

Vienotais Eiropas akadēmiskais tīkls un Porta Optica Study projekts

Rihards Balodis, LU MII

Mērķis : Eiropas vienota pētniecības un izglītības telpa

Divas svarīgas Eiropas Savienības pētniecības politikas pamatnostādnes:

- digitālās plaisas likvidācija jaunajās ES dalībvalstīs;
- zinātne bez robežām.

Galvenais realizācijas instruments- datu pārraides tīkli

Sekas:

Intensīvi jāattīsta pētniecības un izglītības tīkli jaunajās dalībvalstīs.

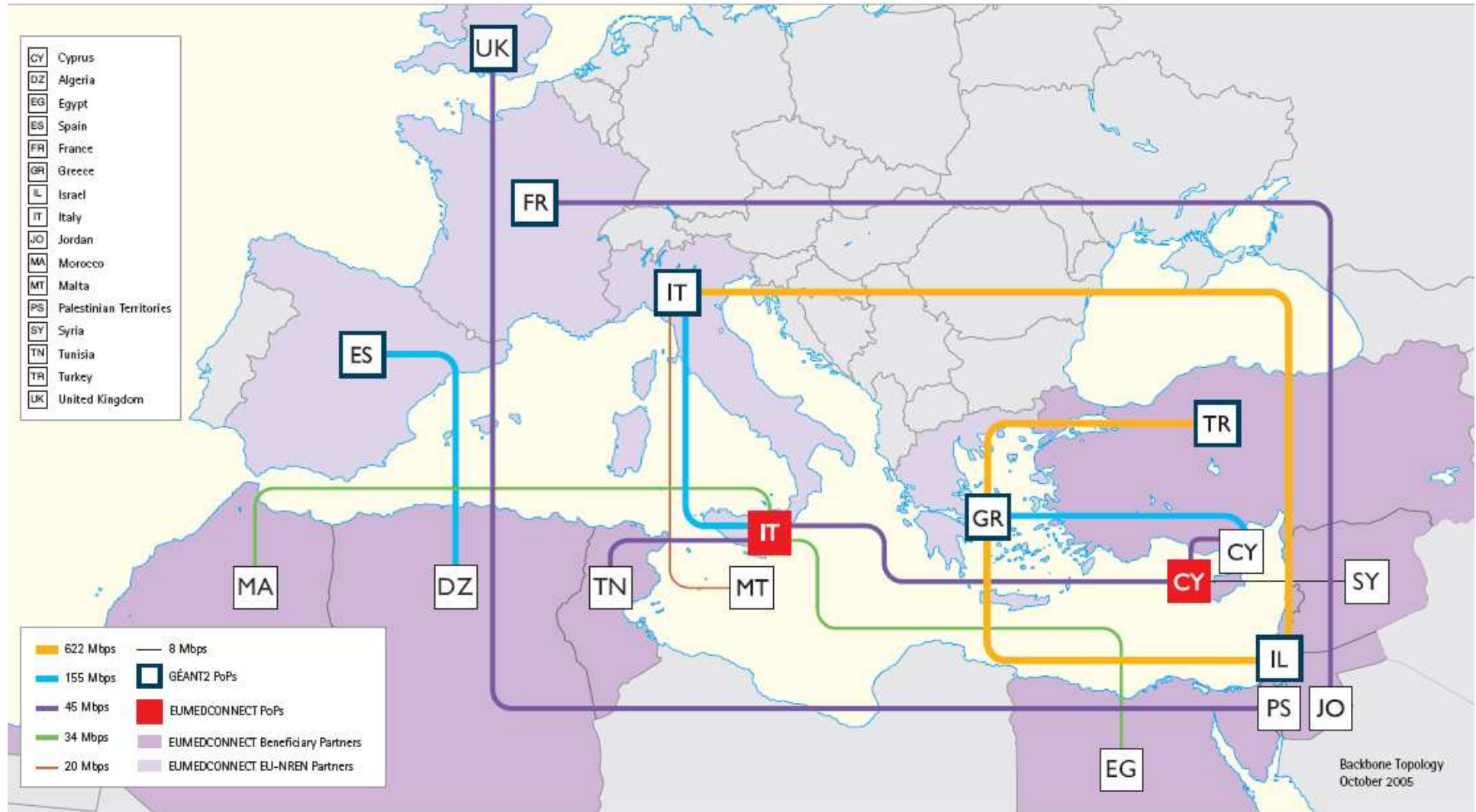
Global Connectivity

Overview



Figure 4.2.3.1.1 Global Connectivity

Linking Mediterranean research and educational communities to Europe





Extending Connectivity for Latin American Research and Education

Linking Latin America to Europe and beyond



The ALICE Project is co-funded by the European Commission within the @LIS programme to fight the Digital Divide throughout Latin America

