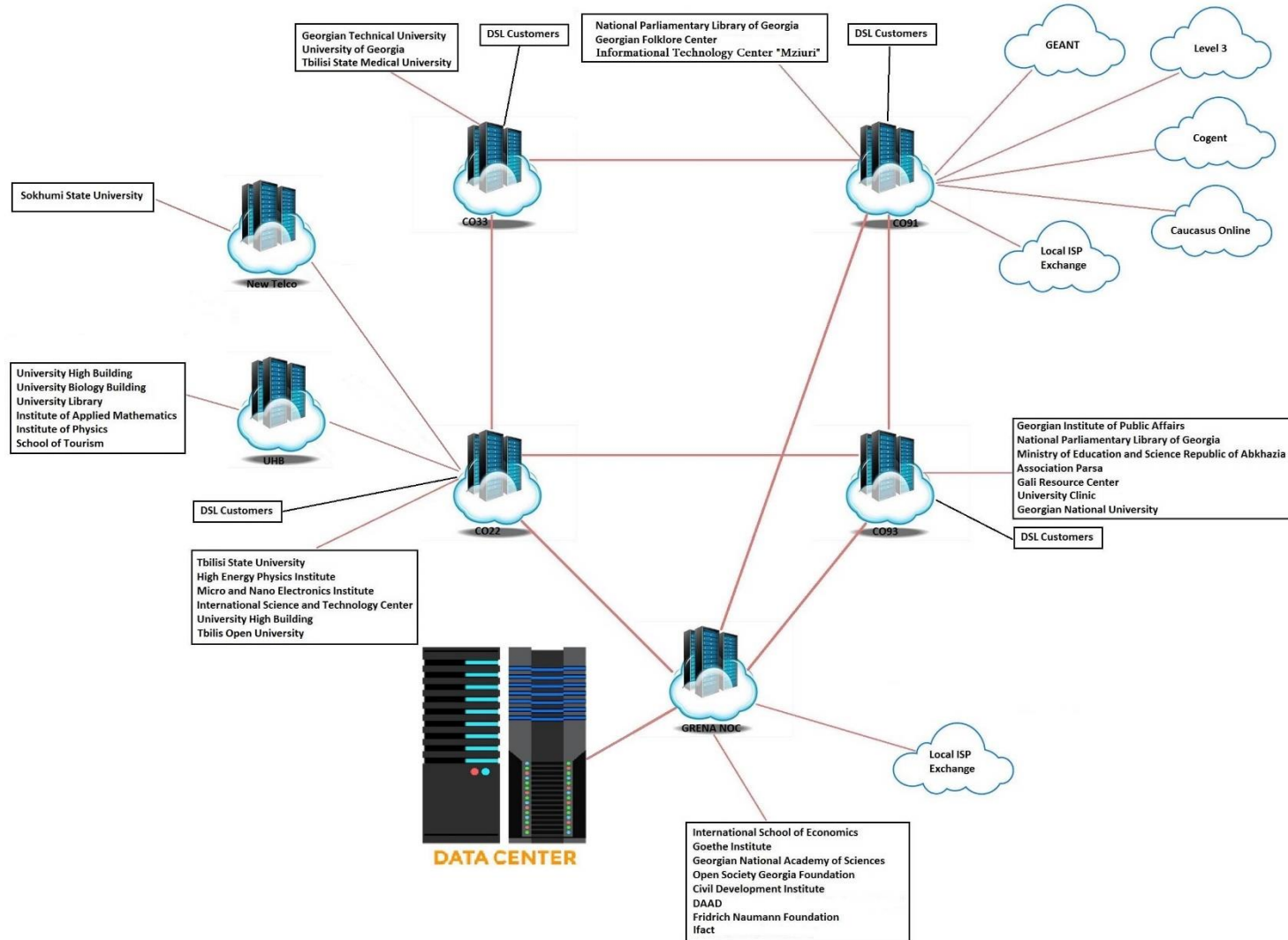
GRENA activities

- Providing Information Technology services to users and implementation of new, innovative services
- Preparation and implementation of research and technology international and local projects
- IT education

Network services

- Internet connectivity (Level 3, Cogent, Caucasus Online backup)
- European research and education GÉANT connectivity
- eduroam education roaming
- eduGAIN authentication and authorization
- Computer Emergency Response Team – CERT-GE (member of Trusted Introducer TI)
- ge. and .გე country top-level domain registration
- Software licenses and subscriptions

GRENA network in Tbilisi 47 organizations connected



01.04.2019, Viterbo, Italy

Cloud and VM resources

Status	Number of facilities	CPU core	RAM TB	Storage TB	Digital Certificates
Current	2	328	3.4	245	CA
07.2019	2	444	7.0	745	CA

- [GE-01-GRENA](#) Grid site was established and included in European Grid Infrastructure since 2009
- Certification Authority CA together with Tbilisi State University
- Applications in weather forecast, climate modeling, DNA mutation, plasma physics, etc.
- Virtual Machines VM – 112 organizations

Current projects



EU: GN4-3 Research and Education Networking – GÉANT (39 partners)

- reliable operation and further development of GÉANT network
- research in development of new and upgrade of existing services (e. g. Cloud, Cyber-security, Software Defined Networks, etc.)



EU: EaPConnect (8 partners)

- development of e-Infrastructure and services
- foster exchange of information between R&E communities in Eastern Partnership countries and Europe

Current projects



EU ERASMUS+: Modernization of Environment Protection Studies Programmes for Armenia and Georgia - MENVIPRO (11 partners)

- significantly improve the quality of MSc. studies in the field of environment protection in Armenia and Georgia based on the analysis of the technology-intensive best practice obtained in Europe



SRNSF: Study of some climate characteristic parameters variability over the territory of Georgia based on regional climate prediction modeling ensemble system (2 partners)

01.04.2019, Viterbo, Italy

Current projects



EU: National Initiatives for Open Science in Europe - NI4OS-Europe (22 partners)

- provide technical and policy support in integration of the existing and future service providers into EOSC, including generic services (compute, data storage, data management), thematic services, repositories and data sets

Education program

- Cisco Networking Academy
- Linux Professional Institute Academic Partner
- Juniper Networks Academic Alliance Member
- Oracle and SQL courses
- e-Learning center based on Moodle, Math-Bridge and cyber exercises portal
- Partner of Pearson VUE for student's certification



Thank you for attention!

irakli@grena.ge



Questions?

01.04.2019, Viterbo, Italy