



Education and Culture

Socrates



EU-RESEARCH INITIATIVE TO PROMOTE, IMPROVE AND DEVELOP EUROPEAN SCHOOLNETS

Sulinet, the Hungarian schoolnet

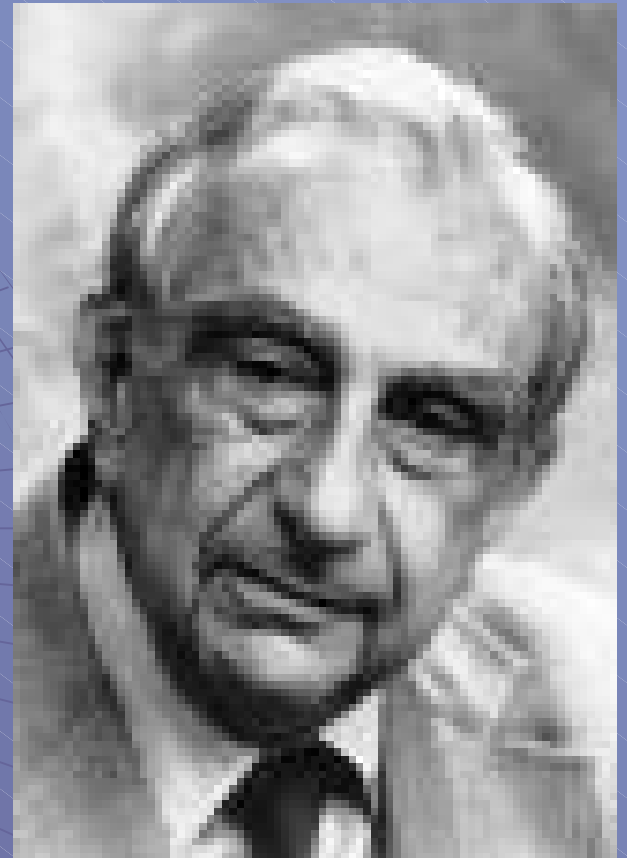
Wolfsberg (AT) and Slovenj Gradec (SL)

21.10.2005 - 23.10.2005

Our motto

... those who can't
use the computer
by the end of the
millennium would
be illiterate.

(Ede Teller)



Beginnings

- ◆ September 1, 1996 Minister of Culture and Education, Bálint Magyar – announcement of Sulinet Programme
- ◆ Sulinet is the Hungarian member of European Schoolnet

What does Sulinet do? (general goals)

- ◆ to provide the schools with Internet connection and computer labs
- ◆ to help the teachers through a portal with structured extra teaching materials
- ◆ to organise trainings for teachers and camps for students, teachers and system administrators
- ◆ to announce calls for applications

Implementation

- ◆ First step:
 - to create infrastructure in elementary schools
 - to provide all the elementary schools with Internet connection, and to establish a broad band connection in every school where not available yet
- ◆ Second step:
 - to have computers and direct access to the Internet by September 1, 1998 in every Hungarian secondary school
 - to create a digital curriculum that covers the national core curriculum of levels 7-12, secondary school

The most important data of Sulinet programme (June 1998 – 2003)

