

*CYNET*  
*Cyprus Research  
and Academic  
Network*

# Reforming an NREN with the Support of the GÉANT

# CYNET: MAJOR MILESTONES

- ❖ 1995 - Creation of the Entity Cyprus Research and Academic Network (CYNET), in order to provide Network Services to the Academic and Research Community.
- ❖ 2000 - CYNET Founded by decision of the Council of Ministers in May 2000 with the **objective** of providing e-infrastructure and e-services exclusively to the educational and research community.
- ❖ 2013 - Termination of Governmental Funding. The international connectivity through GÉANT has been the main reason for CYNET's existence.
- ❖ 2016 - New Administration. The need for new approaches became vital.

# BUSINESS PLAN

A new Business Plan was needed.

GÉANT provided us with Business Plan templates, success stories and even supported the visit of an expert NREN colleague to help us write our Business Plan.

# INTERNATIONAL CONNECTIVITY

Need of international connectivity that can support current needs of our Members.

- ▶ Tripling the bandwidth of international connections (2+2Gb with London and Frankfurt and 1+1Gb with Athens).
- ▶ Participation in the South East Europe Regional Study Group.

# NATIONAL DARK FIBER NETWORK

CYNET has under development the creation of a national dark fiber network, yet it does not have the expertise.

GÉANT has offered all the required knowledge and is helping us to choose the most suitable model for the development, based on the experience of other NRENs. Attending Services and Technology Forum and meeting other network heads was an opportunity to share knowledge and expertise.

# DIFFERENTIATE FROM OTHER TELECOM PROVIDERS

CYNET was in need to differentiate from other telecom providers and become more attractive.

With the support of GÉANT, CYNET has developed a portfolio of Services for the Academic and Research community.

Already available:

- ▶ Multi-Domain Virtual Private Network (MD-VPN)
- ▶ Federation as a Service (FaaS)
- ▶ Firewall on Demand (FoD)
- ▶ Network Security Handling and Response Process (NSHaRP)
- ▶ CyGrid certificates
- ▶ Upgrading of eduRoam
- ▶ eduGAIN

Under development:

- ▶ Domain Name Servers (DNS)
- ▶ Network Management as a Service (NMaaS)

# CREATION OF AN ECOSYSTEM

One of the most important goals for CYNET, was the creation of an ecosystem connected to the global academic community.

GÉANT organized a series of training events in Cyprus and abroad for our members, and also supported students' participation in TNC.

Participation in GÉANT Framework for IaaS.

# CONCLUSION

*All the major transformations in CYNET, that made it sustainable, could not have been accomplished without the support of GÉANT.*



*THANK YOU...*

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