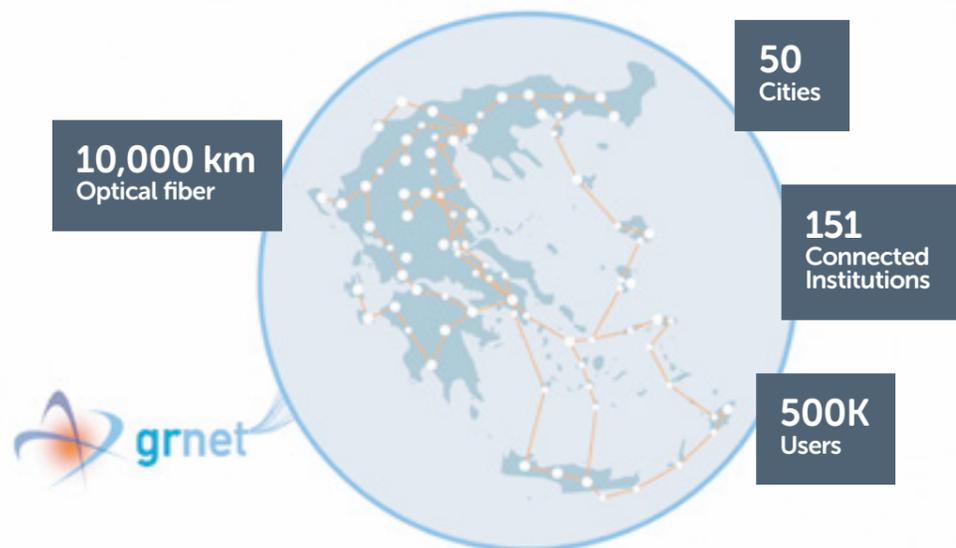




GREEK RESEARCH AND TECHNOLOGY NETWORK

ADVANCED INFRASTRUCTURES AND SERVICES FOR EDUCATION, RESEARCH, CULTURE AND HEALTH ORGANISATIONS



Networking Research, Education, Health and Culture

GRNET, the Greek Research and Technology Network, established in 1998, is the national provider of high-quality e-Infrastructures, network services, Internet connectivity, cloud computing and digital application services to the national Education and Research community.

GRNET daily supports more than **500,000** demanding users: students, academics, researchers, managers and administrators. It interconnects Education, Research, Health and Culture organizations, in total **151 institutions**, over **50 cities**: Academic Institutions/ Universities, Research centers, **31 Public hospitals**, the Pan-Hellenic School Network, Museums, Libraries and other Cultural Institutions.

GRNET infrastructure and services include:

- A nation-wide 10,000km fiber optic network
- 6 large-scale Data Centers. GRNET has adopted innovative green technologies for its infrastructure, implementing an innovative green Data Center at Louros, using river water for cooling.
- A high-performance computing system HPC-ARIS, integrated in PRACE, the pan-European supercomputing infrastructure, provides state-of-the-art supercomputing capabilities for large-scale scientific applications.

The GRNET user community benefits from advanced connectivity services, specialised compute, storage and scientific data processing facilities and offerings. GRNET operates its large-scale infrastructures, incorporating authentication & authorisation mechanisms for secure processing, storage and data retrieval.

GRNET has pioneered in designing and developing ~okeanos, an innovative open-source cloud solution. It is also an early adopter of network infrastructure and service delivery automation and software-controlled management practices. GRNET has been transforming its operations and service delivery capabilities to meet on-demand and self-service provisioning at scale. It is coordinating the upgrade of all campus networks nationally. Currently, it is deploying a new, dedicated ultra-high capacity network and compute infrastructure overlay to serve national Research Infrastructures.

Furthermore, GRNET offers large-scale end-user services in the areas of Education (e.g. "EUDOXUS" for the circulation of academic textbooks, "ATLAS" for matching work placement opportunities between students and employers), Health (e.g. hosting of the "National Blood Donor Registry") as well as the broader Public Sector (e.g. offering the trusted digital elections system "Zeus").

Prof. Panayiotis Tsanakas, President and CEO: "GRNET facilitates the evolution and proliferation of research and technology, by offering opportunities to all its users to develop their academic and scientific activities. Our teams of professionals will continue to develop and collaborate with key partners, through national, European and international partnerships, to adopt and advance state-of-the-art digital technologies with the aim to support continuous growth and excellence for the benefit of the Greek society."

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 #GRNET #GRNETsymposium
 GRNET corporate video:
<http://bit.ly/2DsezHF>

Words
Artemis Psarianou, GRNET

Pictures
Above: GRNET Fiber Optic Footprint
Below: GRNET High Performance Computing System 'ARIS'



GRNET DIGITAL TECHNOLOGY SYMPOSIUM: NEW DIMENSIONS FOR RESEARCH AND EDUCATION



GRNET celebrated the 20th year of continuous provision of ICT infrastructures and services to the Research, Education, Culture and Health sectors in Greece, by organising a two-day Digital Technology Symposium on November 5-6, 2018. Key audiences were invited to attend: academics, scientists, researchers, post-doctoral students, executives, management, IT and NOC professionals, from Universities, Research Centers, Hospitals, partners from public government bodies and key executives from private companies who collaborate and are connected with the GRNET network.

The Symposium's main purpose was to bring the key users, influencers and policy makers, all major key sector community members together, in order to present and discuss topics of mutual interest for all and create the basis for further cooperation in finding solutions to key technological challenges the communities are facing. Modernisation and continuous development are essential for the above sectors and GRNET is a key enabler contributing to growth and prosperity with the use of ICT for these user communities. The GRNET Digital Technology Symposium is an event intended to be organised every 2 years, aspiring to become the focal meeting point, bringing together and connecting digital innovation audiences.

Symposium Highlights:

380 attendees, including the Minister of Education, state officials, representatives of the research and academic community, executives of public organisations and health industry and electronic infrastructure providers were present at the Symposium and participated in 60 presentations delivered by 53 speakers from academic and research institutions across Greece, in 9 thematic areas. The two-day presentations were broadcasted live via the 'GRNET DIAVLOS' livestreaming service, gathering a total of 1585 concurrent views, and the material remains available on demand here: <https://diavlos.grnet.gr/event/e1166>

During the two-day event, a variety of open discussions took place, focusing on the recent developments in digital infrastructures and services, best practices and ideas shared, focusing on covering the needs of students, researchers, academics, public administration officials, and citizens. The modernisation of network infrastructures in 56 academic and research institutions through the national project "Hephaestus" was presented, as well as the development of a new, simplified way of accessing the network, computing and storage resources for all users, using automated, transparent and secure procedures; best use cases for research of the ARIS national supercomputing infrastructure and the corresponding European infrastructures; GRNET also presented the services it offers in support of the National Health Interoperability Framework.



Relevant links:

GRNET Digital Technology Symposium

EN: <https://grnet.gr/en/symposium2018/>
GR: grnet.gr/symposium

DIAVLOS Livestreaming on demand: <https://diavlos.grnet.gr/event/e1166>

#GRNETsymposium

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