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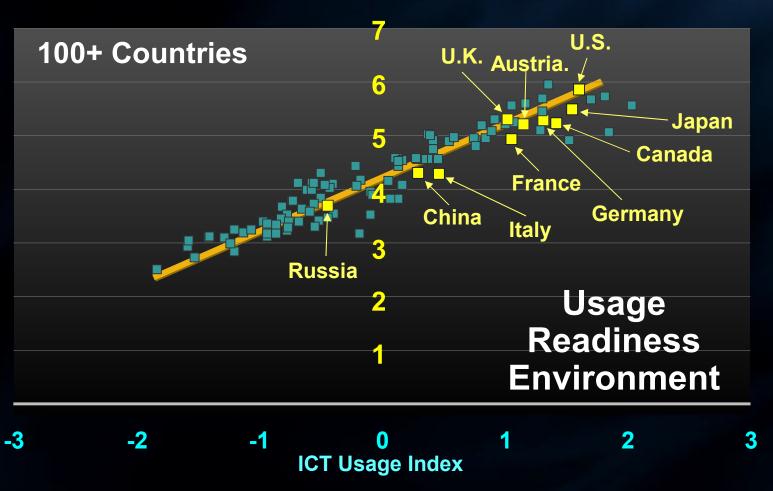
Bratislava
21 November 2005

GDP, Productivity, and IT Investment... 1990–2004



ICT Usage and Global Competitiveness 89% Correlation





Source: The Global Information Technology Report 2003-2004, World Economic Forum

Three Key Enablers of Change



Process Transformation



Broadband



Skills

Three Key Enablers of Change



Process Transformation

Net Impact 2004: Six Years of Research

Productivity

Net Impact 2005 In Progress
Middle East and Eastern Europe Public Sector

- 1400+ European Public Sector Participants

 European Public Sector
 - 57% Government, 43% Healthcare
 - 8 Countries: France, Germany, Netherlands, pact litaly, Poland, Spain, Sweden, UK
 - Local, Regional and National Government Offices

The Internet Economy Indicators 2000

Macroeconomic Impact

The Internet Economy Indicators 1999

1999

Internet Expert... Internet Company Net Impact Study: Key Findings

COORDINATE INVESTMENTS



BUSINESS PROCESSES



INTERNET BUSINESS APPLICATIONS

MEASUREMENT AND METRICS



INTELLIGENT NETWORK INFRASTRUCTURE

ORGANIZATIONAL CULTURE



Net Impact

3-7x

Over Peers Using Just Applications

Source: Momentum Research Group—Net Impact 2003 and Net Impact 2004

City of Westminster... WLAN in the Streets

The Project

CCTV + 802.11b/g for crime control and dynamic resource allocation Noise monitoring

Wireless access for PDAs and laptops... street worker web access 3200 Mobile Access Router

The Partners

Cisco Systems, Cap Gemini, Telindus, Intel, Vertex, SkyNet

The Benefits

Improved control; crime, traffic, parking + cleaner streets
Reduced Infrastucture and OPEX costs
Increased employee productivity

The Future

"Project will pay for itself in 2-3 years"

Application expansion; policing, schools & residences

Public WiFi through partnership with a Telco

Expansion across all City of Westminster



Medical Grade Network at St. Olavs Hospital, Norway

Healthcare

- Need for interconnecting medical devices ... not just PC's
- Everything is converging on IP
- Medical Grade Networks

St. Olavs Opportunity

- Better quality of care, new treatment methods and reduced cost
- Integrate University employees into the network
- Re-build hospital due to rising cost and inefficient operations

The Facts

- IPC foundation for all comm's within hospital
- MPLS/VPN network with 99.999% uptime
- Wireless coverage inside and outside 11 centres