ALICE has received generous support from Global Crossing



EC-BRIDGE

Deliverable 2.1

Trends Mapping Study

on Research Networks and
Broadband Solutions in China
and in Europe

CERNET, ULB

February 2005

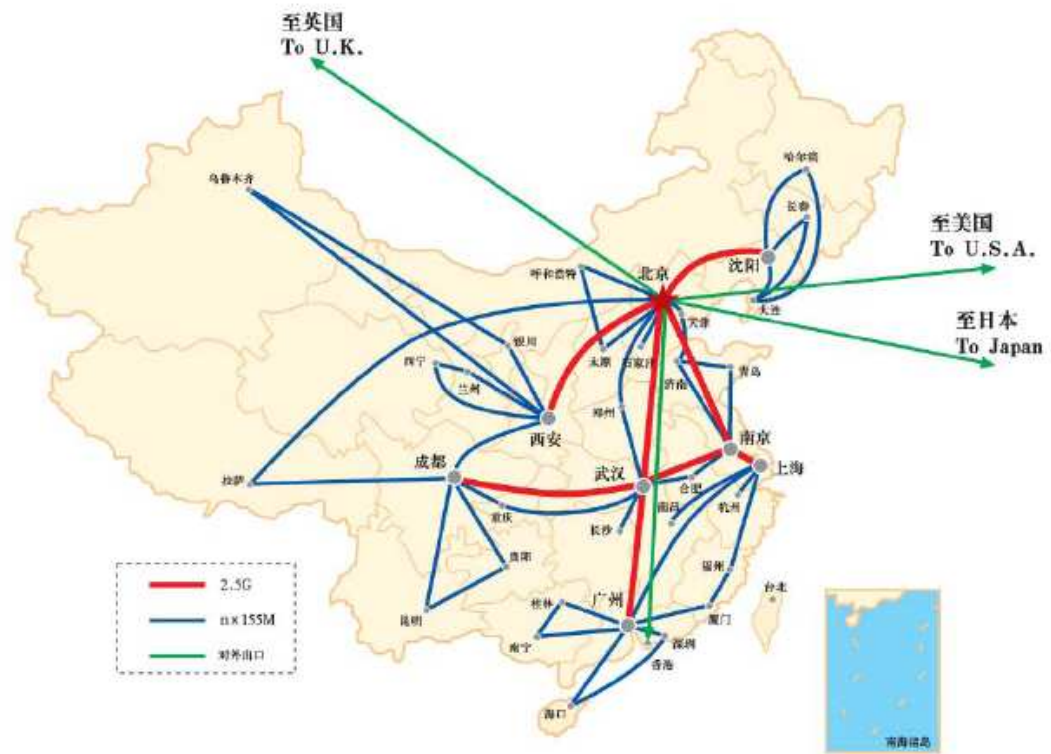


Figure 4.1.4.1.1 CERNET National Backbone Topology

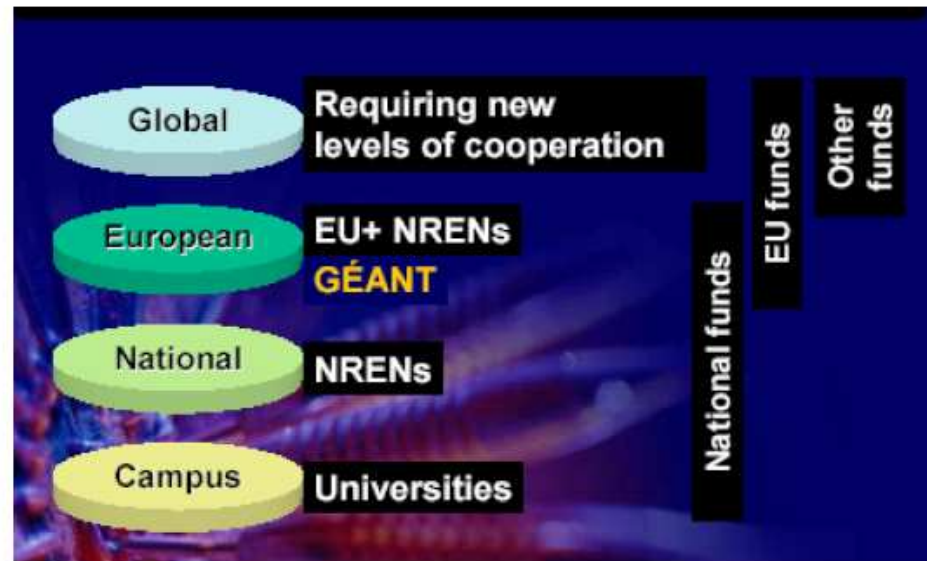


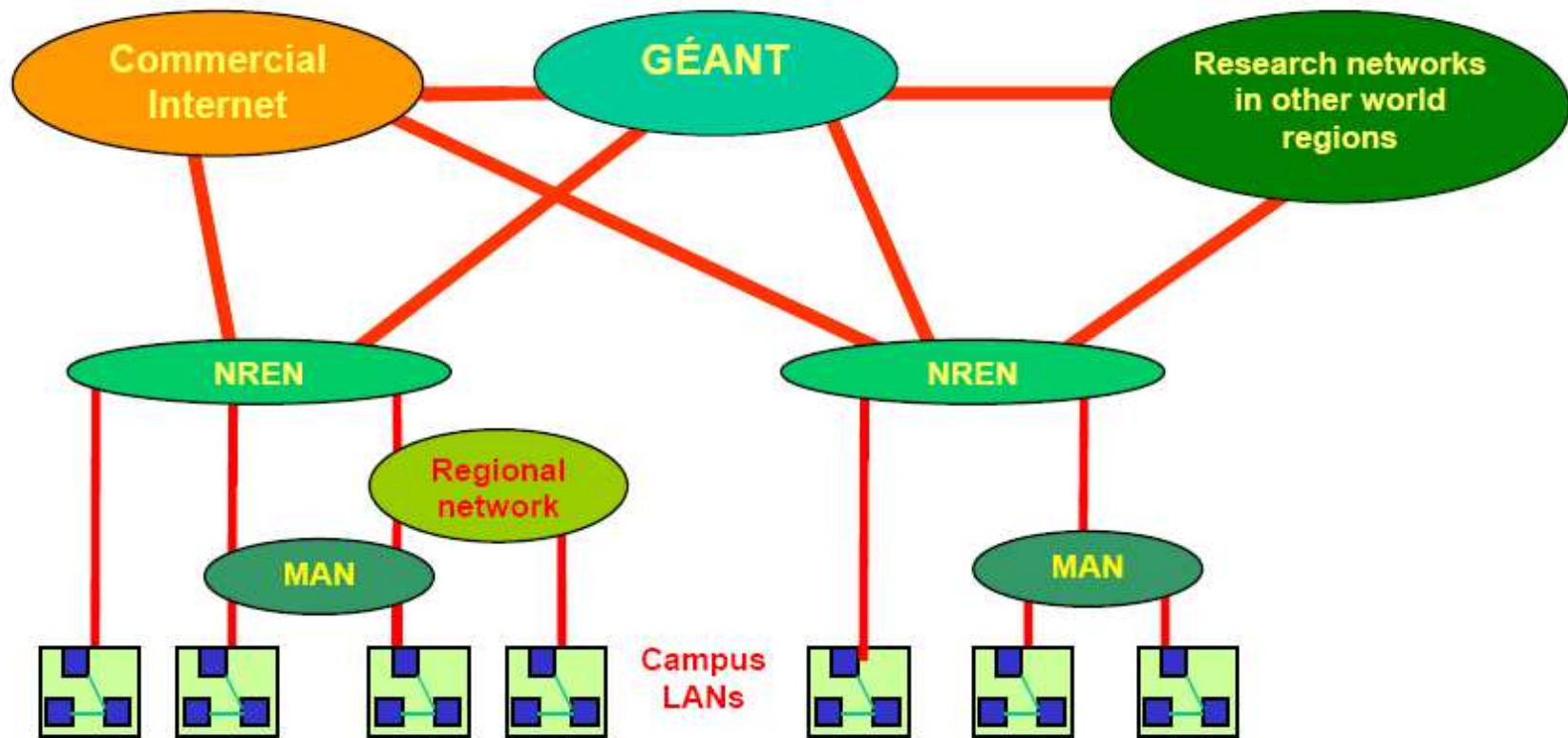
Summary report on the **SERENATE** studies

IST-2001-34925

**Study into European Research and Education Networking As
Targeted by *e*Europe**

SERENATE secinājums: Geant modelis (turpmākie divi zīmējumi)





Otrais SERENATE svarīgs secinājums:
Optiskā dzīsla un optiskā komutācija



South-East Europe Fibre Infrastructure for Research and Education

SEE-FIRE is a special support action co-funded by the FP6 programme of the European Commission. The SEE-FIRE project builds on the results of existing IST projects by producing studies on the options available for network infrastructure and the strategies for the development of research and education networking in South-East Europe.

SEE-FIRE will:

- establish a benchmark of existing and potentially available optical fibre for National Research and Education Networks (NRENs) in the region;
- make an analysis of the technical options available for the deployment of dark fibre and the management of optical transmission by NRENs in the region;
- report on economic aspects and regulations;
- disseminate information and increase awareness about dark-fibre deployment both at technical and policy-making levels.

