



# ICT Education in Slovenia

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# New Challenges For Education



## Before 2000

- **Introduction of ICT without vision:**
  - Purchasing only
  - No development of e-learning
  - No e-content based activities
  - No support for teachers

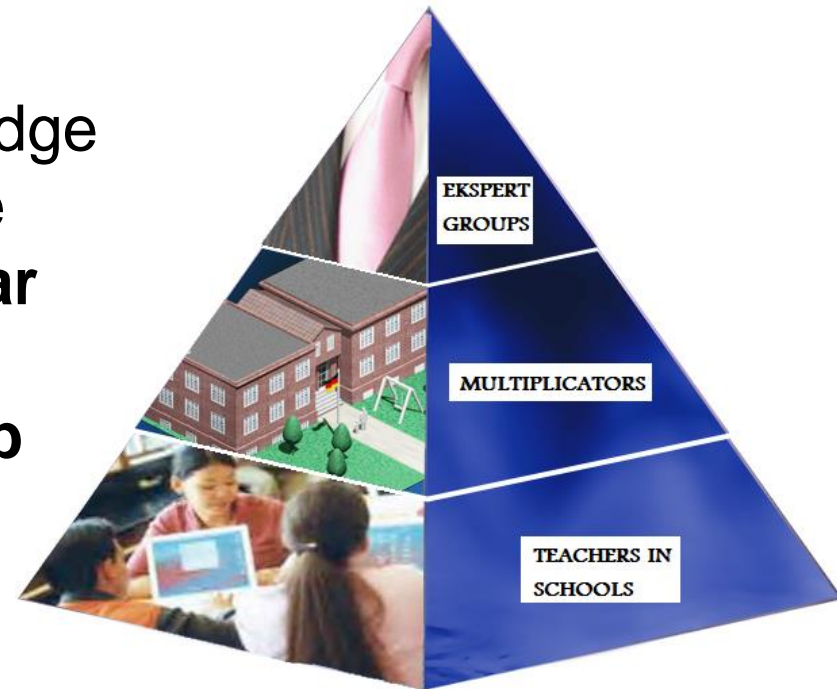


# Ministry of Education and Sports

- **Teacher training**
- **School informatisation**
  - Human resources
  - Hardware and basic software
  - E-content
  - School network and internet
- **R&D**

# Teacher Training

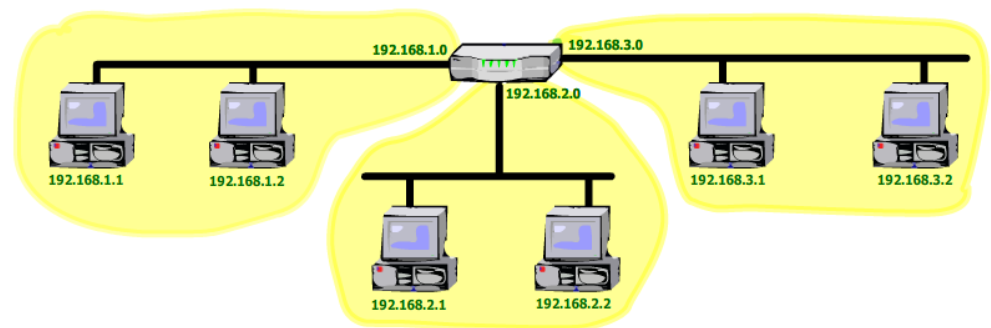
- **2004 Life-long Learning – teachers training teachers:**
  - Basic knowledge for ICT use
  - General pedagogical knowledge
  - Special-didactical knowledge
- **6.000 – 8.000 teachers per year**  
(of the total 25.000 teachers)
- **Training for School leadership**



# E-content

## Content based activities for systematic development

- 1.1.2006 - 1.9.2007
- 6 small e-Learning materials
- 22 big e-Learning materials



Omrežje razdelimo na podomrežja:  
192.168.1.0  
192.168.2.0  
192.168.3.0

# ICT – Connection With Companies and Universities

- Microsoft
- Cisco (Cisco Network Academy)
- University of Ljubljana  
(Faculty of Electrical Engineering)



# Microsoft activities

## Slovenia Partners in Learning (PiL):

- Development of free training materials for teachers community
  - > 200 free workshops for teachers
  - Over 2000 teachers trained through workshops
- **Innovative Teachers Network**
  - allows teachers connectivity and knowledge transfer
  - 20.000 visits per month on the portal

### Innovative Teachers NETWORK

Sign In | Join the Network

Welcome to the Innovative Teachers Network part of a global community of educators who share a common interest in enhancing teaching and learning through the innovative use of information and communication of technology (ICT).

