



# IPv6 in Turkey

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# ICT in Turkey

## ICT MARKETS IN TURKEY

	2001		2002		2003		2004		2005
	billion USD	%	billion USD	%	billion USD	%	billion USD	%	billion USD
Information Technology	2,25	+17.3	2,65	+9.0	2,87	+20.4	3,45	+14.2	3,95
Communication Technology	6,85	+9.8	7,52	+14.3	8,59	+37.5	11,82	+16.8	13,80
<b>Total</b>	<b>9,09</b>	<b>+11.6</b>	<b>10,15</b>	<b>+12.9</b>	<b>11,46</b>	<b>+33.2</b>	<b>15,27</b>	<b>+16.2</b>	<b>17,75</b>

# ICT in Turkey

- The Turkish ICT sector has maintained the growing trend of last years. In the last **5 years**, the information technology market reached a growth rate of **15 % annually** and of **75,9 % totally**. Also the communication technology market reached a growth rate of **20 % annually** and of **more than 100 % totally**.
- With nearly 72 million populations, Turkey is the second largest potential market in Europe. With more than 65% of the population under 40 year old level, Turkey is a dynamic base for all kind of ICT sectors' activity.
- Turkey also have started a big national project called « eTransformation Turkey » which aims to use information as the most valuable input in all fields of economic and social life.

# ICT in Turkey

- A liberalised market which is reaching the EU regulation standards
- As a candidate country has implemented in it's legislation the EU regulatory models:
  - a new Telecom Law has created the Telecommunications Authority in 2000 (law 4502)
  - and has privatised Türk Telekom.