15/2006], Press release: SEEFIRE Workshop in Bucharest Raised Awareness About Benefits of Fibre

15/2006], Proceedings of SEEFIRE Policy Workshop (17 Jan 2006)

15/2005], Press release: SEEFIRE Workshop: First Step for NRENs Wishing to Acquire Dark Fibre in South East Europe

17/2005], Press release: SEEFIRE Workshop Opens Doors to Acquisition of Dark Fibres in South East Europe

17/2005], Proceedings of SEEFIRE Technical Workshop (14-15 Jul 2005)



ers

NA



Trans-European Research and Education Networking Association
Singel 468 D
10 17 AW Amsterdam
The Netherlands

<http://www.terena.nl>

IT



Greek Research & Technology Network 56 Mesogion Av.
115 27 Athens
Greece

<http://www.grnet.gr>

ET



Czech NREN operator
Zikova 4
160 00 Praha 6
Czech Republic

<http://www.cesnet.cz>

HUNGARNET



Hungarian Research & Education Network
Victor Hugo Utca 18/22
1132 Budapest
Hungary

<http://www.hungarnet.hu>
<http://www.niif.hu>

SJ



Academic & Research Network of Serbia & Montenegro
Studentski Trg 1
11000 Belgrade
Serbia & Montenegro

<http://amrej.net.ba>



Victor Hugo Utca 18/22
1132 Budapest
Hungary

<http://www.hungarnet.hu>
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U



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Studentski Trg 1
11000 Belgrade
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<http://amrej.rcub.bg.ac.yu>

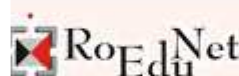
E



Delivery of Advanced Network Technology to Europe
City House
126-130 Hills Road
Cambridge CB2 1PQ, UK

<http://www.dante.net>

uNet



Romanian Research & Education Network
Splaiul Independentei, 313, Building R,
Room R506-507 060042,
Bucharest Romania

<http://www.roedu.net>



Information Society Technologies
Foundation – Bulgaria
Office 309, fl.3,
6 Gourko Street
1000 Sofia
Bulgaria

<http://www.ist.bg>

iet



Macedonian Academic & Research Network
Krstе Misirkov bb
1000 Skopje
FYR of Macedonia

<http://www.marnet.net.mk>

RNET



Bosnian & Herzegovinian Research & Education Network
Kulina Bana 16
Sarajevo
Bosnia & Herzegovina

<http://www.biharnet.ba>

Dark Fibre Installation and Long-term Acquisition Experiences in SEE - September 2005

A public report on the networking status of NRENs in southeast Europe, which includes case studies describing the experience in deployment of a national network infrastructure by NRENs in the region and, to a limited extent, in other countries that have faced similar issues. The deliverable has been submitted to the European Commission in September 2005.

DWDM Equipment Vendors List (working document)

A list of DWDM equipment vendors is being prepared by the project partners. The list is meant to provide information to people that are new to the technology but need to buy equipments.

The list will not provide product comparisons.

NREN Empowered Dark Fibre Transmission Technologies - November 2005

A report on technologies and equipment for enabling a dark-fibre infrastructure in southeast Europe at different levels - national, regional and international - incorporating available results from individual dark-fibre deployment activities taking place in the region and elsewhere.

Support for Deployment of Customer Empowered Fibre Infrastructure - January 2006

A report on solutions for enabling a dark-fibre infrastructure for southeast European NRENs targeting different deployment cases with respect to costs and operation needs, providing examples of documents and specifications used for procurement in other countries and reporting on known adaptations needed for their application to NRENs in the region.

Regulatory and Legal Framework for the Support of Dark Fibre Infrastructure in SE Europe - December 2005

A report providing an overview of the evolving regulatory environment for the countries under consideration, taking into account inhibitors and opportunities for the ownership of dark-fibre networks, and of approaches to influencing its development towards best standards.

Economic Model for the Acquisition and Operation of Dark Fibre Networks in SE Europe - March 2006

A report containing an analysis and evaluation of the different economic models for dark-fibre acquisition at international and national level and showing the cross-over points for the different approaches.

Project Web site and Project Presentation - May 2005

This deliverable will be a Powerpoint Presentation providing a standard overview of the project facts and planned results and providing a pointer to the project web site.

Final plan for using and Disseminating knowledge - March 2006

An evolving document, of which the final version summarises the dissemination activities carried out during the project.

White Paper: Strategic Report on SE European Fibre Infrastructure for Research and Education - March 2006

The executive summary of the SEEFIRE project, which will address the digital divide and inhibitors of research and education networking in SEE countries as well as the potential impact of NREN-initiated efforts for dark-fibre acquisition. A preliminary version of this document will be made available to participants at a policy workshop to be held in the second half of the project.

White Paper: Executive Summary Targeting NREN Stakeholders - June 2006

White Paper: Executive Summary Targeting NREN Managers - June 2006

White Paper: Executive Summary Targeting Politicians - June 2006

White Paper: Executive Summary Targeting Infrastructure Providers - June 2006

Report on raising public participation and awareness - March 2006

A report about the activities and actions carried out during the project to promote and transfer the SEEFIRE information and documents the public.

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About

"Dark fiber" is the new paradigm in the research networking around the world. It is the only transmission medium providing virtually unlimited capacity and flexibility in network development. The possession of fiber means for NRENs freedom, sustainability and predictive costs. Dark-fiber based NRENs have the flexibility of network design and technology choice. Such networks allow for fixed cost of use of the infrastructure and at the same time provide upgradeability to Tbit/s, as the user demands grow. NRENs that already recognized these benefits have had their transmission capacities soared and the range of their infrastructure expanded. On the other hand, European networking faces great "digital divide", clearly visible at the eastern and southeastern border of European Union.

