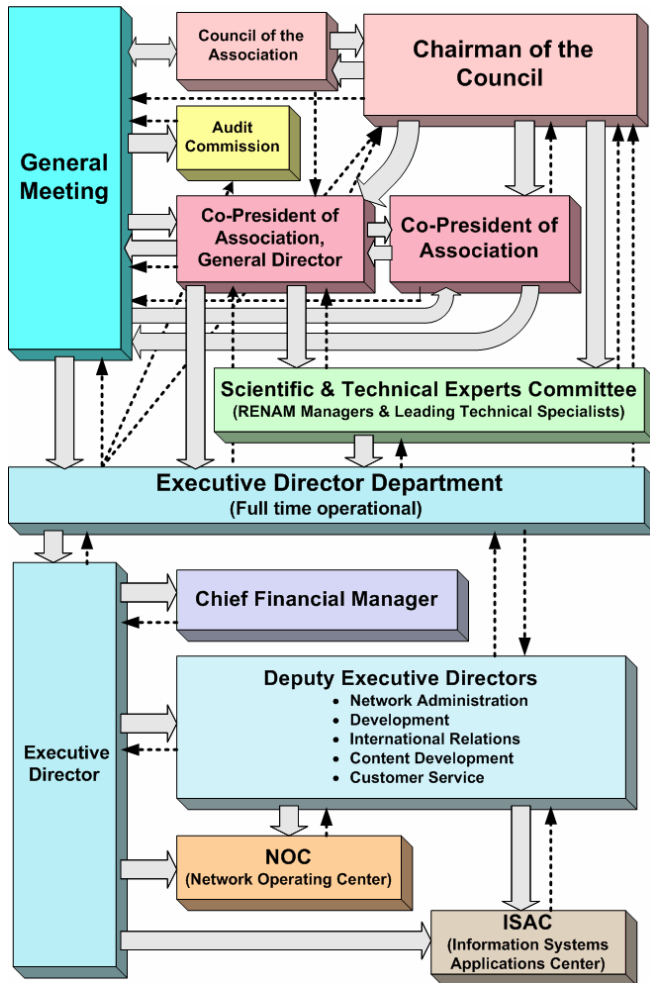## Organization Structure and Status

The communication and data transport infrastructure of RENAM is operated by Network Operations Center (RENAM NOC)

The aim of RENAM's technical complex is to offer to its clients – research centers, universities, education, medical and cultural institutions – technical facilities necessary to perform mutual communications, as well as to access Internet information services and resources.

Research and Educational Networking Association of Moldova Network Operating Center

International publications about RENAM

More information about RENAM can be found on electronic publication "TERENA Compendium 2006. RENAM Basic Information":
http://www.terena.nl/compendium/2006/basicinfo.php?nrenID=30

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RENAM

Research &
Educational
Networking
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of
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www.renam.md

About RENAM

RENAM is National Research and Educational Network of Moldova - a non-governmental, non-commercial and non-for-profit network. Main activity of RENAM is focused on continuous development of communication and information infrastructure of the scientific and educational community of the Republic of Moldova.

Any scientific and educational body from Moldova can adhere to RENAM.

RENAM network activates in close cooperation with different national and external public organizations.

Principal Goal of RENAM network

The main goal of RENAM network consists in continuous development of a modern electronic communication infrastructure capable to connect all research, educational, medical and cultural institutions from Moldova, and to provide them with Internet access services.

RENAM provides a full range of modern IP services, such as HTTP, SMTP, FTP, DNS, webcache (proxy), NTP, and also a number of advanced services based on the new upcoming communication technologies.

