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# Schoolnets in Latvia

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2005



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# Latvia

- Location - Northeast Europe, Eastern coast of the Baltic Sea





# Latvia in Brief

- The central country of the Baltic States
- Border countries:
  - Lithuania
  - Estonia
  - Russia
  - Belorusia
- Capital - Riga
- Area - 64,589 sq.km or 24,937 sq.miles
- Population in 2005 - 2,306,600





# Latvia

## ■ Latvia divides in:

- 4 main regions

- Kurzeme
- Zemgale
- Vidzeme
- Latgale

- 26 districts

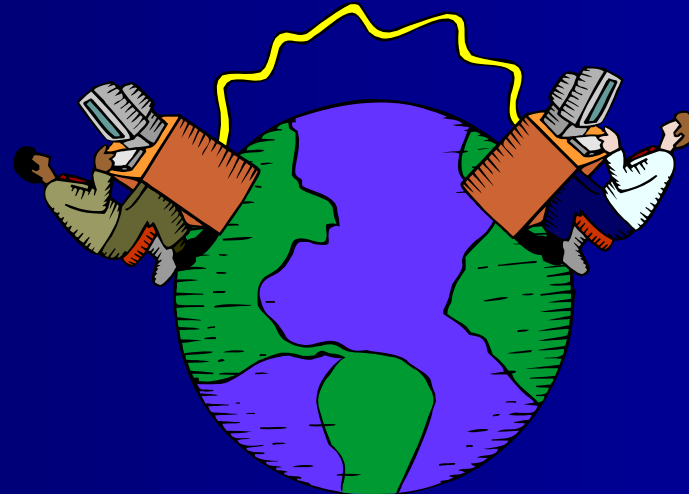
- >530 rural communities, cities and towns





# What is a Schoolnet in Latvia?

- Schoolnet includes:
  - Information and communication technologies (ICT) infrastructure
  - Virtual Network





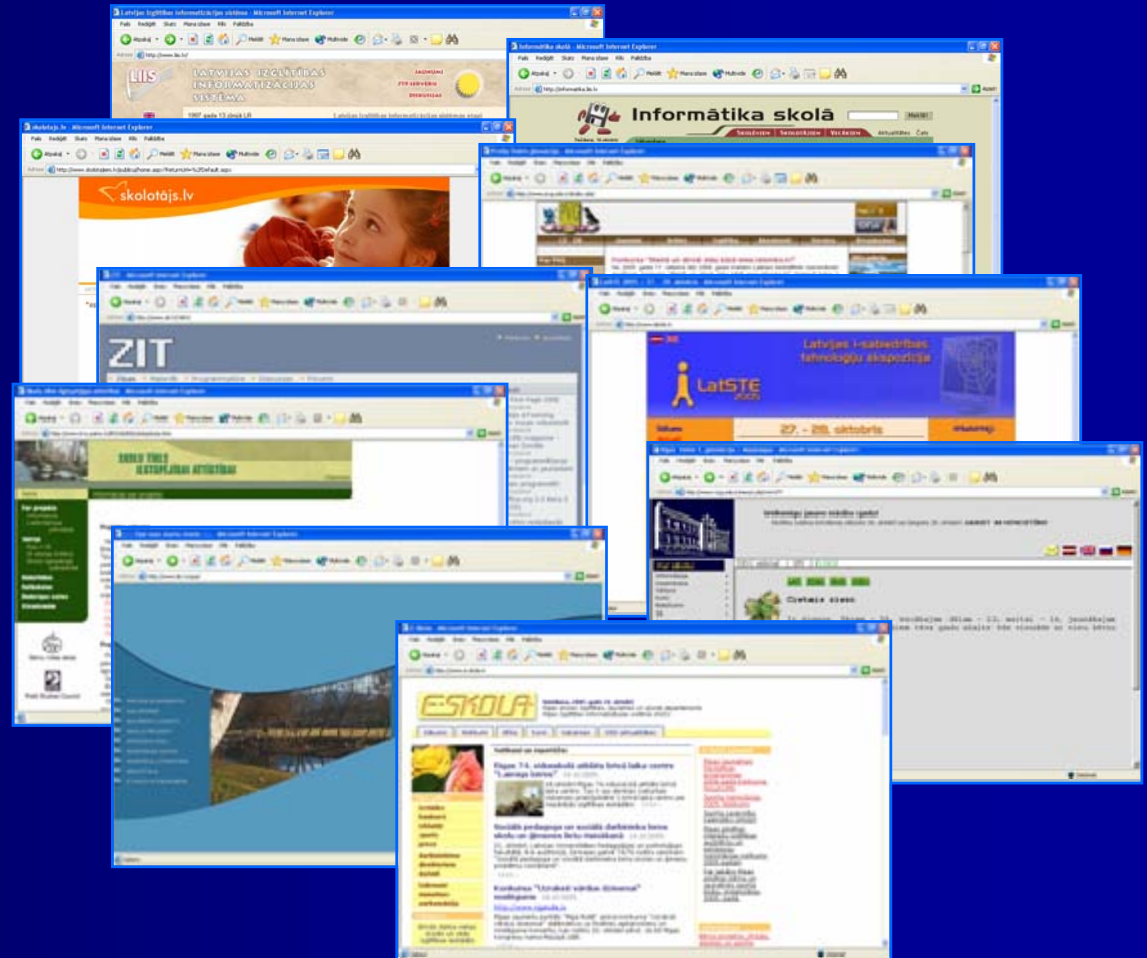
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# Virtual Network

- Websites
- FTP
- Databases
- E-mail
- ...





