Government of Romania

Romanian ICT achievements

Presented by
Mr. Zoltán SOMODI
State Secretary for IT
Ministry of Communications and Information Technology

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Structure of the presentation

Part I. The Romanian ICT Market – where do we stand?

Part II. Policies and projects

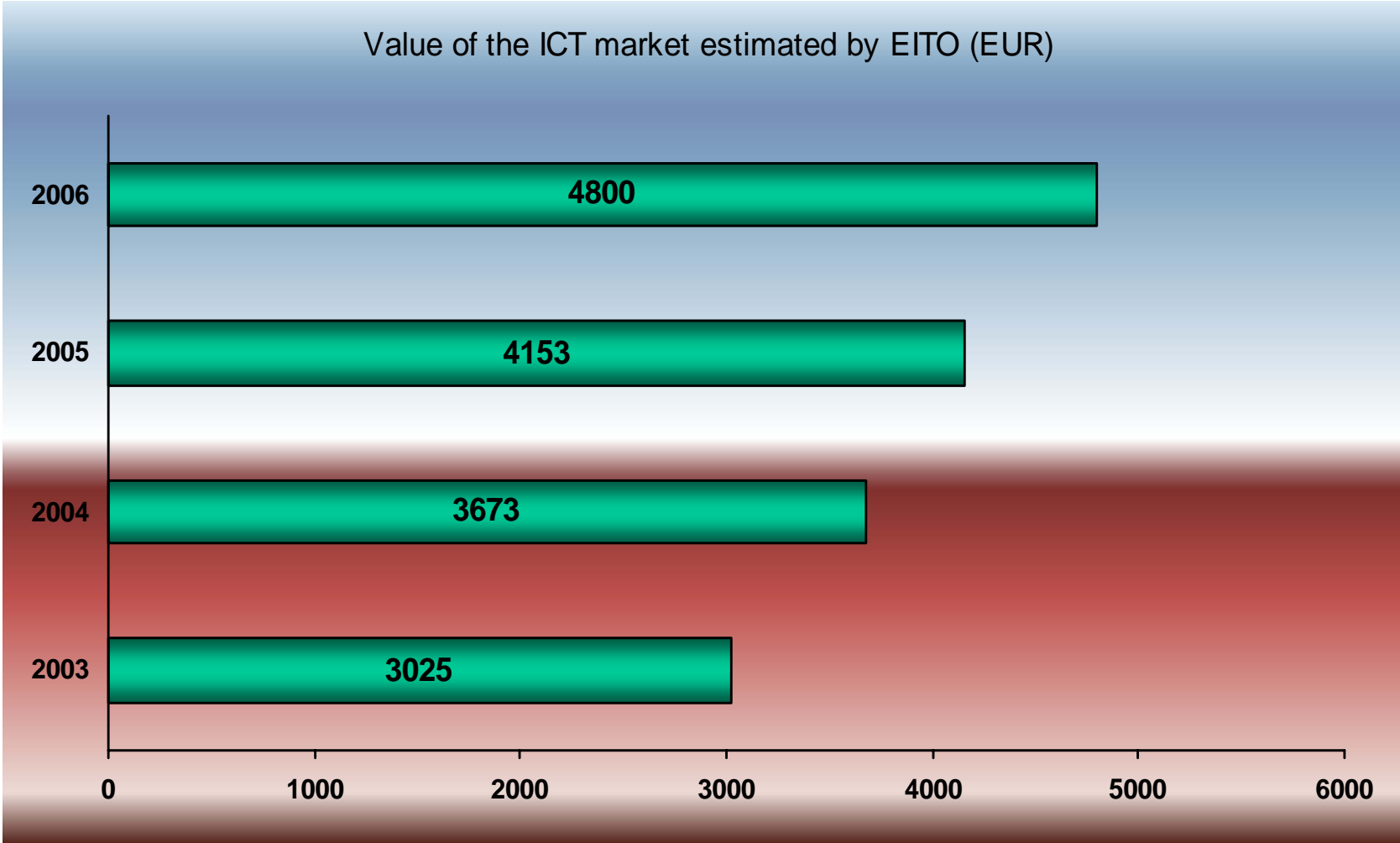   **A.** Communications

    B. Information Techology

The Romanian ICT Market – where do we stand?
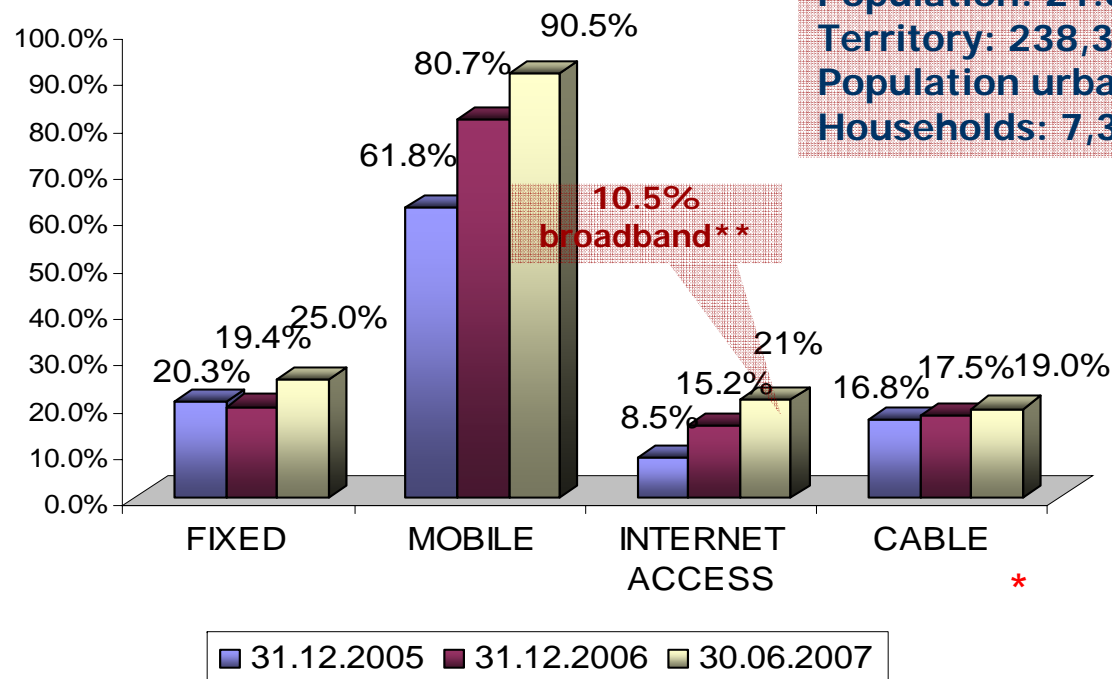
Romanian ICT market

Value of the ICT market estimated by EITO (EUR)