Porta Optica Study is a project co-funded by the European Commission as the Specific Support Activity ,with the ultimate goal of the stimulation and consolidation of initiatives to ensure the successful, dark-fiber based research network deployment in Eastern Europe, the Baltic States and Southern Caucasus regions.

Porta Optica Study project will have influence on over 1400 scientific institutions and 700 higher education indtitutions in 9 target countries.

Contact us

Private zone

Login



PSNC

Poznan Supercomputing
and Networking Center
Project coordinator



CEENet

Central and Eastern
European Networking
Association



KTU

Kaunas University of
Technology



K A U N O
T E C H N O L O G I J O S
U N I V E R S I T E T A S



University of Latvia
Institute of Mathematics
and Computer Science

IMCS-
UL

Institute of Mathematics
and Computer Science,
University of Latvia



EENet

Estonian Educational and
Research Network



URAN

Center for European
Integration Ltd., Kiev



NCIRT

The National Center for
Information Resources and
Technologies of the
Republic of Belarus



RENAM

Public Research and
Educational Networking
Association of Moldova



GRENA

Georgian Research and
Educational Networking
Association



GRNET

Greek Research &
Technology Network



Datu uzkrāšana:

Satiksmes ministrijas un LUMII pētījums par platjoslu

IZM augstskolu un pētniecības institūtu reģistrs

Datu anketēšana Porta Optica projekta ietvaros:

- kāds slēgums būs nepieciešams;
- kādi starptautiski pētniecības projekti tiek veikti;

IZM reģistrs

State Education

Higher Education Institution or their Branch	Address	Home Page or e-address	Rector or Executive Director
Banking Institution of Higher Education	K.Valdemāra ielā 1b, Rīgā, LV-1819	www.lba.lv	Tatjana Volkova
Daugavpils University	Vienības ielā 13, Daugavpils, LV5400	www.dpu.lv	Zaiga Ikere
Balvi Branch	Balvi Partizānu 16 LV-4501	inese@balvi.gov.lv	Nora Apine
Dobele Branch	Dobele Dzirnavu 4 LV-3701	inese@dobele.lv	Inese Didže
Jelgava Branch	Jelgava Čakstes Bulvāris 5-216 LV-3001	idena@latnet.lv	Irēna Žogla
Limbaži Branch	Limbaži Rīgas 30 LV-4001	galina.karpova@apollo.lv	Gaiņa Karpova
Madona Branch	Madona Raiņa 17 LV-4801		Daiga Abola
Rēzekne Branch	Rēzekne Atbrīvošanas aleja 95 LV-4600	regina.semjonova@edu.rdnet.lv	Regīna Semjonova
Rīga Branch	Rīga Ganību dambis 7 LV-1045	rkv@rsdc.lv	Irmīne Pogrebnaka; Inese Jurgena
Jāzeps Vītols Latvian Academy of Music	Rīga Krišjāņa Barona 1 LV-1050	latmusic@lanet.lv	Juris Karlsons
Latvian Maritime Academy	Rīga Kronvalda Bulvāris 6 LV-1206	lma@lma.lv	Jānis Brūnavs
Latvian Academy of Culture	Rīga Ludzas 24 LV-1003	www.lka.edu.lv	Jānis Siliņš
Latvian University of Agriculture	Lielā iela 2, Jelgava, LV-3001	www.llu.lv	Juris Skujāns
Jēkabpils Branch	Jēkabpils Pasta 1 LV-5201	koledza@tvnet.lv	Anda Vītiņa
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Latvian Academy of Art	Rīga Kalpaka bulvāris 13 LV-1867	www.lma.lv	Jānis Andris Osis
Latgale Branch	Rēzekne Baznīcas 34a LV-4600	t. (371) 4621723	?
National Defence Academy of Latvia	Rīga Ezermalas 6/8 LV-1014	www.naa.mil.lv	Kārlis Krēsliņš
Latvian Police	Rīga Ezermalas	www.polak.edu.lv	Ārija Meikališa

Latvian Academy of Sports Education	Rīga Brīvības gatve 333 LV-1006	www.lspa.lv	Uldis Grāvitis
University of Latvia	Raiņa bulvāris 19, Rīga, LV- 1586	www.lu.lv	Ivars Lcis
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Valka Branch	Valka Beverīnas 3 LV-4701	unda@valka.lv	Unda Ozoliņa
Liepājas Academy of Pedagogy	Liepāja Lielā 14 LV-3401	www.lieppa.lv	Oskars Zīds
Rezeknes Higher Education Institution	Rēzekne Atbrīvošanas aleja 90 LV-4600	www.ru.lv	Leonārs Svarinskis
Stockholm School of Economics in Riga	Rīga Strēlnieku 4a LV-1010	www.sseriga.edu.lv	Paalzow Lars Anders Gustav
Rīga Graduate School of Law	Rīga Alberta 13 LV-1010	www.rgs.edu.lv	John J.A. Burke
Rīga Teacher Training and Educational Management Academy	Rīga Imantas 7. līnija 1 LV-1083	www.rpiva.lv	Dace Markus
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Rīga Stradiņa University	Rīga Dzirciema 16 LV-1007	www.aml.lv	Jānis Vētra
Rīga Technical University	Rīga Kaļķu 1 LV-1050	www.rtu.lv	Ivars Knēts
Daugavpils Branch	Daugavpils Smilšu 90 LV-5410	t.(371) 5443708	Guntis Strautmanis
Liepājas Branch	Liepāja Vānes 4 LV-3400	?	Voldemārs Kārklīns
Ventspils Branch	Ventspils Kuldīgas 55 LV-3601	t. (371) 3624710	Vineta Gobiņa
Ventspils University College	Ventspils Inženieru	www.venta.lv	Jānis Vucāns
Vidzeme University College	Valmiera Cēsu 4 LV-4200	www.va.lv	