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**LIIS**

## The Most Popular Schoolnet in Latvia



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# What is LIIS?

## LIIS [li:s] – The Latvian Education Informatization System Project

- A state funded project
- Commenced on June 13, 1997
- Ends on December 31, 2005





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# What Does LIIS Comprise?

- Computerization of:
  - infrastructure
  - curriculum
  - management functions
  - information service
- Training of people working in education system and teachers





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# LIIS and Infrastructure

Each school is provided with:

- at least one special classroom equipped with  $\geq 6$  computers
- internet connection with speed  $\geq 128\text{ kbit/s}$





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# LIIS and Curriculum

- New standards for Informatics programs in secondary and high school education
- Internet portal 'Informatics at School'  
<http://informatika.liis.lv/>





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# 'Informatics at School'

- <http://informatika.liis.lv>

The screenshot shows the website 'Informatika skolā' in a Microsoft Internet Explorer browser window. The address bar shows 'http://informatika.liis.lv'. The website has a green and white color scheme. At the top, there is a navigation menu with 'SKOLENĪEM', 'SKOLOTĀJIEM', and 'VECĀKIEM'. Below the menu, there is a 'Sāklapa' (Home) section with a 'Mēģināt' button. The main content area is divided into several sections: 'Mācību priekšmeta standarti', 'Mācību programmu paraugi', 'Mācību materiāli', 'Eiropas datorprasme', 'Izglītības ieguves iespējas', 'Noderīgi resursi', and 'Diskusijas'. The 'Dienas doma' (Daily Thought) section features a quote: 'Ja domā, ka vari, tad tu vari. Ja domā, ka nevari, tev ir taisnība'. Below this, there is a 'Karsts' (Hot) section with a link to 'LIIS mācību materiāli 6. klasei'. The 'Zīņas' (News) section contains a link to 'Latvijas skolas saņems 1780 jaunus datorus jau šogad' and a 'Pasākumi: LatSTE 2005 (papildināts)' section. There are also sections for 'Pēdējais ziņojums' (Latest Report), 'Pēdējais komentārs' (Latest Comment), and a poll titled 'Aptauja' (Poll) with the question 'Kā Tu izvēlies paroles?' (How do you choose passwords?).



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# LIIS and Management Functions

- School management software has been developed using Oracle and Lotus Notes solutions
- Access to information is given thru Internet browser software according to access rights for the particular user





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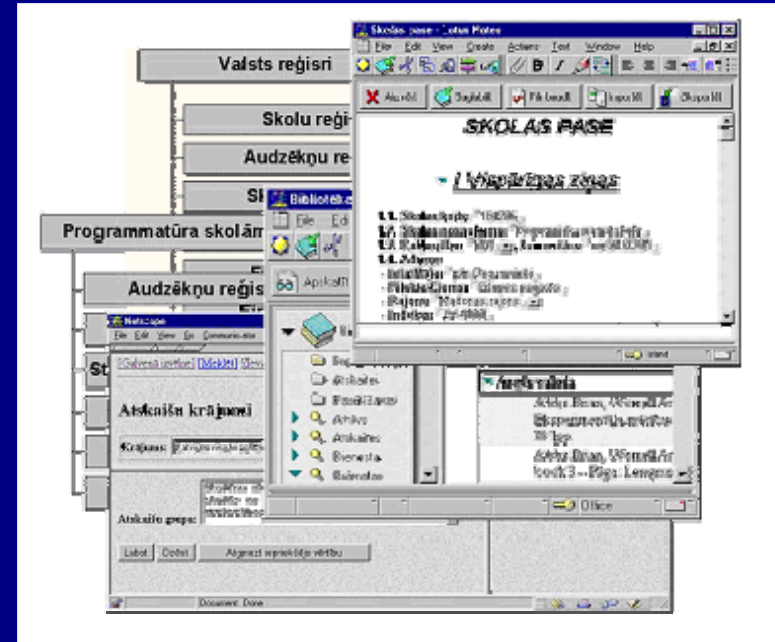


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# LIIS School Management System



- Free of charge
- The most popular subsystems:
  - Centralized database of teachers, students and financial accounting
  - Library
- Potential users:
  - the Minister of Education and Science
  - clerks of the ministry
  - school boards
  - administration of the schools





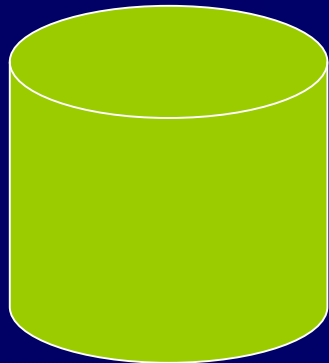
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# Centralized Database

Central database in the  
Ministry of Education  
and Science  
(Oracle)



*mainly used for  
queries and  
reporting*

Regional databases  
(Lotus Notes)



...



