

# Status of the International Connectivity to Turkey

## DE-CIX İstanbul Summit

---

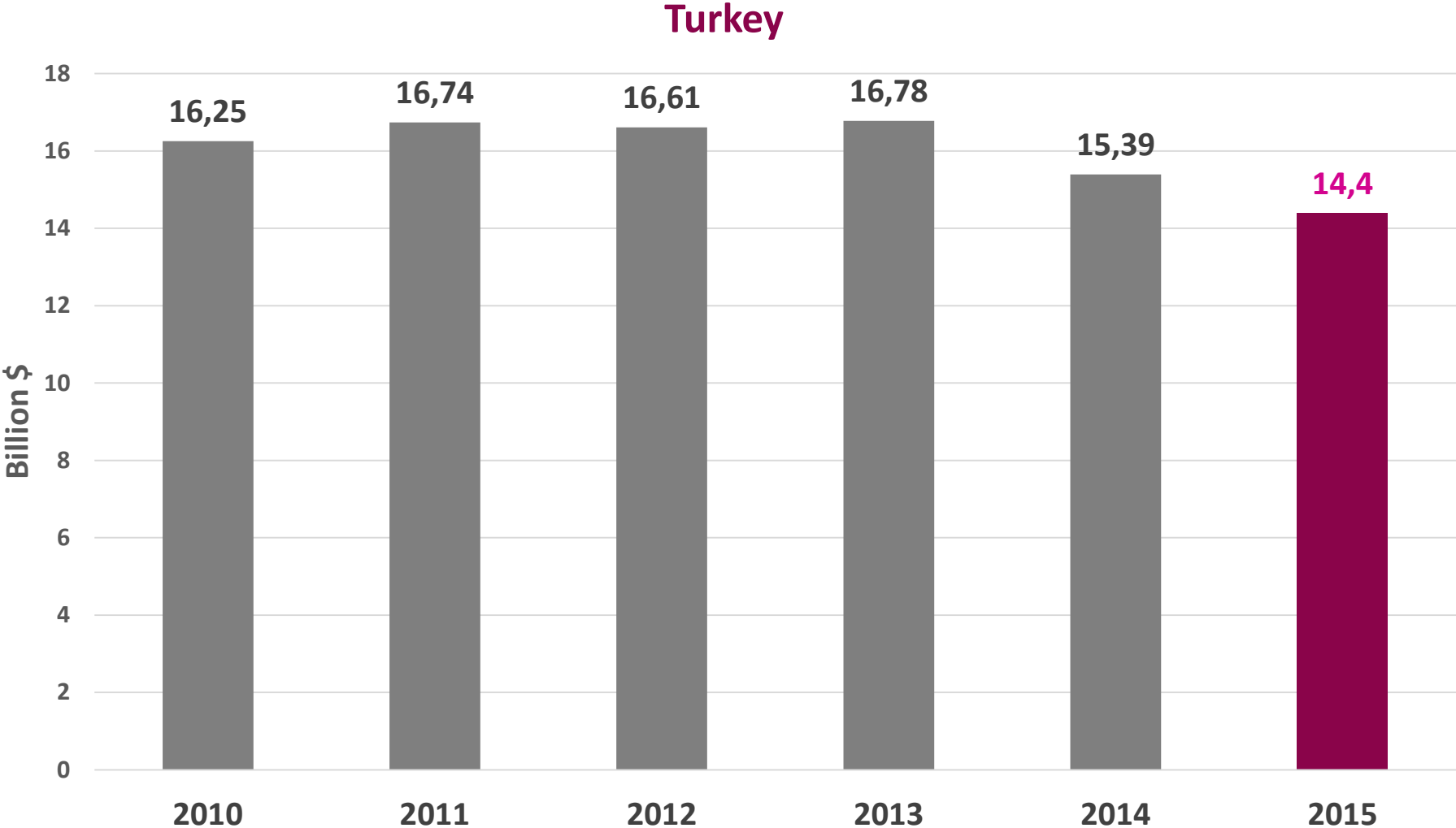
Yusuf Ata ARIAK

October 13, 2016

