



Future prospects - developments USE OF ICT, SCHOOLNETWORKS

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1994 - ...

School informatization – goals

- **to qualify teachers and pupils** for the use of information and communication technology
- **to equip schools** with up-to-date information and communication technology
- **to facilitate research and further development** in the field of introducing new information technologies into schools





Objectives

- **pedagogical vision and ICT**
- **teacher training on integrating ICT**
- **school leadership**
- **development of content**
- **cooperation between schools and teachers**

- **ICT infrastructure-hardware**
- **technical and pedagogical support**



Internet and schoolnet - goals

- **Permanent (24 hours) connection of educational institutions to the Internet for high-speed exchanges** (in terms of gigabytes)
- **Publishing all learning related activity to the Slovenian Educational network and European Schoolnet**
- **Establishment of virtual university** on the Internet to transmit local and international educational initiative
- Every Slovenian home should become **anxious to learn and educational house** at global internet village



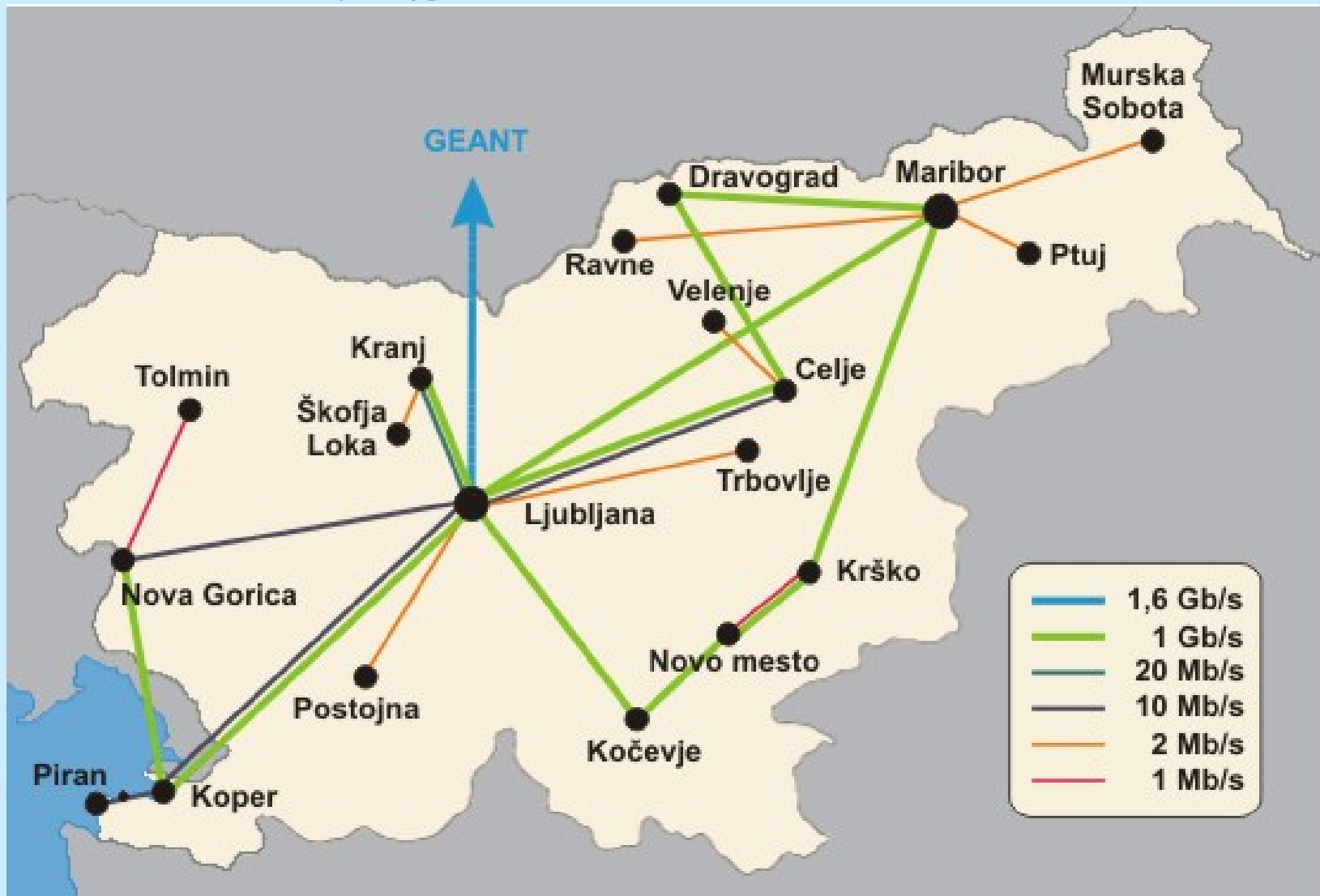
Internet and schoolnet



- **Free access to Internet** (for teachers and students; from school and home) **is provided by the public institution ARNES** - Academic Research Network of Slovenia
- **85% out of 600 of schools with local network and router** (pedagogical and administrative part), others some kind of local network
- 40%: ISDN (in two years at least to ADSL)
- 60%: ADSL, leased line, cable TV, optical, wireless
- Open tender: **ERDF – town's local optical network**



The ARNES backbone:





Internet and schoolnet

- Slovenian Educational Network **was established** in 1995 - **<http://sio.edus.si/>**
- Partner of European Schoolnet: **<http://www.eun.org>** since 1998/1999
- Teachers and students use the **possibilities** of the Internet to either:
 - obtain information **from databases in Slovenia and abroad**
 - communicate **with each other and with the “outside world”**
 - **take part in** virtual debate conferences **or join national and international educational projects** (for example etwinning, EUN, Kidlink, ESP, I*EARN)...
 - **teach and learn**
 - present activities
 - **prepare content and activities**
 - **free opening of computer classrooms and other ICT for public** (long life learning)



Challenges

Teachers

- **50% don't feel that ICT is today learner's environment**
- **teachers teach with ICT in old fashion way**
- who needs our attention:
 - **Middle part needs the whole packet** of supporting activities and resources
 - **Positive motivation** (computer, a global network, training, catalogues of high quality SW and internet resources, technical support, supporting of new ideas, promotion, peer learning...)
 - **“pushing” schools/teachers** (every document in e-form, claim for results and for research projects, salary...)
- **each should become a developer – is it possible? When?**



Challenges

System

- **centralised – decentralised**
- **everyone should do his work** (policy makers, middle management, researchers, advisors, trainers, biocrats, headmasters and teachers, pupils, parents...)
- **old architecture of schools...**

Content developers

- Partnership: school – market
- Open source / open content



Challenges

Content

- **Lack** of pedagogical internet resources
- **Too much tools**
- **What is content**
- **Quality criteria**
- **Open source**
- **Internet safety**

Pupils

- not only users

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