The Innovative Teachers Network makes it easy to find the resources you need to transform your classroom into a technology-rich environment for classroom learning!



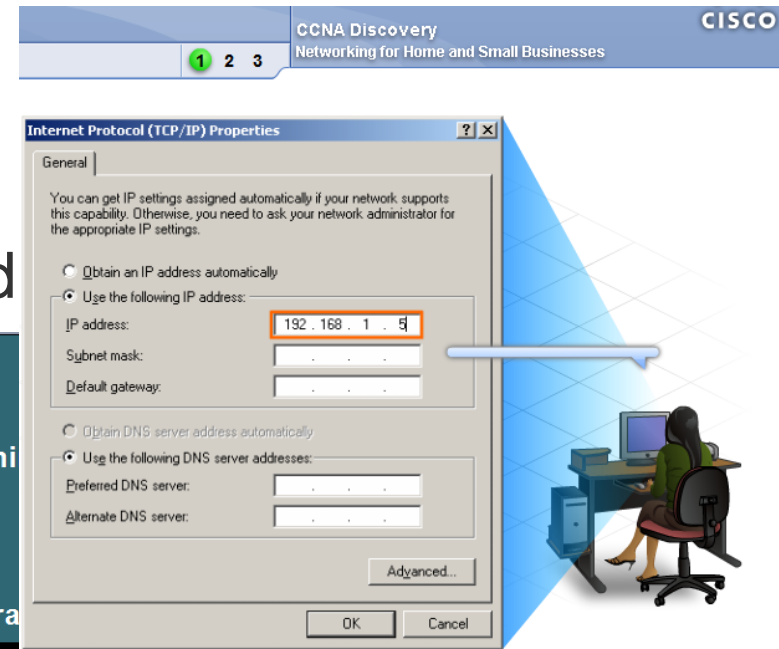
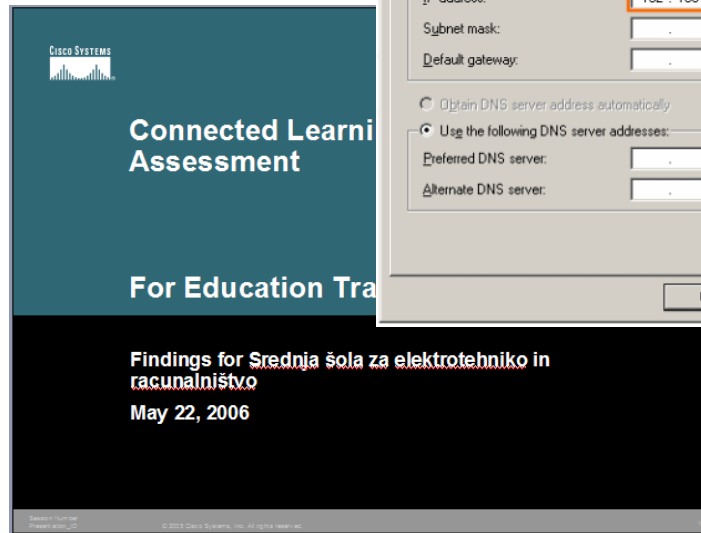
### Delavnice

- Windows SharePoint Services
- Digitalna fotografija
- Osnove omrežja
- Osnove FrontPagea 2003
- Excel 2003
- Word 2003
- PowerPoint 2003
- Seminar: Microsoft Office Specialist
- Šolsko spletno mesto
- SharePoint Designer
- Publisher 2003



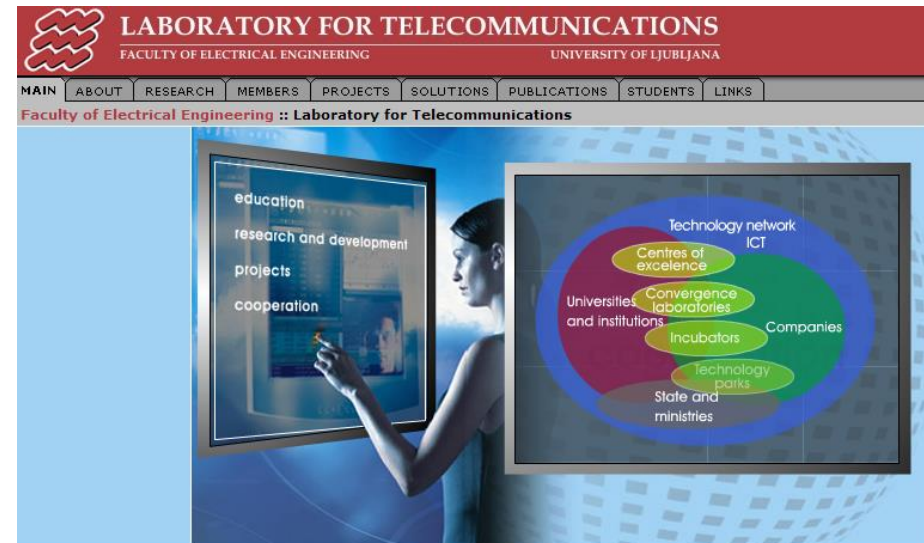
# Cisco – cooperation with the Slovenian educational system