# Members of TELKODER

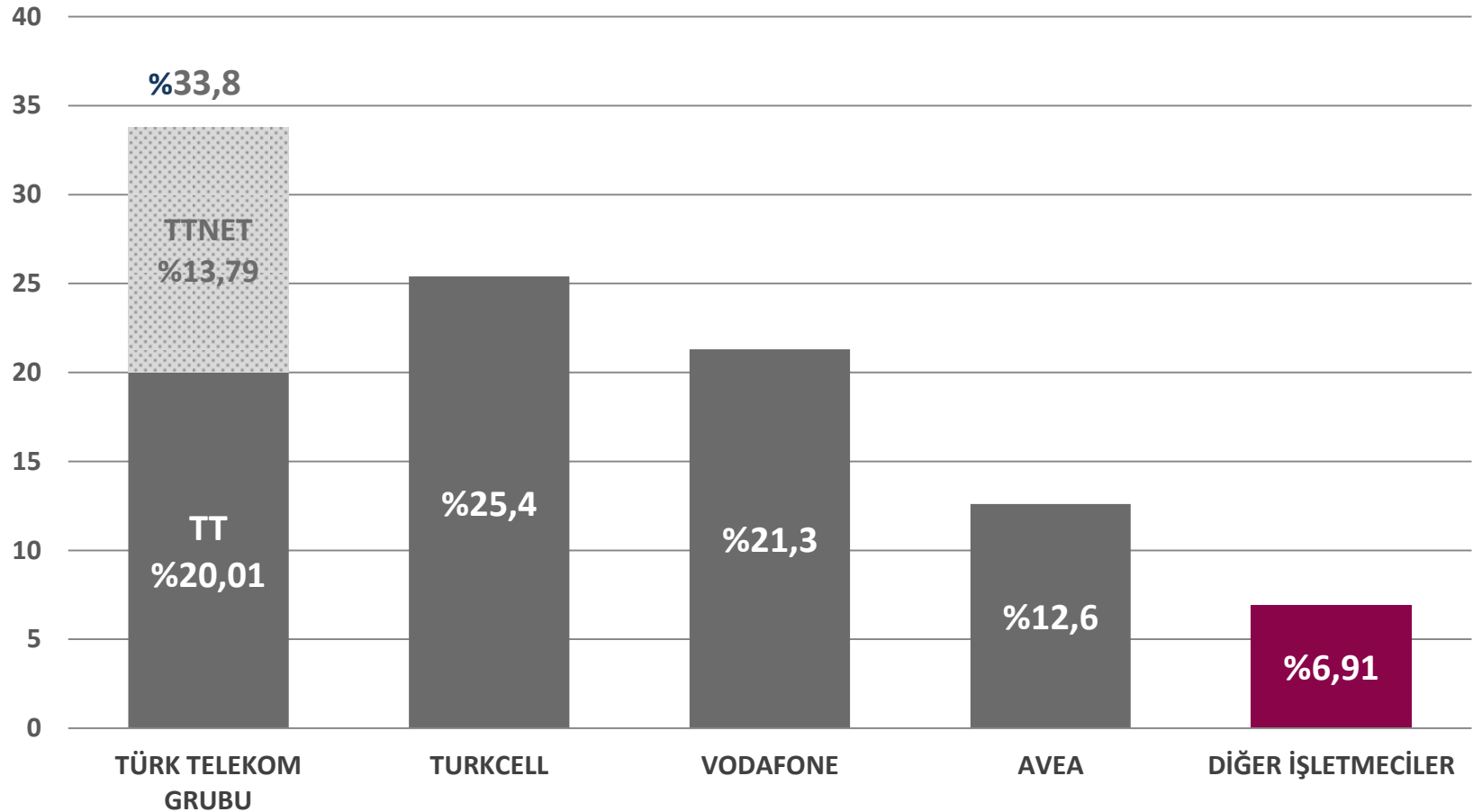


# Size of Turkish Electronic Communication Services



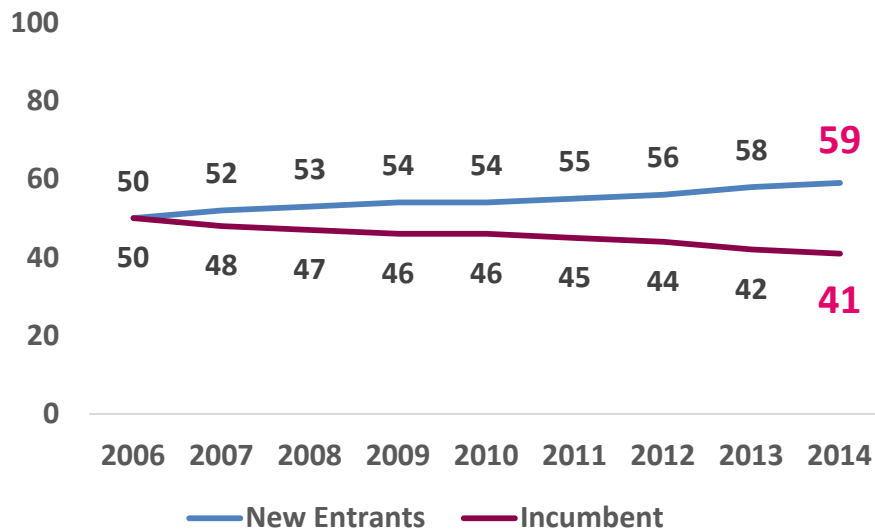
# Competition Level in Telecommunication Services

