CyberSecurity at GRENA
EaPConnect CyberSecurity Workshop II
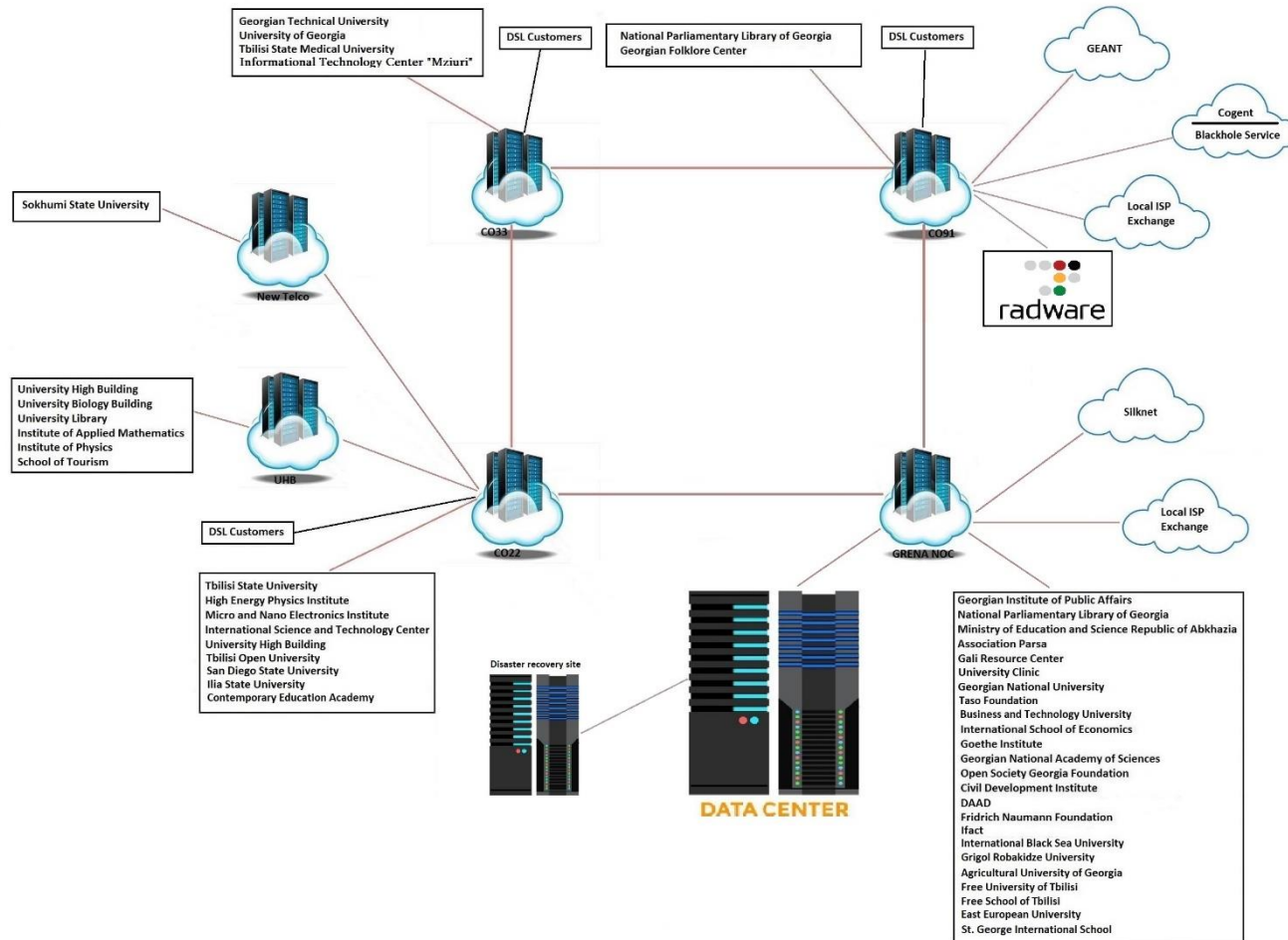
Zurab Bukhnikashvili
https://www.grena.ge/
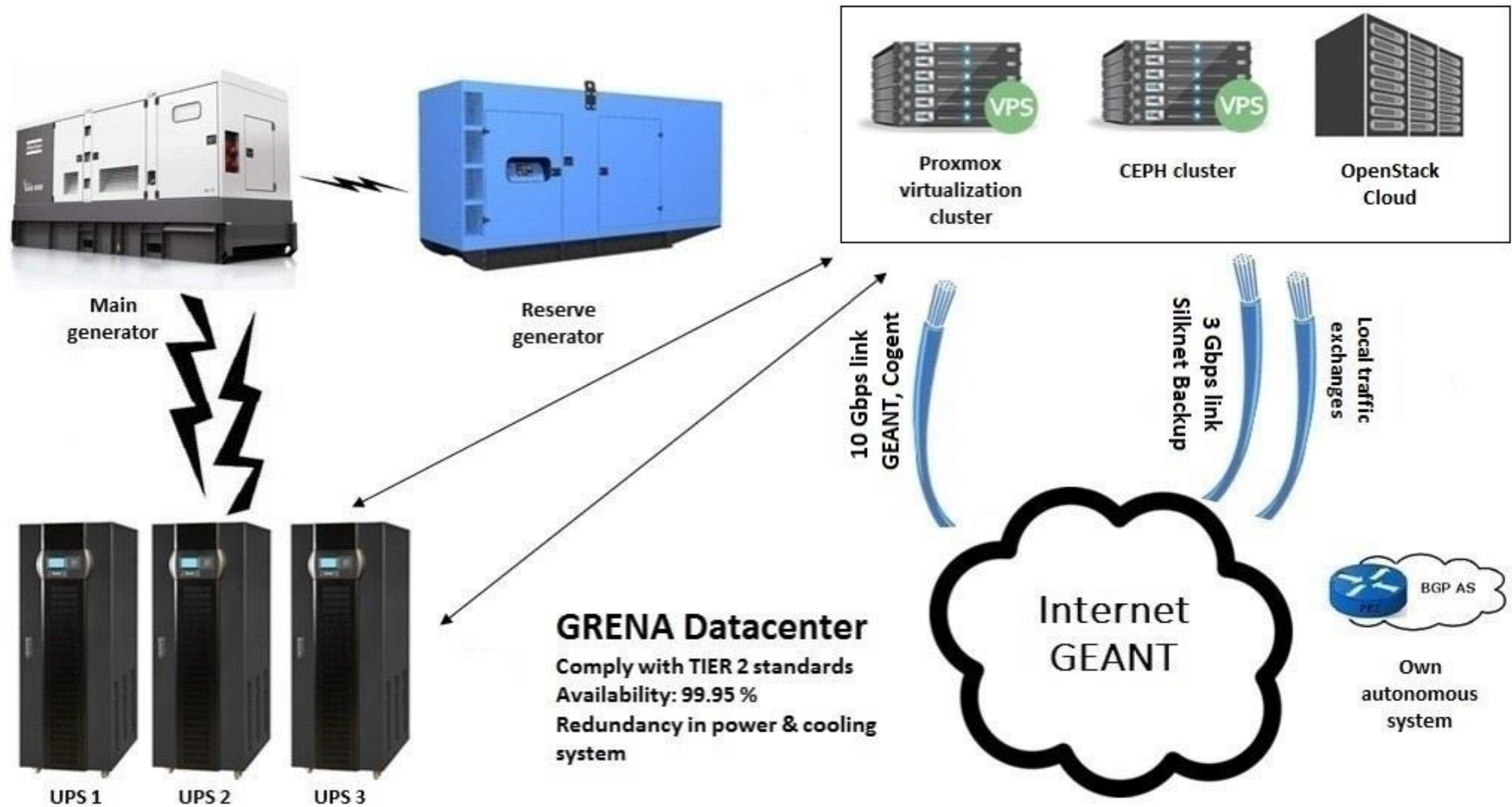zura@grena.ge

Security appliances and services

o BGP Blackhole service from Cogent
o Radware application layer DDoS protection system
o UTM for Datacenter
o Blacklists from Team Cymru
o Network traffic monitoring and analyses
o Computer Emergency Response Team – CERT-GE
o Disaster recovery site
o email security barracuda

Datacenter

Main generator

Reserve generator

Proxmox virtualization cluster

CEPH cluster

OpenStack Cloud

10 Gbps link GEANT, Cogent

3 Gbps link Silknet Backup

Local traffic exchanges

Internet GEANT

BGP AS

Own autonomous system

UPS 1   UPS 2   UPS 3

GRENA Datacenter
Comply with TIER 2 standards
Availability: 99.95 %
Redundancy in power & cooling system

Thank you for your kind attention