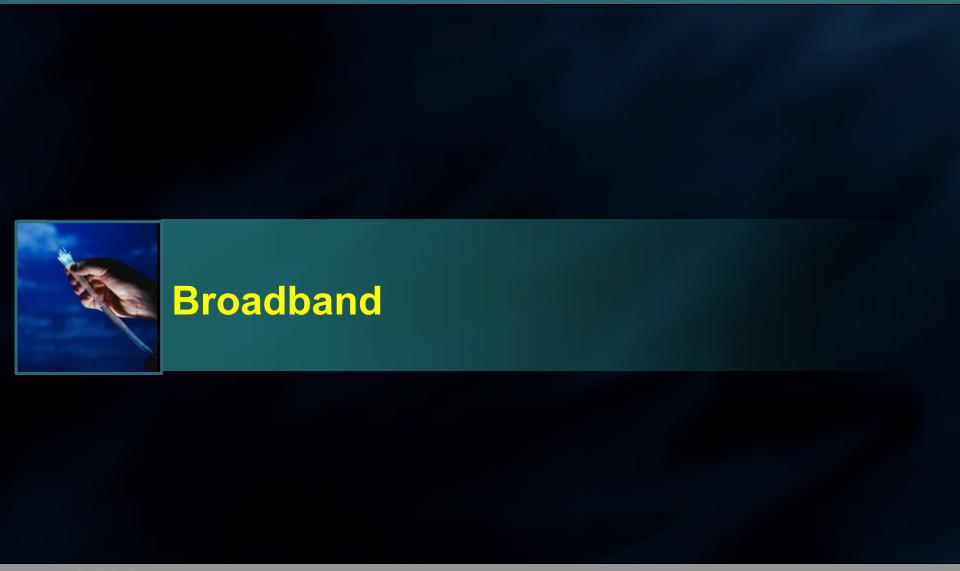
CISCO MEDICAL-GRADE NETWORK



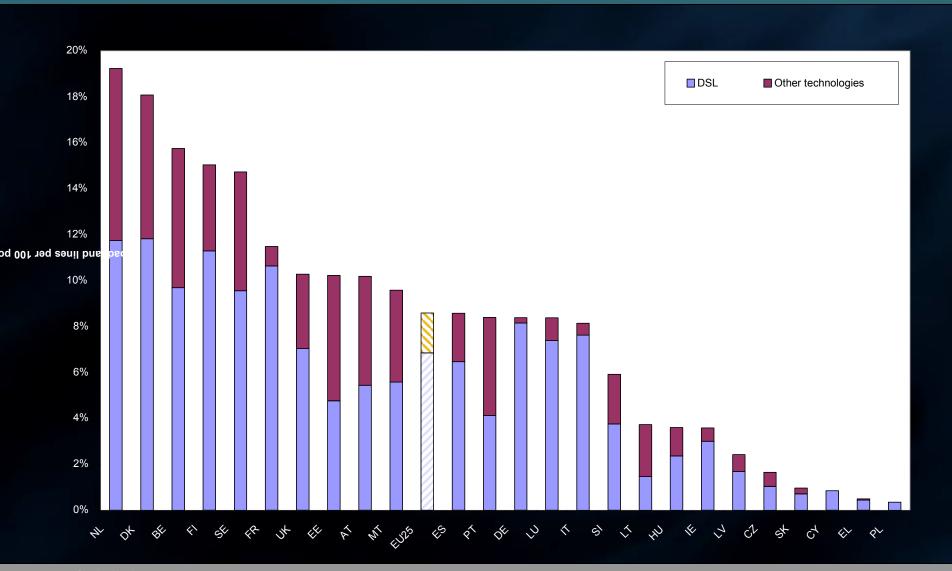
Net Impact: Best Practices



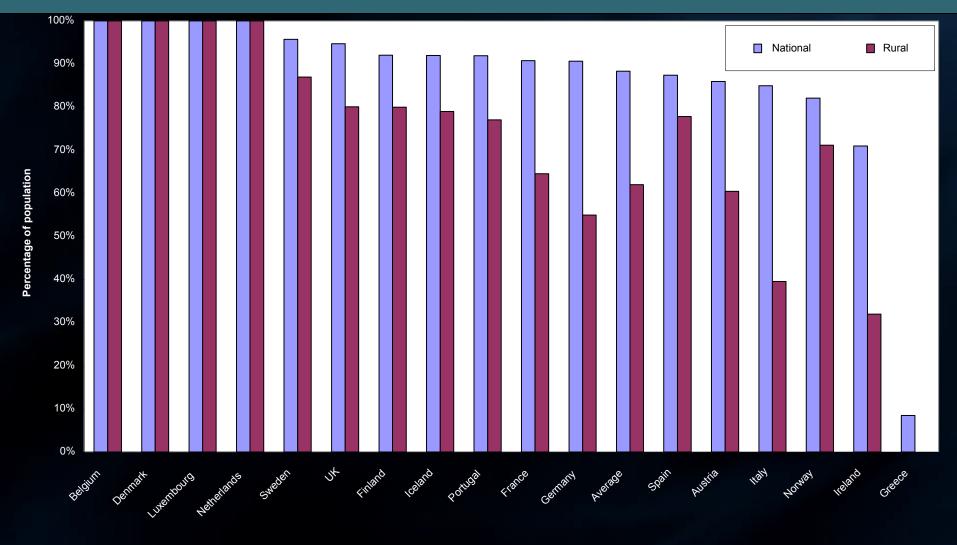
Three Key Enablers of Change



Broadband Penetration Rates in EU25



The Digital Divide in 15 Member States



Re-Focus On Broadband ... Accelerate Adoption



Citizen

- Needs are changing from basic connectivity to value-added services
- Seeking enhanced user experience and ondemand services

Government

- Re-focus on broadband... i2010 (metrics)
- Create the right regulatory environment
- Policies to encourage network deployment and service adoption
- Invest Public Funds where the market does not provide right level of coverage

Cisco assists in Government Broadband Investment

City of Milano/Italy – FASTWEB

City of Almere/Netherlands – ETTX

City of Wroclaw/Poland – e-WRO

- - -

Three Key Enablers of Change



Future Depends on The Skills of Our People

"The future of Europe depends on the quality of its human resources. Nowadays, this means a population that is well educated and highly skilled, capable of leading the change of the knowledge economy and society."

Ján Figel, July 5, 2005 European Commissioner for Education, Training, Culture and Multilingualism

"The challenge is how to empower everyone to travel the global information highway – through access, tools, and knowledge."