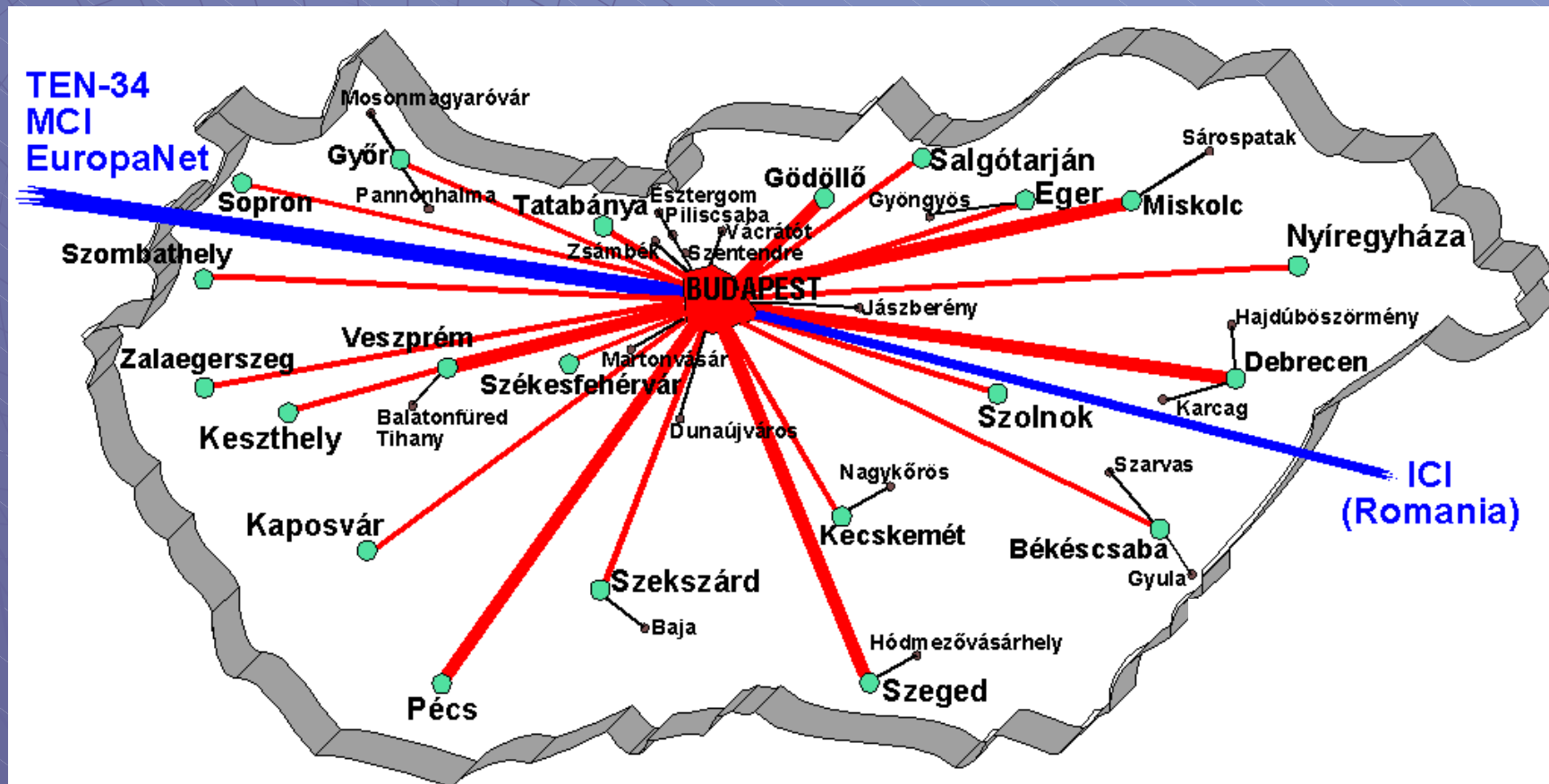
Infrastructural development (Schools – computers)

	June 1998	2002	2003
Number of Internet connections and computer labs:	1564	2340	4800
Number of schools with one computer workstation:	624	2164	
Band width (Regional centres):	2,0 Mbps	~ 17,0 Mbps	
Band width (Hungarian connection):	10,1 Mbps	100,0 Mbps	
Band width (international connection):	1,4 Mbps	68,0 Mbps	
64 kbit/s band width institutions	910	2017	0
128 kbit/s band width institutions	0	813	0
Institutions with ADSL I. and II.	0	510	2200
256-512 kBit/s	0	0	2600

Technical background

- ◆ End users join the nearest regional centre and these regional centres are linked to the SuliNet national centre.
- ◆ There are ten regional centres in the country: Debrecen, Győr, Miskolc, Pécs, Szeged, Székesfehérvár, Szolnok, Zalaegerszeg and two in Budapest.
- ◆ There is a regional server in every centre with the task of speeding up the web connection of the connected schools

Internet regional centres



Services

- ◆ linking all the schools into the Sulinet network
- ◆ continuous development of connection speed
- ◆ software development
- ◆ e-book
- ◆ e-learning
- ◆ enlargement of the educational data basis
- ◆ increasing interactivity
- ◆ mailing list
- ◆ newsletter
- ◆ votings
- ◆ forums
- ◆ 'Open Sulinet' lab

Education subportal of Sulinet

- ◆ The Education subportal is one of the biggest subportals on the Sulinet website
- ◆ Users: elementary and secondary school students, undergraduates and teachers, civilians
- ◆ Languages Column section
 - language teaching supplementary materials
 - collection of digital lesson plans

Education subportal of Sulinet

- ◆ **Mathematic section**
 - database of digital exercises
 - to enhance the motivation of the students through competitions
- ◆ **Geography section**
 - to help secondary school teachers and students
 - to present interesting geographical themes

Students Subportal

- ◆ the biggest and the second most visited site on the Sulinet portal
- ◆ to inform the readers about free time activities and entertainment opportunities
 - Students' Rights
 - Calls and events
 - What to do
 - Message
 - Music
 - Free time

Teachers Subportal

- ◆ to provide the educators and the prospective teachers with useful information
 - Digital Pedagogy
 - Educational Research
 - Interactive Teacher Site
- ◆ The site gives a chance for every educational professional to publish the information, which might also be useful for others.

Parents Subportal

- ◆ to transmit interesting information to parents quickly and dependably on the grounds of the available technology
- Schoolbag
- Psychologist
- Health
- Free time
- Fight for the rights
- Children's room
- Idea Depot
- Calls
- School Database
- Register of the Private Schools

Hungarian participation in **CELEBRATE** programme of the EUN

- ◆ Context eLearning with Broadband Technologies (CELEBRATE) was a 30-month demonstration project (ending in Nov. 2004) co-ordinated by European Schoolnet and supported by the European Commission's Information Society Technologies Programme
- ◆ Celebrate programme is represented by the Sulinet Programme Office in Hungary.
- ◆ The Sulinet Programme Office wrote out an application to join Celebrate Programme in autumn 2002.