2015 (%)

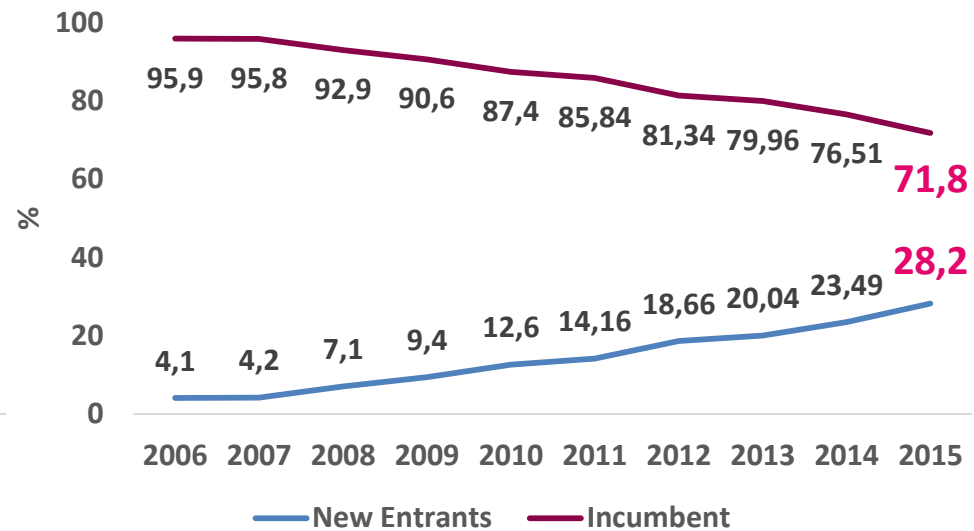


# Fixed Broadband Services-Market Shares of New Entrants

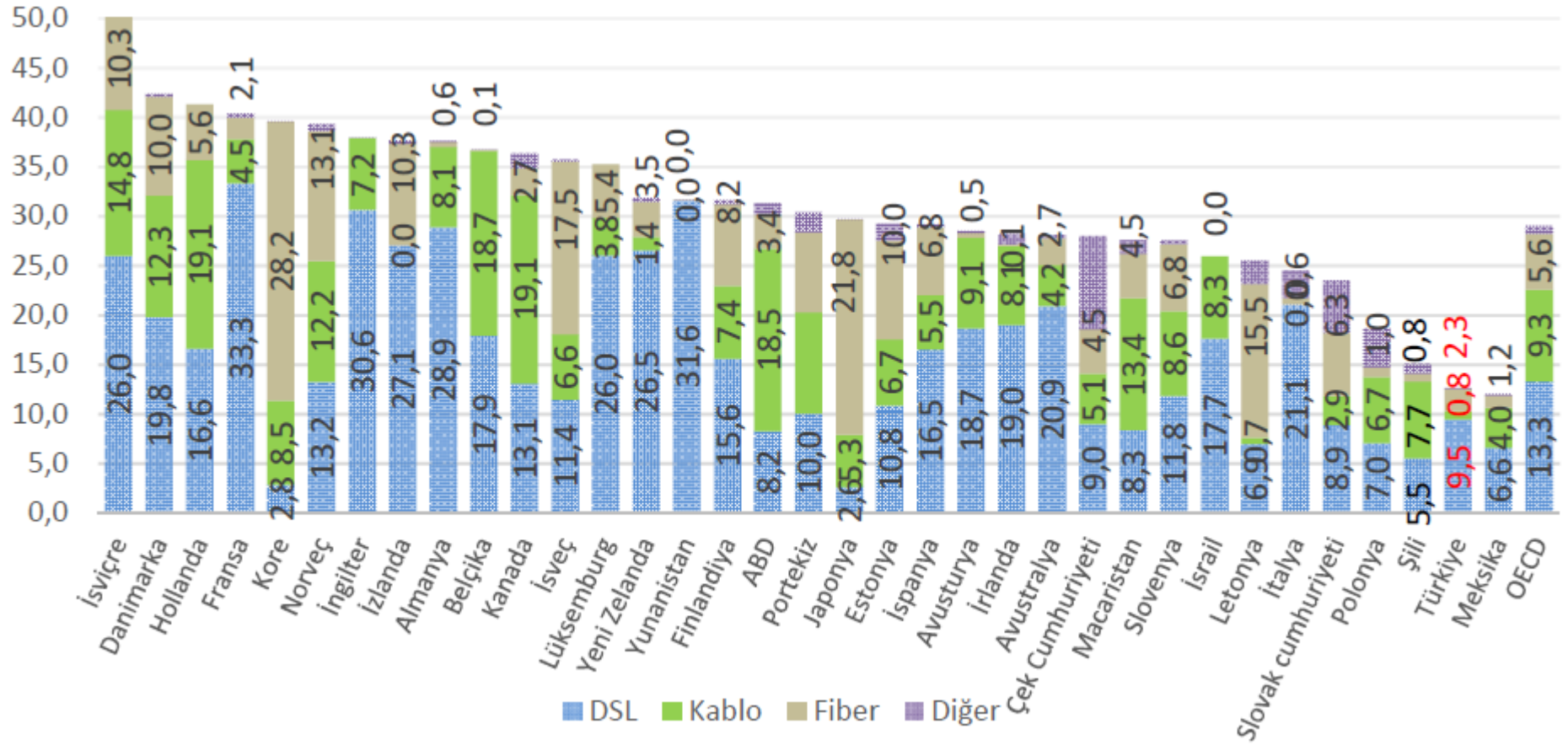
## EU



## Turkey



# Fixed Broadband Services-Penetration



# Status of the Existing Fiber Network in Turkey

Fiber Length in TURKEY (km)	2011	2012	2013	2014	2015	2016 Q2
Incumbent	150.120	167.921	181.973	192.671	211.528	218.802
New Entrants	38.835	42.364	45.440	52.176	56.592	58.956

Country	Area (km <sup>2</sup> )	Fiber Length (km)
Turkey	783.562	277.758
South Korea	100.210	574.000
Portugal	92.212	545.000

	South Korea Rate Fiber Length (km)	Portugal Rate Fiber Length (km)
Turkey	4.488.221	4.631.081

# Future Goals of Turkish Public Authorities about Fiber Network

**The following substances in the Final Declaration of 11. Transport, Maritime Affairs and Communications Council meetings are remarkable;**

- Size of the ICT sector will reach \$ 160 billion and this will constitute 10% of national income (2023).
- By 2035, Turkey will taking place in Europe's top 5 countries on Broadband Access.

**Information Society Strategy and Action Plan (2015-2018), prepared by the Ministry of Development, is aimed to be;**

- FTTH connections should reach 14 million in 2020.
- Each household in 2023, is planned to be provided at 100 Mbps broadband internet service.
- Information Technology market share should be 1.76% of the GDP in 2018 (~\$23 billion).



# Joint Infrastructure Company as a Solution...

---

One of the steps to be taken for the expansion of the Fiber Network is establishing the Joint Infrastructure Company in Turkey. By establishing a Joint Infrastructure Company;

- 1. Vertical integration would be prevented**
- 2. Effective competition would be gained**
- 3. Investment would be carried by effective use of resources**

According to the calculations of the Ministry of Maritime Transport and Communications, without a Joint Infrastructure Company, operators would need to invest \$ 16 billion. By the establishment of Joint Infrastructure Company, investment amount can be reduced to \$ 4-5 billion.

# Improving International Connectivity **in&to** Turkey?

In order to improve international connectivity **to** Turkey, as a first step we should improve connectivity **in** Turkey;

- **Barriers to competition should be prevented**
  - Wholesale products should be identified as a cost-based fees
  - Wholesale pricing regime should be based on usage (port-transmission method)
- **Fiber infrastructure should roll-out rapidly and widespread**
  - Rights of Way regulation should be renewed and should be determined as a right not an obligation. Also, municipalities should not lead any discrimination between operators.
  - Facility Sharing should become operational.
- **Joint Infrastructure Company should be established**

# Thank You

[www.telkoder.org.tr](http://www.telkoder.org.tr)

---

Yusuf Ata ARIAK

October 13, 2016