Mohamed Muhsin, March 16, 2005

Vice President & Chief Information Officer World Bank



Technology Skills Gap Hampers Service Delivery and Productivity

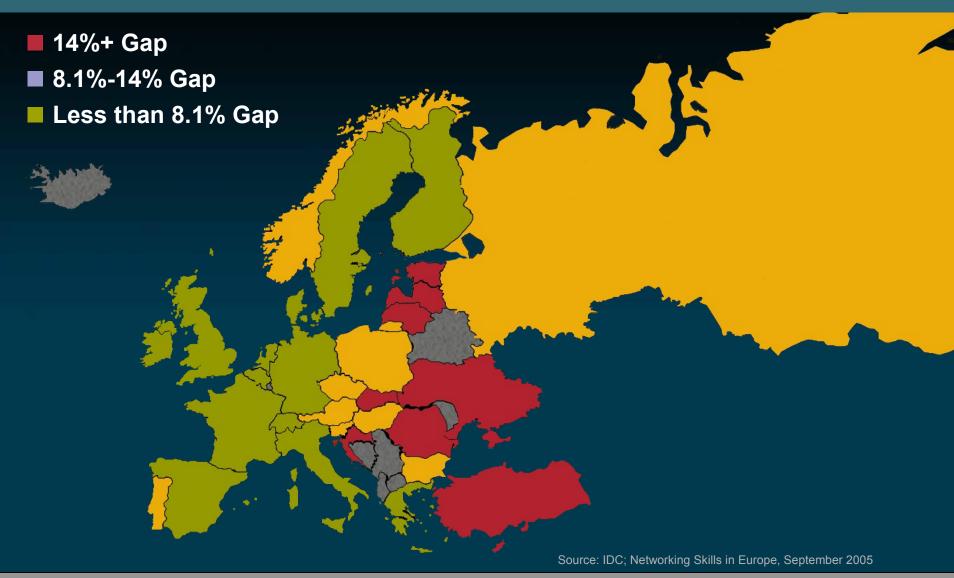
IDC Survey on Networking Skills

• Innovation and creativity need good people usiness and government ClOs

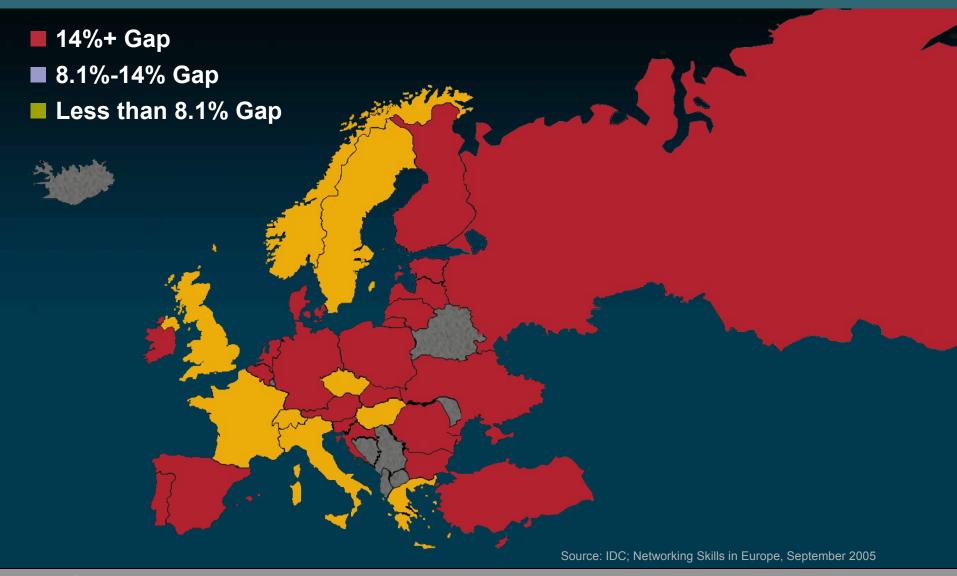
31 countries in Western and Eastern Europe

- Skills are the bedrock of any eStrategy
- People need to understand technology to deploy and use it

The Advanced Technology Skills Gap Geographic Picture in 2005



The Advanced Technology Skills Gap Geographic Picture in 2008

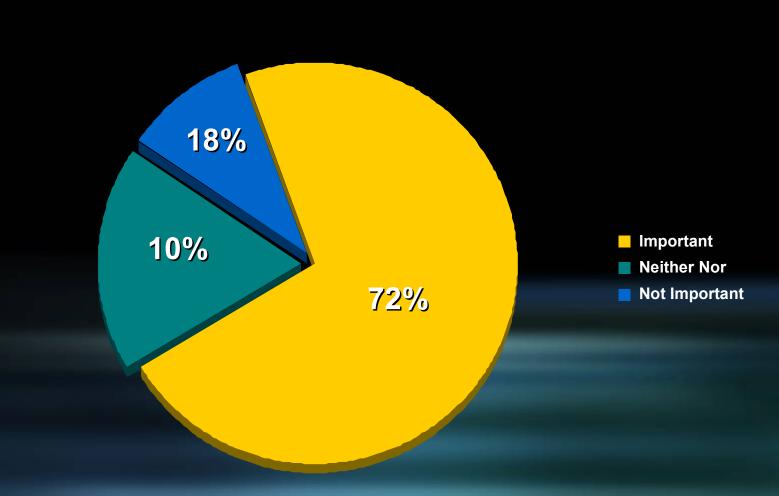


Top Line Results for Slovakias

- Advanced networking skills* gap rises from 14% in 2005
 to 18% in 2008
- Gap for security skills is 20% in 2008
- ~5000 skilled people required by 2008 to fill total skills gap
- In 2005 Slovakia ranks number 23 out of all 31 countries covered by the study.

*Note for the purpose of this study advanced technology networking skills are those relating to wireless, security and IP telephony

Importance of Certification – All Regions



Similar Findings by Vertical and Company Size

Industry and Public Sector have to work together

- Encourage Public Private Partnerships
- Recognize and integrate industry curricula and certifications
- Provide Public Funding for life long learning
- Leverage Internet technologies