Year	Value
2006	4800
2005	4153
2004	3673
2003	3025

0   1000   2000   3000   4000   5000   6000

Romanian electronic communications market 2007: Snapshot in figures

Penetration rates/100 inhabitants of the main electronic communications services and infrastructures
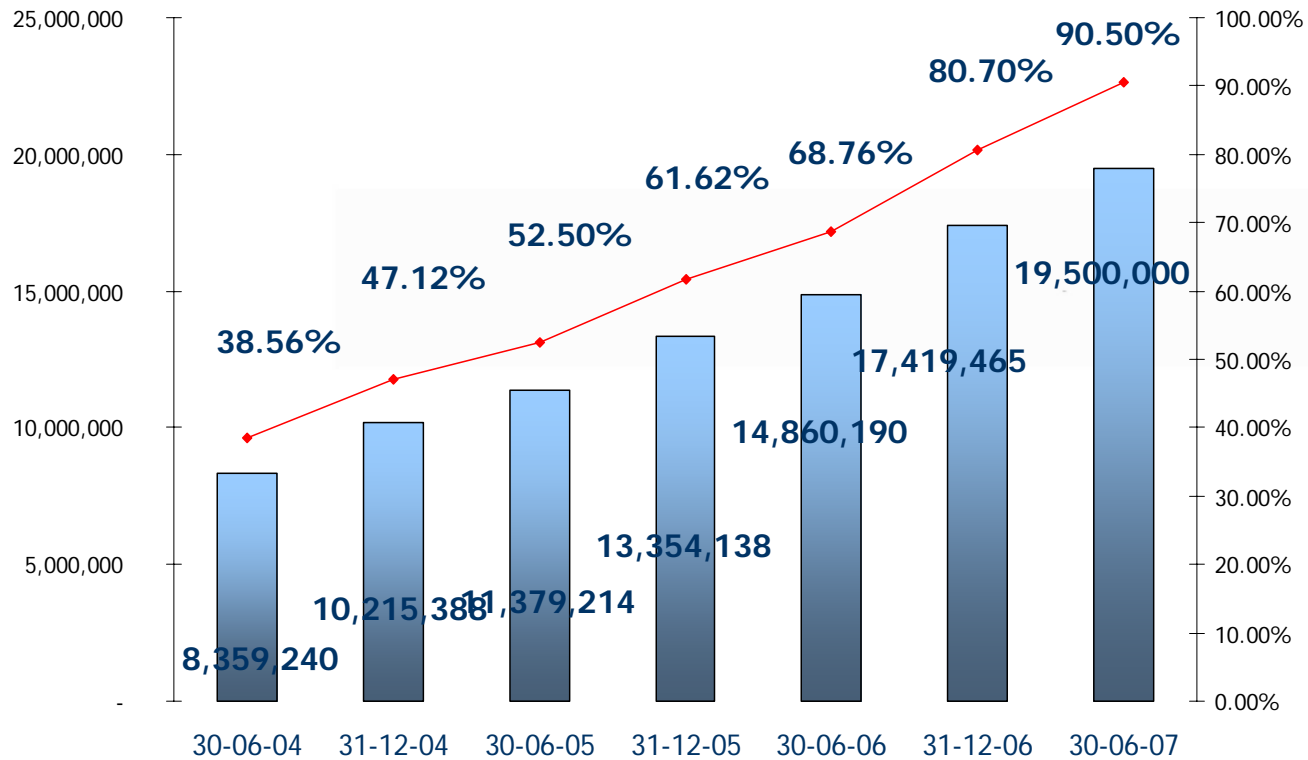
Population: 21.6 million (2007)
Territory: 238,391 sq km
Population urban/rural: 55.2/44.8%
Households: 7,320,202

10.5% broadband**

Category	31.12.2005	31.12.2006	30.06.2007
FIXED	20.3%	19.4%	25.0%
MOBILE	61.8%	80.7%	90.5%
INTERNET ACCESS	8.5%	15.2%	21%
CABLE *	16.8%	17.5%	19.0%

■ 31.12.2005 ■ 31.12.2006 ■ 30.06.2007

* Preliminary data
** Broadband includes fixed and mobile access of at least 128 kbps speed

Mobile telephony – 31% more users than in June 2006

Annual penetration rate increased by 31 %

Chart data:

Date	mobile telephony users	mobile telephony penetration per 100 inhabitants
30-06-04	8,359,240	38.56%
31-12-04	10,215,388	47.12%
30-06-05	11,379,214	52.50%
31-12-05	13,354,138	61.62%
30-06-06	14,860,190	68.76%
31-12-06	17,419,465	80.70%
30-06-07	19,500,000	90.50%