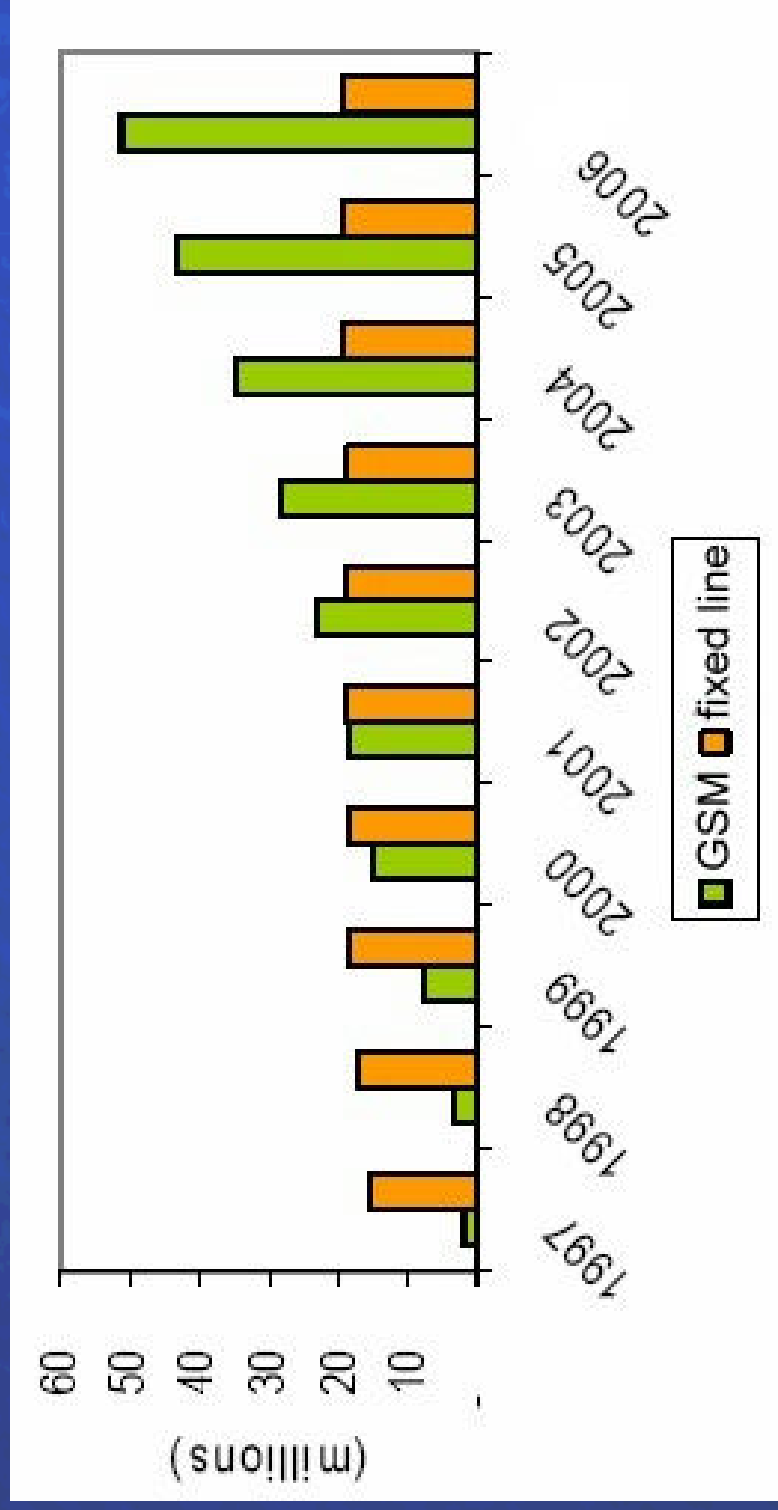


# ICT in Turkey

- The Telecommunications Authority ( TK [www.tk.gov.tr/Eng/english.htm](http://www.tk.gov.tr/Eng/english.htm)) is :
  - opening the market
  - transposition of EU Directives
  - TK is managing telecom operator licences, internet licences and has recently implemented the EU R&TTE Directive on terminals
- A New Communications Law like in EU is «in the legislative pipe»
- A New Mobile Phones Law, which is for preventing the trade and use of illegal (stolen, cloned or non-original) Mobile Phones similar in France, UK & Australia.