Private Institutions of Higher Education

Higher Education Institution or their Branch	Address	Home Page or e-address	Rector or Executive Director
The Baltic Russian Institute	Rīga Piedrujas 3 LV-1073	www.bri.lv	Arkādijs Vocišs
Daugavpils Branch	Daugavpils Dzelzceļa 3 LV-5400	bkisekretare@inbox.lv	Svetlana Miļusa
Jelgava Branch	Jelgavas Ozolnieki Skolas 4b LV-3001	BKliene@one.lv	Vladimirs Jefremovs
Jēkabpils Branch	Jēkabpils Zvanītāju "Zvanītāji" LV-5201	bki@zednet.lv	Inta Čamane
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Business Institute RIMPAK Livonija	Rīga Observatorijas 7 LV-1067	www.rimpak.com	A.Krasiļņikovs
Higher School of Economics and Culture	Rīga Lomonosova 1/1 LV-1019	www.eka.edu.lv	Vjačeslavs Surkovs
Daugavpils Branch	Daugavpils Muitas 3e LV-5400	info@eka.lv	Brigita Hrzščanoviča
Information Systems Management Institute	Rīga Lomonosova 1a LV-1019	www.isma.lv	Marga Živitere
Daugavpils Branch	Daugavpils Rīgas 12 LV-5404	isma@isma.lv	Vladislavs Volkovs
Ventspils Branch	Ventspils Fabrikas 6 LV-3600	isma@isma.lv	Oļegs Mihailovs
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Lateran Pontifical University Branch - Riga Institute of Theology	Rīga Katoļu 16 LV-1003	prefekts@one.lv	Pauls Kļaviņš
Latvian Christian academy	Jūrmala Bulduri 5.līnija 3 LV-2010	www.kra.lv	Skaidrīte Gūtmane
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Riga International School of Economics and Business Administration	Rīga Meža 1 k.2 LV-1048	www.rsebaa.lv	Boriss Kurovs
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International Higher School of Practical Psychology	Rīga Bruņinieku 65 LV-1011	ak@prof.lv	Jānis Zaļkalns
Transport and Telecommunication Institute	Rīga Lomonosova 1 LV-1019	www.tsi.lv	Jevgeņijs Kopitovs
Latgale Branch	Daugavpils Varšavas 43B LV-5404	latgaliija@tsi.lv	Zigurds Vuškāns

Research and Development (R&D)

R&D Unit	Address	Home Page or e-address	Director	Legal Status
Agro-chemistry Research Centre	Rīga Struktoru iela 14a LV-1039	www.apcentrs.lv	Regīna Timbare	Bussines unit
Scientific Institute of Biotechnology and Veterinary Medicine "Sigra"	Peltes, Siguldas pagasts, Rīgas rajons Institūta iela 1 LV-2150	sigra@lis.lv	Aleksandrs Jemeljanovs	Subdivisi on
Jāzeps Vītols Latvian Academy of Music Scientific Research Centre	Rīga Kr.Barona iela 1 LV-1050	zpc@music.lv	Lolita Fūrmane	Subdivisi on
Latvian Plant Protection Research Centre	Rīga Lielvārdes iela 36/38 LV-1006	ilze.priekule@l AAPC.lv	Ilze Priekule	Bussines unit
Latvian University of Agriculture Institute of Agrobiotechnology	Jelgava Lielā iela 2 LV-3001	lfaugk@llu.lv	Aleksandrs Adamovičs	Subdivisi on
Latvian University of Agriculture Scientific Institute of Soil and Plants	Jelgava Lielā iela 2 LV-3001	lfaak@llu.lv	Aldis Kārklīšs	Subdivisi on