Hungarian participation in **CELEBRATE** programme of the **EUN**

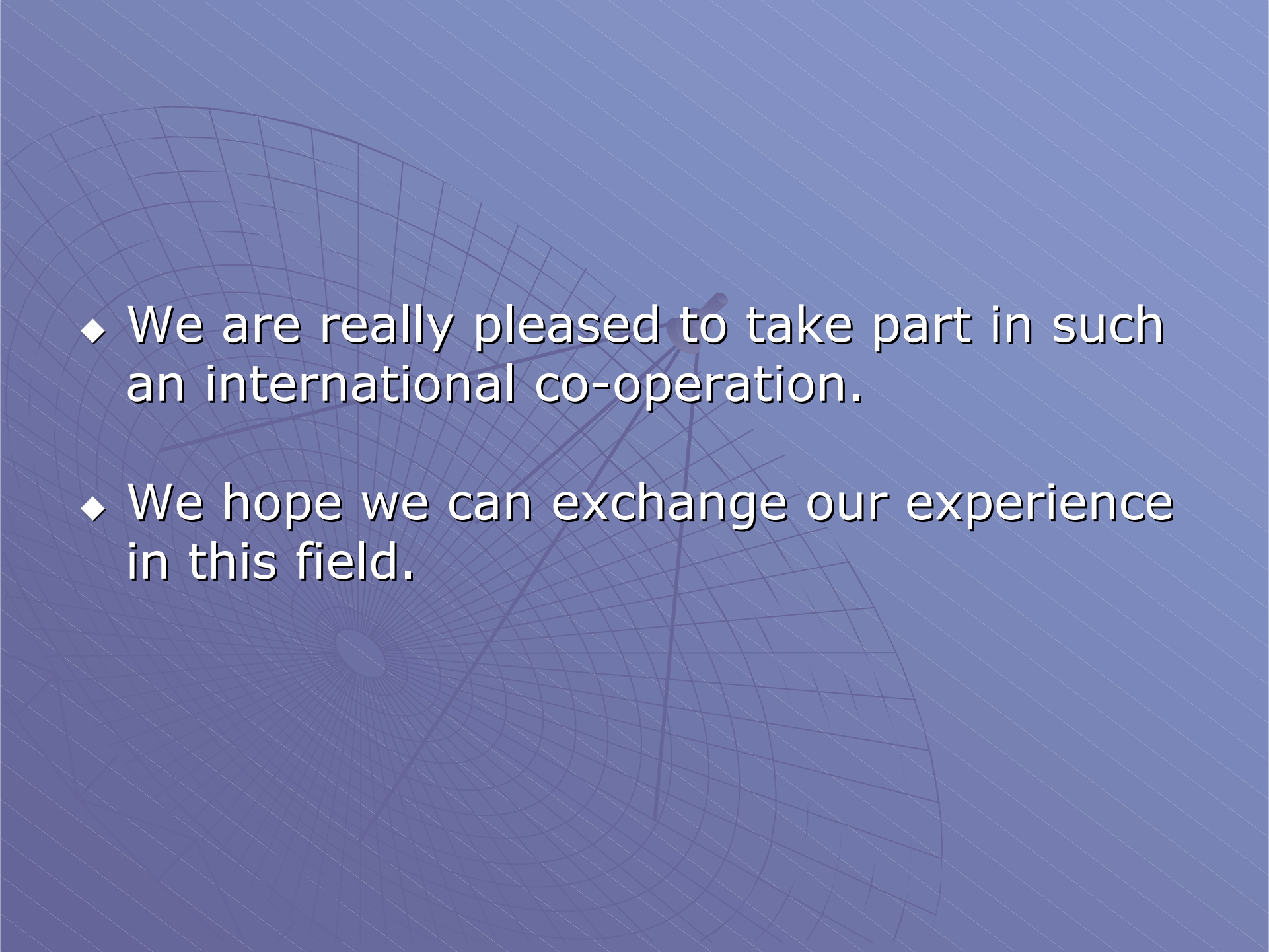
- ◆ This chance was offered for twenty schools, finally nine Hungarian schools took part in the project.
- ◆ These institutions worked out, developed and tried out digital materials for secondary schools from September 2003.
- ◆ At the end they created a database of these learning objects.

Our school in the Schoolnet

- ◆ At the beginning of Sulinet Programme our school was a primary school
- ◆ Our primary school joined this programme among the first
- ◆ Since 1998 we have had a secondary grammar school
- ◆ With our continuous technical improvement (Sulinet, applications) we arrived at the point to join an international schoolnet

Sources, good practice

- ◆ www.sulinet.hu
- ◆ www.eun.org/eun.org2/eun/en/index_celebrate.cfm
- ◆ nov.lkg-bp.sulinet.hu/04akt/2celeb.htm
- ◆ lazarus.elte.hu/hun/dolgozo/zentail/ica/internet/11a.htm
- ◆ www.pecs.sulinet.hu/tart/cikk/ca/0/19314/1

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- ◆ We are really pleased to take part in such an international co-operation.
 - ◆ We hope we can exchange our experience in this field.