■ mobile telephony users

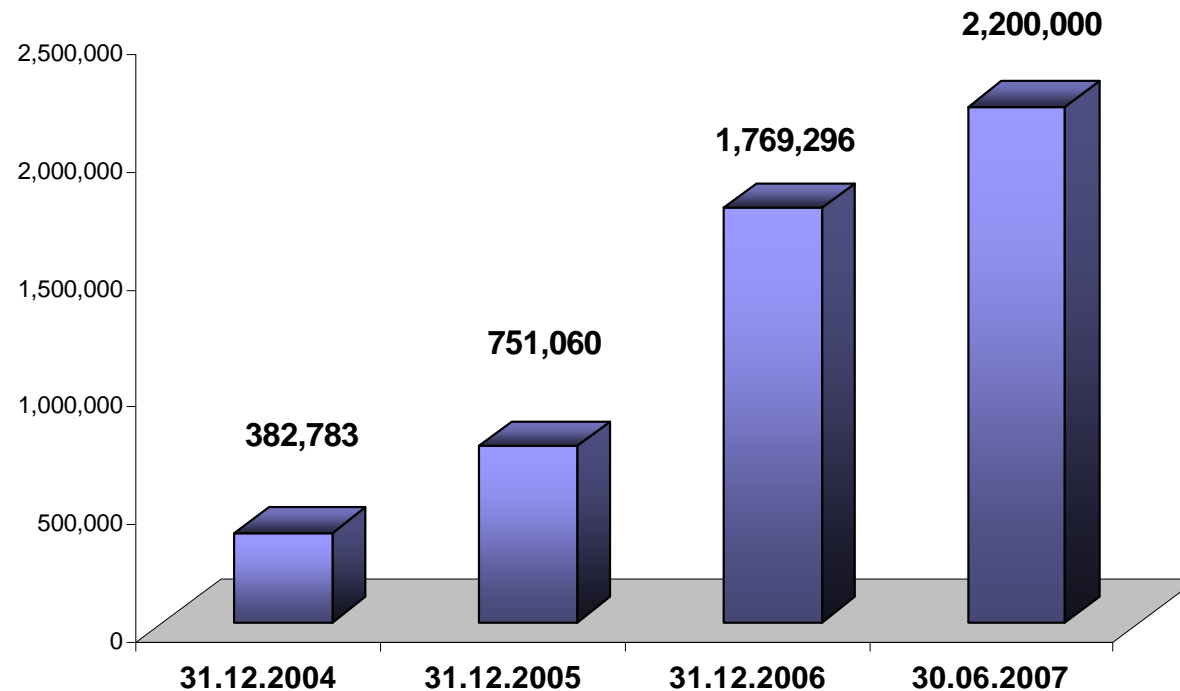◆ mobile telephony penetration per 100 inhabitants

Source: ANRCTI, according to the statistical data reported by the providers of electronic communications networks and services; penetration rate has been calculated as a percentage of the total population.

Broadband – leading segment of market growth

Penetration rate of broadband Internet access in ROMANIA has reached

10.5%

June 2006 - June 2007: **90,4%** growth rate of broadband Internet connections

Source: ANRCTI, according to the statistical data reported by the providers of electronic communications networks and services; penetration rate is calculated as a percentage of the total population; broadband Internet access connections include mobile and fixed access connections with a connection speed of at least 128 kbps.

Policies and projects in the field of

A. Communications
B. Information Technology

Developing broadband services

PLC – A Viable Technical Solution for the Rural Areas

- Considering the specific conditions from Romania, MCTI established the identification and the implementation of the best technologies for providing communications services in the rural areas as one of the main objectives

- In December 2005, the feasibility study for implementing the PLC technology has been finalized

- During the period Feb.-Aug. 2006, the PLC pilot project functioned in the village Band, Mures County

- An impact study followed the pilot project, which revealed the opportunity of implementing the PLC technology in certain conditions

- The implementation process will start in 2007

Developing broadband services

"Leave your mark on the net" Campaign

- The target of this campaign is to increase the penetration rate of using the internet among population from 28% to 33% until the end of 2007, meaning approximately 7 million of internet users.

- The first 2 stages consisted in offering free-access internet areas: the MCTI caravan and the mobile informatics lab. The 3rd stage, Free Wireless Internet, consists in providing hotspots in public areas, where the population can have free access to a flexible mobile internet service.

  "Hotspots in Public Areas for Internet Services to the Citizens" is an extension of the MCIT initiative „Leave your mark on the net!". We now have **3 highspeed hotspots** in Romania; the technical characteristics of the outfits and the bandwidth allow a simultaneous access to Internet services by more than 30 users.

The Implementation of BWA Systems

- **The strategic document on the implementation of the BWA Systems has been elaborated. The stages for the reorganization of the spectrum usage are:**

- **One national license will be put up to auction in bands 3410 – 3600 MHz in the first quarter of 2008;**

- **Three licenses of minimum 2 x 25 MHz in bands 3600 -3800 MHz will be put to auction;**

- **There will be taken into consideration the deregulation trend with a view to the technologic neutrality;**

- **The personalization of the content will be encouraged, in correlation with the transition from the passive to the interactive usage.**

Romania

Knowledge Based Economy Project

Project management

- Coordinator: Ministry of Communication & IT
- Partners:
  - Ministry of Education
  - Ministry of Administration and Interior Affairs
  - Ministry of Culture
  - National Agency for SMEs
- Buget: 69,4 mil. USD
  - 60 mil. USD – World Bank loan
  - 9,4 mil. USD – Romanian Government