Latvian Academy of Art Institute of Art History	Rīga Akadēmijas laukums 1-160	art@lza.lv	Elīta Grosmane	Subdivison
Latvian Institute of Organic Synthesis	Rīga Aizkraukles iela 21 LV- 1006	sinta@osi.lv	Ivars Kalviņš	Agency
Latvian Statistical Institute	Rīga Kr. Barona iela 30 LV-1011	lsi@latnet.lv	Edvīns Vanags	Agency
University of Latvia Institute of Astronomy	Rīga Raiņa bulvaris 19 LV -1586	astra@latnet.lv	Māris Ābele	Subdivison
University of Latvia Augusts Kirhensteins Institute of Microbiology and Virology	Rīga Rātsupītes iela 1 LV-1067	vaira@latnet.lv	Vaira Saulīte	Agency
University of Latvia Institute of Biology	Salaspils Miera iela 3 LV-2169	www.lubi.edu.lv	Viesturs Melecis	Agency
University of Latvia Research and Study Centre of Biomedicine	Rīga Rātsupītes iela 1 LV-1067	bmc@biomed.lv	Zināida Šomšteine	Agency
University of Latvia Institute of Electronics and Computer Science	Rīga Dzērbenes iela 14 LV-1006	www.edi.lv	Ivars Biļinskis	Agency
University of Latvia Institute of Philosophy and Sociology	Rīga Akadēmijas laukums 1 LV-1940	www.fsi.lv	Maija Kūle	Agency
University of Latvia Institute of Physics	Salaspils Miera iela 32 LV-2169	fizinst@sal.lv	Jānis Ernests Freibergs	Agency
University of Latvia Institute of Hydro-ecology	Salaspils Miera iela 3 LV-2169	hydro@latnet.lv	Juris Aigars	Agency
University of Latvia Institute of Latvian Language	Rīga Akadēmijas laukums 1 LV-1050	latv@lza.lv	Ilga Jansone	Agency
University of Latvia	Rīga Akadēmijas	lvi@lza.lv	Jānis Bērziņš	Agency

Rīga Stradina University Institute of Hereditary Cancer	Rīga Dzirciema iela 16 LV-1007	hci@stradini.lv	Jānis Gardovskis	Subdivision
Institute of Inorganic Chemistry of Riga Technical University	Salaspils Miera iela 34 LV-2169	www.nki.lv	Jānis Grabis	Agency
Latgales Scientific Research Centre of Agriculture	Rēzeknes rajons, Viļāni Kultūras laukums 1a LV-4650	strzin@apollo.lv	Veneranda Stramkale	Business unit
Institute of Development of National Economics	Rīga Raiņa bulvāris 23/2-14 LV-1050	asprogis@latnet.lv	Jānis Blauss	Foundation
Scientific Institute of Water Management and Land	Jelgava Dobeles iela 43 LV-3001	uzzi@apollo.lv	Jānis Valters	Agency
Dobeles State Horticulture Plant-breeding and Experimental Station	Dobele Graudu iela 1 LV-3701	dobelesdsis@latnet.lv	Edīte Kaufmane	Agency
Scientific Institute of Agriculture	Aizkraukles rajons, Skrīveru pagasts, Skrīveri-1 Zemkopības institūts 7 LV-5126	szc@inbox.lv	Aldis Jansons	Subdivision
Stendes State plant-breeding station	Talsu rajons, Lībagu pagasts Dižstende LV-3258	stende.selekcija@apollo.lv	Sanite Zute	Agency
Ventspils International Radio Astronomy Centre	Ventspils Inženieru iela 101 LV-3601	virac@venta.lv	Juris Žagars	Subdivision

**ACADEMIC
CLIENTS**

	Amount	% of all
Universities	19	22%
Libraries	12	14%
Schools	31	36%
Research institutes	11	13%
Museums	3	4%
Institutes of further education	2	
All Others	9	11%

TOTAL:	87	100%
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**CONNECTION
TYPES**

	Optics	Radio	Ultra DSL	TOTAL:
Universities	12	6	1	19
Schools		29	2	31
Libraries	2	9	1	12
Research institutes	2	8	1	11
Museums		2	1	3
Institutes of further education	1	1		2
All Others	2	5	2	9
TOTAL:	19	60	8	87

Country	City	Population (in thousands)	Number of Higher Education Institutions	Number of Higher Education Institutions, Branch	Number of scientific institutions in the city	Total Number of scientific, R&D institutions in the city	Total number of university students	Priority level (High =1; Medium =2; Low =3)
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Estonia		1342						
	Tallinn	400						1,0
	Tartu	100						2,0

Latvia		2 306 434						
	Riga	731 762	28	1	32	61	94700	1,0
	Daugavpils	110 379	1	11		12	6400	2,0
	Salaspils (Riga District)	8418			6	6		2,0
	Jelgava	66 136	1	3	3	7	10000	2,0
	Ventspils	44 017	1	4	1	6	900	2,0
	Liepāja	86 264	1	5		6	4300	2,0
	Rēzekne	37233	1	5		6	4000	2,0
	Valmiera	27 514	1			1	1200	2,0
	Jūrmala	55 603	1			1	300	2,0
	Ulbroka (Riga District)	3 166			1	1		3,1
	Sigulda	14799		1	1	2		3,1
	Jēkabpils	28473		5		5		3,2
	Bauska	10 178		2		2		3,2
	Cēsis (+District)	57 698		2	1	3		3,2
	Limbaži	8549		2		2		3,2
	Talsi (+Talsi District)	47 575		3		3		3,2
	Balvi	9392		1		1		3,2
	Dobele	11722		1	1	2		3,2
	Madona	9762		2		2		3,2
	Valka	7332		1		1		3,2
	Tukums (+District)	55 275		1	1	2		3,2
	Alūksne	9954		1		1		3,2
	Kuldīga	13530		1		1		3,2
	Skrīveri	1665			1	1		3,2
	Vijāni	4495			1	1		3,2
	Smiltene	501		2		2		3,2