*mostly used for gathering  
and control of data*

>1000  
Educational institutions  
(Lotus Notes)



...





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# LIIS and Information Service

■ <http://www.liis.lv>

Latvijas Izglītības informatizācijas sistēma - Microsoft Internet Explorer

Adrese <http://www.liis.lv/>

**LIIS** LATVIJAS IZGLĪTĪBAS INFORMATIZĀCIJAS SISTĒMA

**JAUNUMI**  
FTP SERVERIS  
DISKUSIJAS

**MĀCĪBU MATERIĀLI**

**UZZINAS PAR SKOLĀM**

**APMĀCĪBA**

**INFORMĀCIJAS TEHNOLOĢIJAS**

**PĀRSKATS PAR LIIS NOTIKUMIEM**

**SKOLVADĪBAS PROGRAMMĀTŪRA**

**INFORMĀTIKA SKOLA**

**ATKLĀTĀ PIRMKODA GRUPA**

Meklēt

UNIVERSITĀTES ŽURNĀLS KATRAM SKOLENĀM!

1997. gada 13. jūnijā LR Izglītības un zinātnes ministrija un **Latvijas Universitāte** noslēdza līgumu "Par Latvijas Izglītības informatizācijas sistēmas izveidi". Izglītības informatizācijas sistēmu atbalsta Latvijas valsts un pašvaldības.

Kā sazināties:  
LIIS izveide  
Latvijas Universitāte  
Raiga bulvāris 19, Rīga, LV 1586  
Vadītājs: prof. Juris Miķelsons,  
tel. 9 207 966  
Telefoni: 7 034 490, 7 034 488  
Fakss: 7 225 039  
E-pasts: [info@liis.lv](mailto:info@liis.lv)  
Internet: [www.liis.lv](http://www.liis.lv)

Jūs esat šīs lapas **1967671** apmeklētājs

Latvijas Izglītības informatizācijas sistēmas etapi

[Par LIIS \(žurnāls e-pasaule, 2004. gada martā\)](#)

[LIIS 2004. gada produkti](#)

Latvijas Izglītības informatizācijas sistēmas LIIS projekta darbības lauks ir viss informatizācijas režģis: mācību saturs, pārvalde, informatīvais serviss, infrastruktūra un lietotāju apmācība dažādos līmeņos – skolās, izglītības pārvaldēs un izglītības un zinātnes ministrijā.

Projekts ir sācies 1997. gadā. Stratēģija mācību satura informatizācijā laikā no 2001. līdz 2004. gadam ir - pārklāt visas izziņas formas: racionālo, empīrisko, emocionālo un izziņu ar modelēšanu un pārklāt dažādus prasmes līmeņus visos izglītības posmos. ECDL (European Computer Driving Licence) tiks ieviesta informācijas un komunikāciju tehnoloģiju (IKT) izglītībā. Pārvaldes jomā tiks nodrošināta E-pārvalde katrā izglītības iestādē un elektronisko dokumentu apmaiņa. Notiks pāreja uz IKT lietošanu visu priekšmetu apmācībā. Tiks attīstītas e-mācīšanās iespējas. Infrastruktūras attīstībā paredzēts - vairāk datoru, pastāvīgais pieslēgums internetam katrai skolai.



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# What does LIIS Information Service Contain?

- Information about
  - schools in Latvia
  - LIIS activities
  - ICT using in schools
  - teacher training
- Teaching aids
- School management software and support on it
- Open source code group
- Discussions





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# Who is LIIS Information Service Designed For?

- Public information – for everybody
- Some web pages – for authorized users only





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# LIIS Teaching Aids - I

- Documents and software to be downloaded
- Online materials – for reading and interactive use



Textbooks, problem books, distance education courses, databases, educational software, project proposals, lesson plans, surveys, vocabularies, specialized home pages etc.



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# LIIS Teaching Aids - II

- Free of charge
- The total amount is equivalent to app.100 000 printed pages
- App. 500 persons were involved in developing
- On different levels of difficulty





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# Open Source Code Group

- <http://apg.liis.lv>
- Operating system testing
- Making special distributive for schools
- E-learning software localization and pilot use of it
- Recommendations for use of application software



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# LIIS and Teacher Training

- The basic aim – to create a desire among teachers to use ICT in their pedagogical work
- LIIS in Regional Centers organizes
  - teacher training
  - passing of exams
- Informatics teachers have to complete 7 European Computer Driving Licence (ECDL) modules





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# Most Popular Courses

Four major groups:



- A review of applications and teaching methodologies
- Technical maintenance of computers and computer networks
- Using computers in other areas of study
- Basics of programming



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# Thank you for the attention!

## Informative Links:

- Information about Latvia – <http://www.latvia.lv>
- The Ministry of Education and Science of the Republic of Latvia <http://www.izm.gov.lv>
- Saldus District – <http://www.saldus.lv>
- Saldus Town – <http://www.salduspilseta.lv>