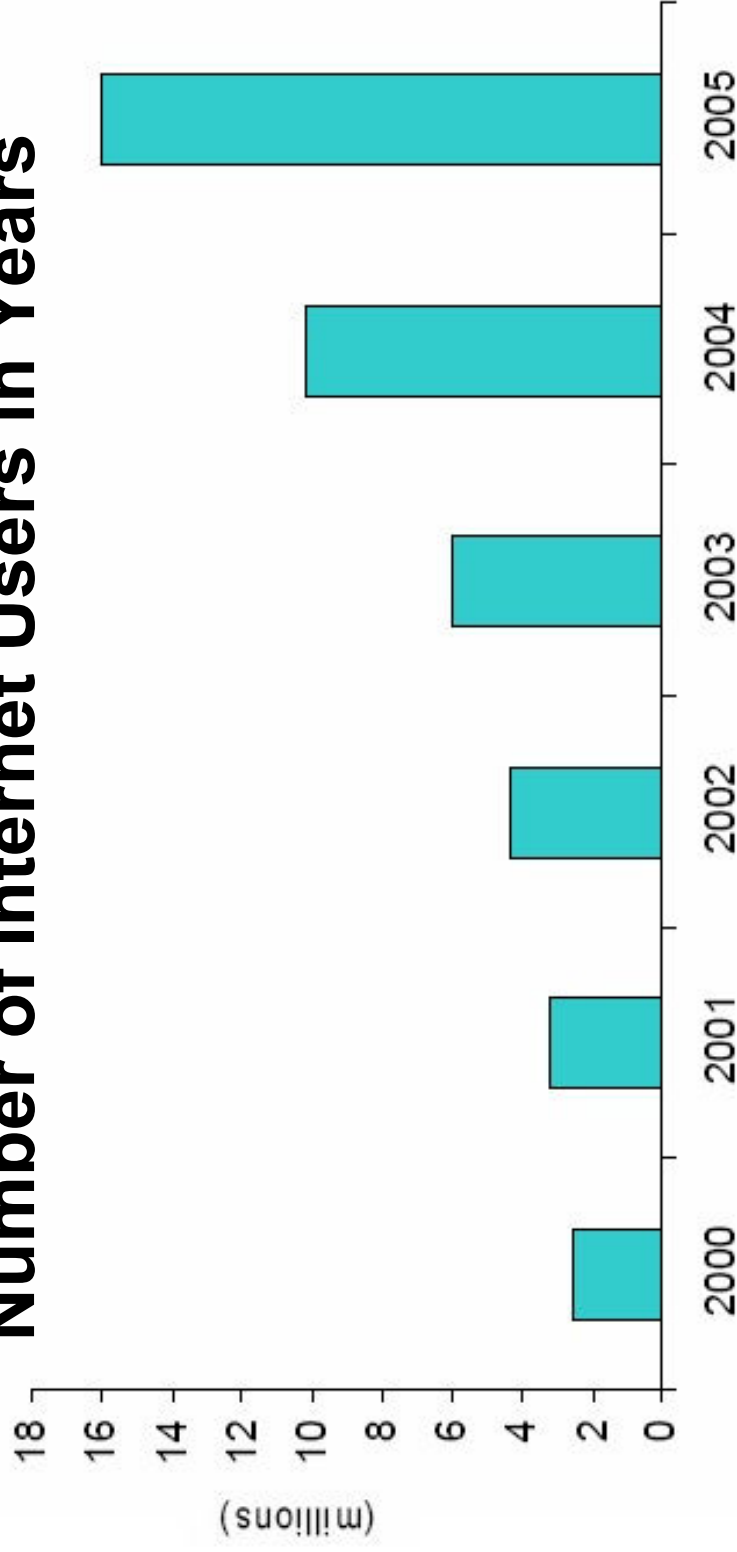
# ICT in Turkey

## Variation of Subscribers (GSM vs Fixed Line)



# ICT in Turkey

Number of Internet Users in Years



# IPv6 in Turkey

## ULAKBIM (National Academic Network and Information Center)

ULAKBIM (NREN of Turkey);

- Founded in 1996, as an institute of TUBITAK (The Scientific and Technological Research Council of Turkey, <http://www.ulakbim.gov.tr/eng/> )

Aims:

- To establish and operate a computer network enabling interaction within the institutional elements of national innovation system, and to provide information technologies support to help information production,
- To maintain the national research and education network (ULAKNET) interactive, high speed, open to new technologies in global standards, in national and international context.



# IPv6 in Turkey



## ULAKNET;

- Geant2 direct partner since 2005
  - STM-4 connection to Geant2
  - 2.5 Gbps connection to Commodity Internet
- > 500 connections to universities and public research institutes
- > 2 million users and > 80.000 researchers

# IPv6 in Turkey

## ULAKNET IPv6 Services;

- Using 2001:A98::/32 since 2003,
- Geant2 connection is IPv6 enabled since June, 2003.
- ULAKNET Backbone and services are IPv6 ready:



- WWW
- DNS
- FTP
- Rsync
- Web Caching
- E-mail

- IPv6 Task Force (to familiarize and gather researchers who are interested in development of IPv6)

# IPv6 in Turkey

- IPv6 Forum Turkey has been just founded.
- IPv6 Task Forces are preparing;

- Ulaknet task force -

<http://www.ipv6.org.tr/>

- North Cyprus task force,
- Azerbaijan task force,
- Turkmenistan task force



to work together with IPv6 Forum Turkey.

# Invitation for Türkiye IPv6 Worldwide Summit



is pleased to invite you and your company  
to attend the Türkiye IPv6 Worldwide Summit in  
Istanbul March-2007.

**Thank you.**

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