Forestry Silava Institute www.silava.lv	R&D							Y	COST action, OSCAR, PATHCAR, SNS, EUREKA, EFORWOOD, SEPA, CRAFT	30-300Mbps	Salaspils Rīgas iela 111 LV-2169	Antra Balode, 7976706, f. 7901; info@silava.lv
University of Latvia www.lv.lv	R&D						Y			30-300Mbps	Akadēmijas laukums 1, LV-1050, Rīga	Māris Zunde, t. 7226791, f. 722; lv@iza.lv; zunde@lanet.lv
Latvian Centre of neurophysiology regulation uro.lv	R&D						Y		Project with „Schneiderische hygiēna” (Amhem, Netherland), Project with „Berufsgenossenschaft der Feinmechanik und Electrotechnik” (Koeln, Germany)	30-300Mbps	Lāčplēša iela 106/108 Rīga, LV-1003	Jānis Vandāns, t. 7221814, f. 7; neuro@zb.lv (neuro@i-izzi.lv)
University of Latvia of Philosophy ology	R&D						Y			30-300Mbps	Rīga Akadēmijas laukums 1 LV-1940	Edwards Kuzmanis, t.7229208, f. 7210806, fsi@iza.
Latvian University J.lv	U	3,5					Y	Y		30-300Mbps	Dzirciema iela 16, Rīga, LV-1007	
University of Latvia Institute of Biomedicine nc.biomed.lu.lv	R&D						Y		ScanBalt (http://www.scanbalt.org), FP5 c-RET DRUG DISC., FP5 MEDICARE, FP6 COMPUVAC, CORDIS FP6, (http://www.cordis.lu/lifescihealth/), ENACT (http://www.enactcancerresearch.org/)	3-30Mbps	Rīga, LV-1067, Rātsupītes 1, BMC	Aleksandrs Štolcs, 9273024, alexniil@biomed.lu.lv
Latvian University www.venta.lv	U	0,8	Y	Y				Y	„e- GASGRID, Action for Research and Information Support for GAS security and Supply Management in the European GRID- ”Codewitz” – enhance student programming skills and training, VentspilsOpen.net, BalticOpen.net - http://www.ventspilsopen.net/http://www.balticopen.net/	>300Mbps	Ventspils, Inženieru 101 LV-3600	Gints Neimanis, 36 29657, 36; gints@venta.lv
Latvian University www.va.lv	U	1,2	Y					Y		30-300Mbps	Valmiera LV-4210, Cēsu iela 4, Tērbatas_iela_10	Atis_Rudzītis t. 4207230, f. 42; atis.rudzitis@va.lv
Plant Protection Institute Centre	R&D							Y	GIANT Hogweed (Heracleum mantegazzianum)- a pernicious invasive weed: www.giant-alien.dk	3-30Mbps	Lielvārdes 36/38, Rīga, LV-1006	Ilze Priekule, 7551501, 655127; 75512226, ilze.priekule@laapc.
Latvian Academy of www.lspa.lv	U	1,6						Y	Vocasport, AEHESIS	30-300Mbps	Rīga Brīvības gatve 333 LV-1006	Juris Dravnieks, 7543423, 7543; juris.dravnieks@lspa.lanet.lv
Latvian Higher Education Institution lv	U	4,0	Y					Y	LINGUA, European Agency for Development in Special Needs Education Project "Assessment"	3-30Mbps	Rēzekne, Atbrīvošanas aleja 90 LV-4600	Mihails Kijaško, t. 4623798, f. 4; Mihails.kijasko@ru.lv
Latvian National Institute of Music usic.lv	U	0,6						Y		30-300Mbps		Jānis Kudiņš, t. 9631141 janisk
University of www.llu.lv	U	10,0	Y	Y	Y	Y		Y	Chemical Food Safety Network for the enlarging Europa"	30-300Mbps	Lielā 2, Jelgava, LV-3001	Edmunds Korzunovs, 3025785
Latvian Academy of www.lka.edu.lv	U	0,7						Y	Coglit	3-30Mbps	Ludzas 24, Rīga, LV-1003	Juris Urtāns, f. 7141012, urtan
Pontifical University Branch - Riga Institute of	U	0,3						Y		3-30Mbps	Katoļu 16, Rīga, LV-1003	Māris Laureckis, 9214848, 7351; marlan@inhnx.lv

Kas ir jāpanāk Porta Optica projekta noslēgumā