Partnership between Cisco and educational institutions



Cisco provides

Curriculum

Training

Equipment

Virtual Community



Schools Provide

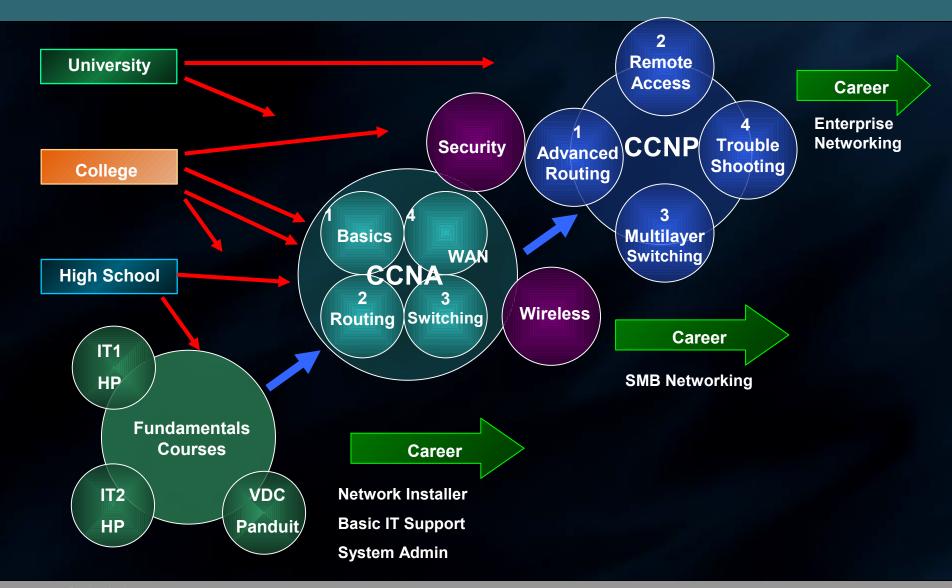
Space

Teachers

Students

Curriculum Integration

1220 hours of teaching and laboratory exercises



Cisco Networking Academy Program: Global - Impact Since 1997

As of November 2005

COUNTRIES WORLDWIDE

155 +

STUDENTS WORLDWIDE

1.8 Million +

ACADEMIES WORLDWIDE

11,000 +



INSTRUCTORS WORLDWIDE

32,000 +

TOTAL EXAMS TAKEN

46 Million +

LANGUAGES

9

Networking Academy Program in Slovakia



Partnerships Worldwide



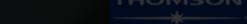












MoU with Government of Slovakia since 2001



Implementation of the Program in Slovak Republic National Education System

Partnership with Slovak Savings Bank ...
Sponsored purchase of 16 computer labs in 2002







Skills equal productivity

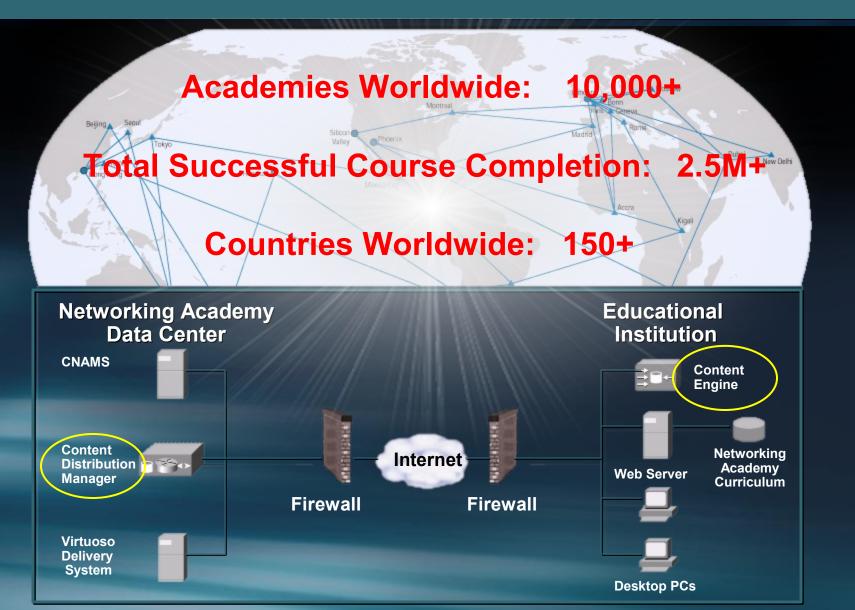
- ICT Skills... bedrock for productivity and competitiveness
- Skills gaps persits
- Advanced networking skills ... more courses, more students
- Market positive about vendor certification
- 18% demand and supply gap in 2008 for skills in wireless, security and IPT in Slovakia
- Training in networking is about careers, job creation, providing a base for productivity improvement







One of the Most Powerful e-Learning Platforms in the World



A Global Model for Educational Content Delivery



Hungary
5,400 Schools Networked + 1,900 Local Government
Sites Connected



Spain
E-Learning for 3,500 schools in Catalunya to improve teaching + use of video



Scotland
Every pre-school, primary and secondary school in Scotland connected (+ 3000 schools).



Jordan
Blended learning for primary teachers and students in
Arabic and English. 100 schools piloting the initiative

Enabling Transformation Increasing Citizen Satisfaction

European Governments understand impact of ICT ... Lisbon, i2010

Net Impact: Process change and technology implementation together

Access to all ... world-class broadband infrastructure should be a corner stone of our ICT policies

Skills are the bedrock of any eStrategy

Sharing best practice... we have much to teach each other

Cisco Systems aspires to be your partner and advisor