- Non profitable
- Cisco Network Academy
- advanced e-learning materials and methodologies
- Assessment (Benchmarking)

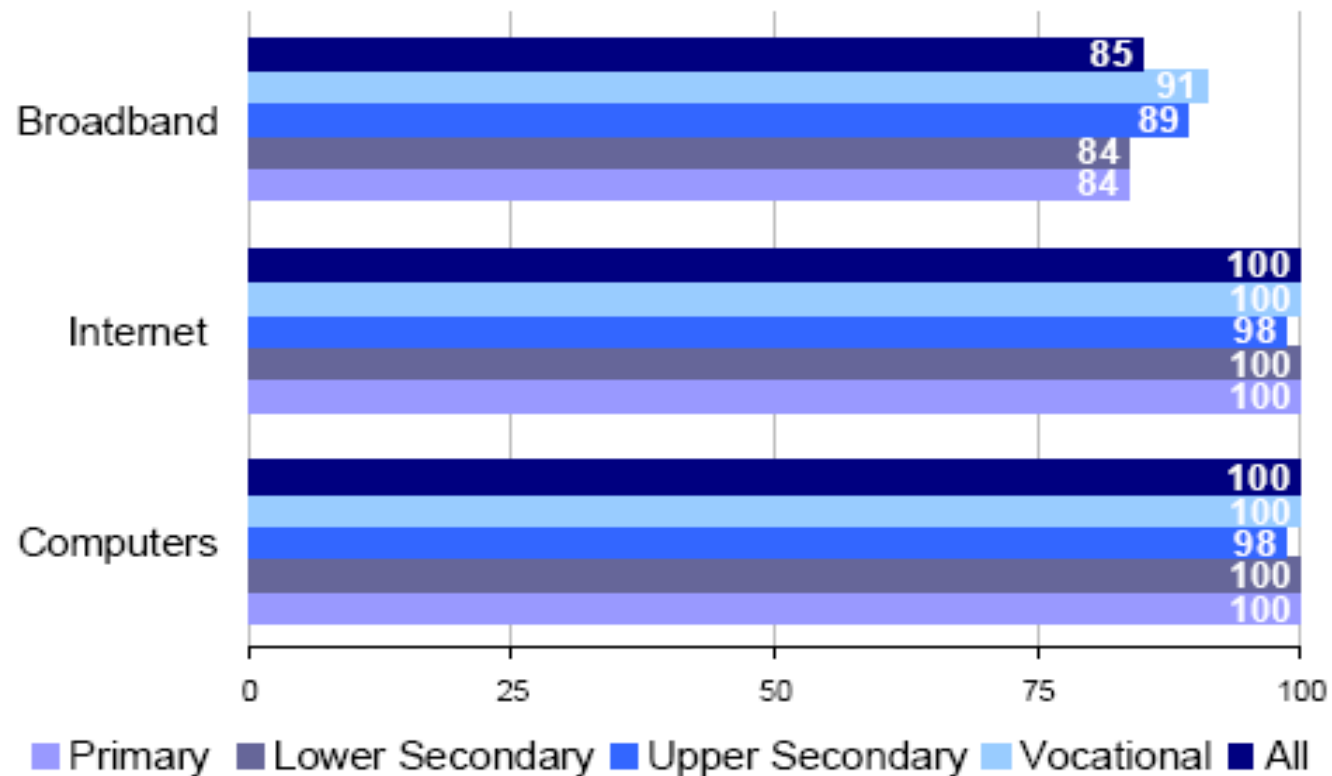


# Faculty of Electrical Engineering - Laboratory for telecommunication

- *Cooperate with schools*
  - Development of **LMS**
  - Development of Web-Based Educational Television **SiTV**
- Teachers training and workshops through summers schools