Public Library

Public Administration

Citizens

Local Community Electronic Network

Private Entrepreneurs

Local NGOs

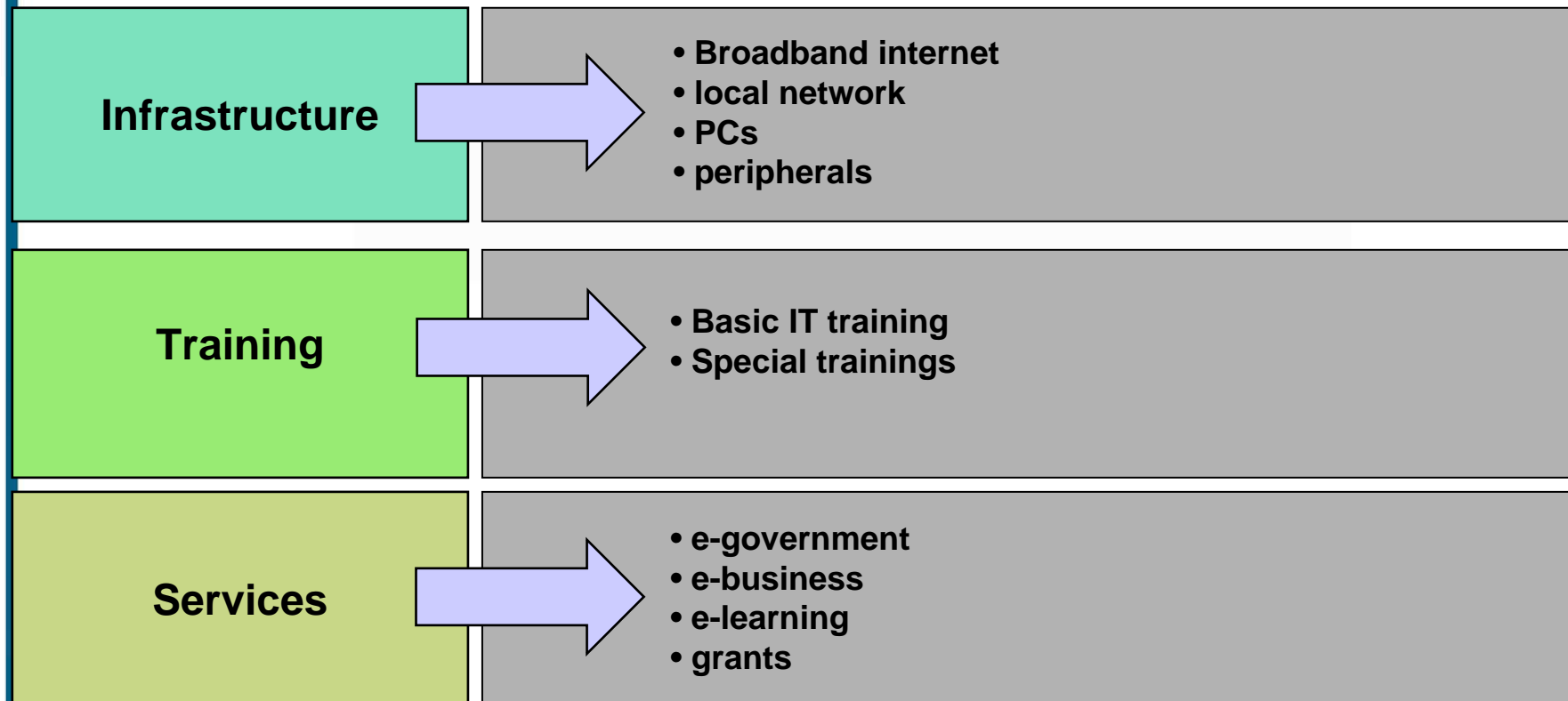**School**

Three-layer approach

Infrastructure →
- Broadband internet
- local network
- PCs
- peripherals

Training →
- Basic IT training
- Special trainings

Services →
- e-government
- e-business
- e-learning
- grants

The Project in numbers

- 260 communities (9 in pilot-phase)
- 472 schools
- 1,740,000 citizens
  - 18% of total rural population

Thank you for your attention!

For further details, please visit:

www.mcti.ro

www.anrcti.ro