Another aim of RENAM consists in continuous and active participation in the work of international computer network organizations. The work of RENAM is supported by the following organizations:
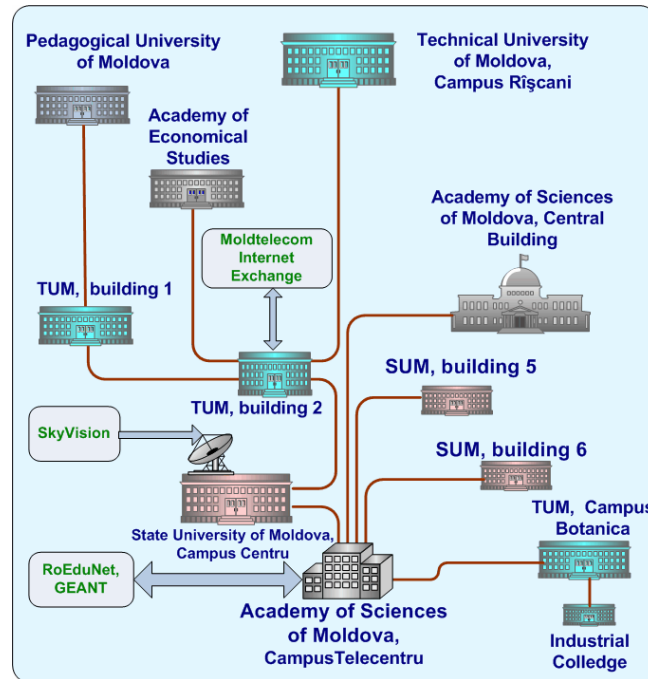- NATO Science Program,
- CEENET, TERENA, SEERN Communities,
- Academy of Sciences of Moldova,
- Council of Rectors of Moldova.

The foundation of RENAM infrastructure is based on the IP Backbone from Chisinau, the Capital City of the country, with the Central communication Node that provides external connections (via interurban channels) to the universities and organizations placed in other localities of Moldova.

RENAM Network Structure

Network structure of RENAM is hierarchical and consists of two main levels:
- Superior MAN level is presented by Municipal Backbone
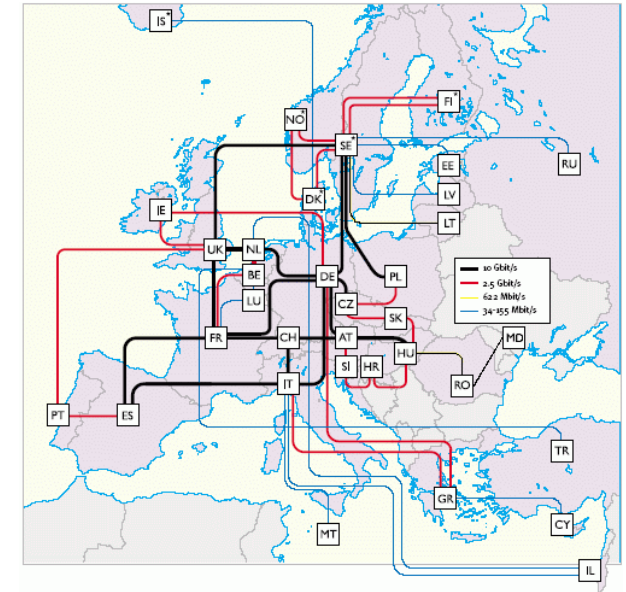- Inferior LAN level is presented by a set of Campus-level Access networks.

The MAN Backbone consists of fiber optics, cooper wired and wireless segments, interconnected through Cisco routers. Campus-level access networks are presented by ensembles of Ethernet LANs owned by institutions connected to Backbone.

RENAM network is provided by a number of fast and reliable external links:
- to GÉANT via RoEduNet,
- to Moldtelecom (via StarNet),
- to Moldotelecom Internet Exchange point.

Main External connections

Gigabit European Academic Network (GÉANT) is a pan-European multi-gigabit data communications network, reserved specifically by European Commission for research and education use. It is creating the biggest interconnected community of scientists and academics in the world.

GÉANT network provides free access to a great number of international technical and scientific databases and publications.

Public Asociation RENAM

The RENAM network is administered by a Public Association having same name – RENAM. The activity of RENAM Association is directed toward RENAM network exploitation and development, collaboration with Association's members, involving of new members, and enlargement of the spectrum of services. RENAM Association has many qualified specialists and scientists from different fields of technologies, including modern electronic communications domain.