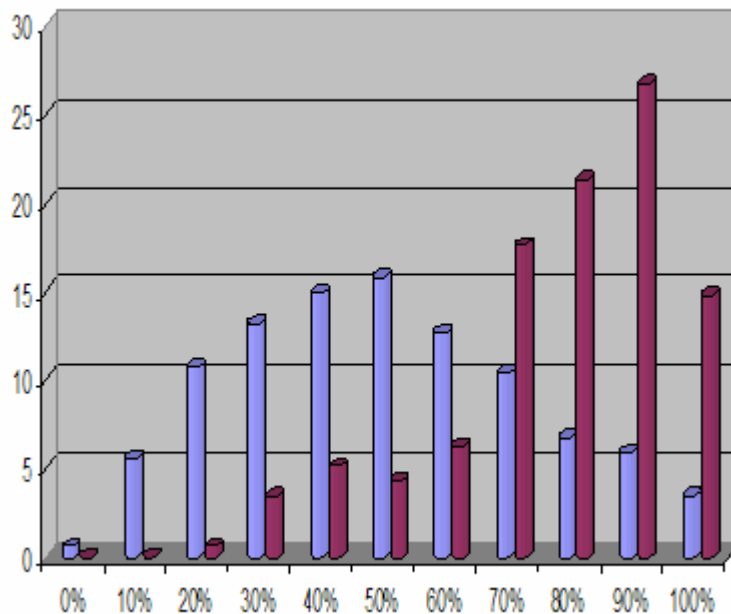
## Percentage of Schools Using Computers, Internet Connection, and Broadband Internet Access According to School Type in Slovenia 2006



**Source:** LearnInd HTS 2006; **Base:** All schools; **Question:** Computers: Q6; Internet, Broadband: Q9. See questionnaire for exact wording.

# Efficiency of ICT use

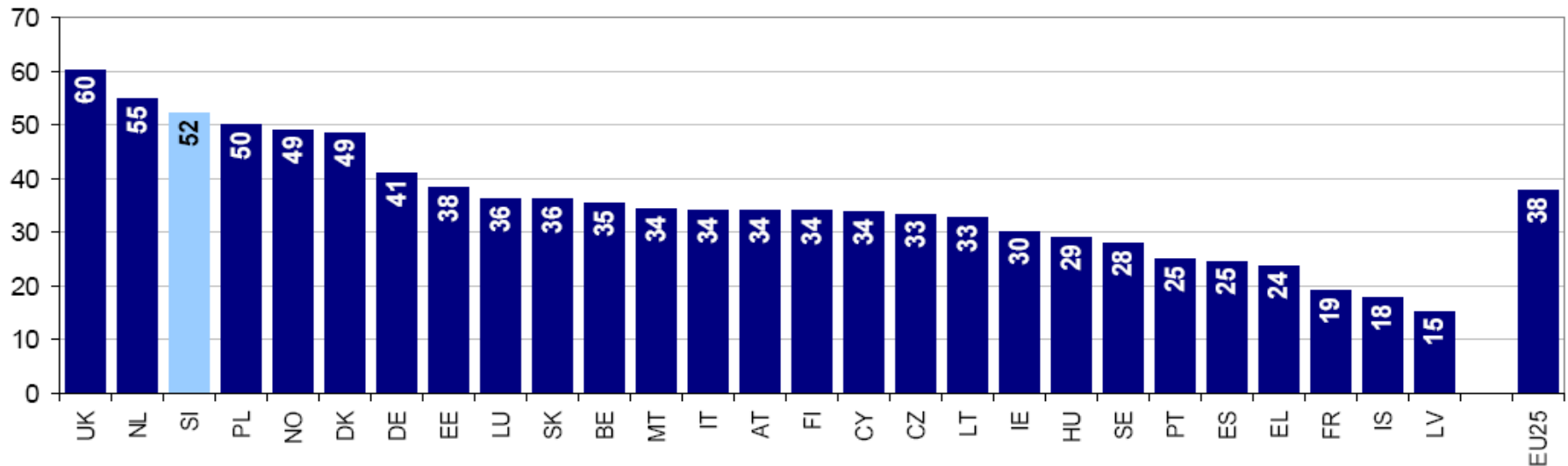
■ % of teachers using ICT prepare lessons  
■ and in classrooms Source: Pef MB, 2005



**PRIMARY,  
SECONDARY SCHOOLS**

# Special-didactical knowledge of teachers for ICT use in classrooms

ICT Readiness of Teachers in Slovenia: Percentage of Teachers Fully Ready to use Computers in Class (ACM Indicator) 2006



Source: LeanInd CTS 2006; Base: All teachers. Question: See endnote 5

## Future work

- Development of the national ICT portal
- Further development of e-contents
- MoE – seven-year project of certified teachers training

## Step by step

Technology is changing the way we live, communicate and learn. It also enables educators to re-frame education in order to meet the needs of twenty-first century learners.”

Greg Wirtby

Parrammata Schools, Sydney

