



# SMART BEYOGLU ISTANBUL/TURKET

Prof. Dr. Türksel KAYA BENSGHIR

[tbensghir@gmail.com](mailto:tbensghir@gmail.com)

# Smartcity Conceptual Frame

- A smart city is the integration of the digital technologies into a strategic approach to sustainable development.
- Sustainable urban development requires to upgrade existing cities to live more smart way.

# Need for Smart City

- BY 2030, %60 of the world population is expected to live in cities results in heavy strain on:
  - Energy
  - Transportation
  - Water
  - Building
  - Public spaces.



# Need for Smart City

- Increasing need is being felt for smart city both efficient and sustainable economic prosperity and social well being.



# The pillars of the smart city

- Governance and Inclusions
- Better Life
- Mobility
- Sustainable environment
- Smart Economy
- Smart People

# Outlook to Turkish Government Digitization Transform

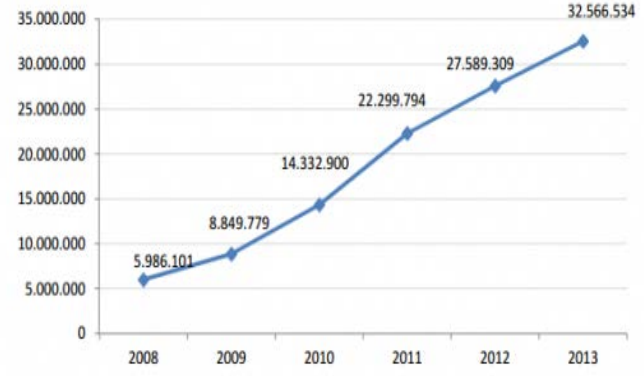


# About Turkey

Capital	<a href="#">Ankara</a> <a href="#">39°55'N 32°50'E</a>
Largest city	<a href="#">Istanbul</a> <a href="#">41°1'N 28°57'E</a>

Population 79,51 milyon (2016)

Şekil 3-1 Genişbant İnternet Abone Sayısı<sup>12</sup>

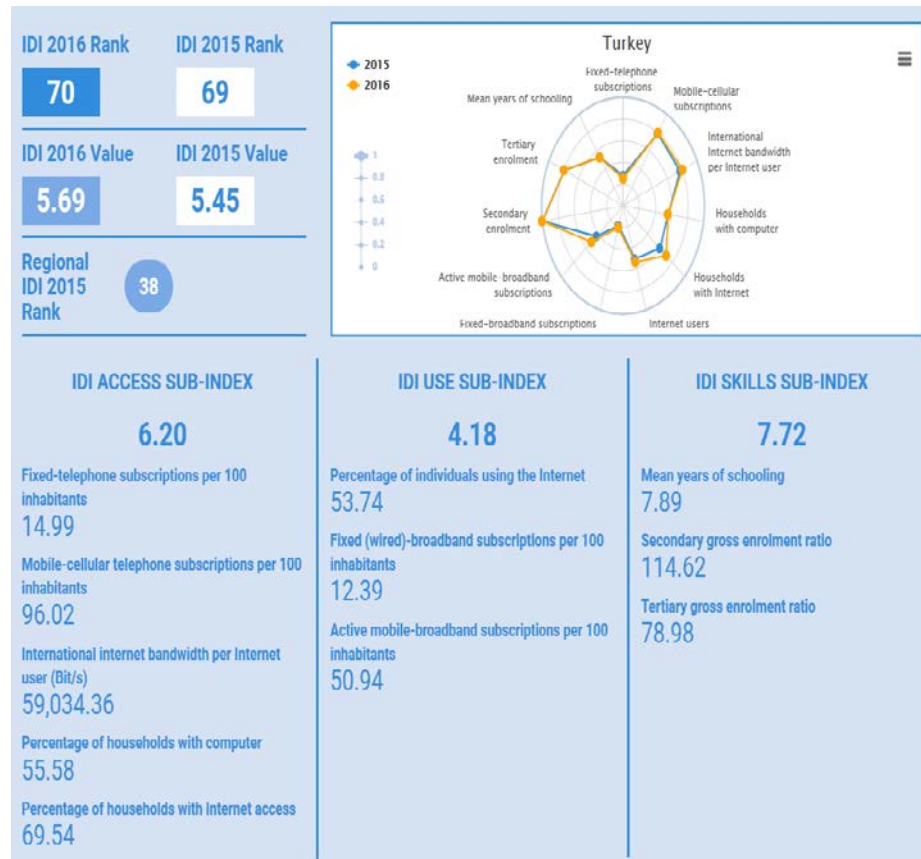


The percentage of individuals using the internet: 58,35 (2016, ITU)  
Proportion of households with Internet access at home: 76,3 (2016, ITU)  
The number of Facebook subscribers 56 million (July. 2017, Statistica)  
With almost 80 million population and 47% of it being between the ages of 15-45 (active users of technology and social media)

# ICT DEVELOPMENT INDEX 2016

## by ITU, 2016

Turkey: 70 ranked  
out of 175





# UN- Egov Index, Turkey

<https://publicadministration.un.org/egovkb/en-us/Data/Country-Information/id/176-Turkey>

## Turkey

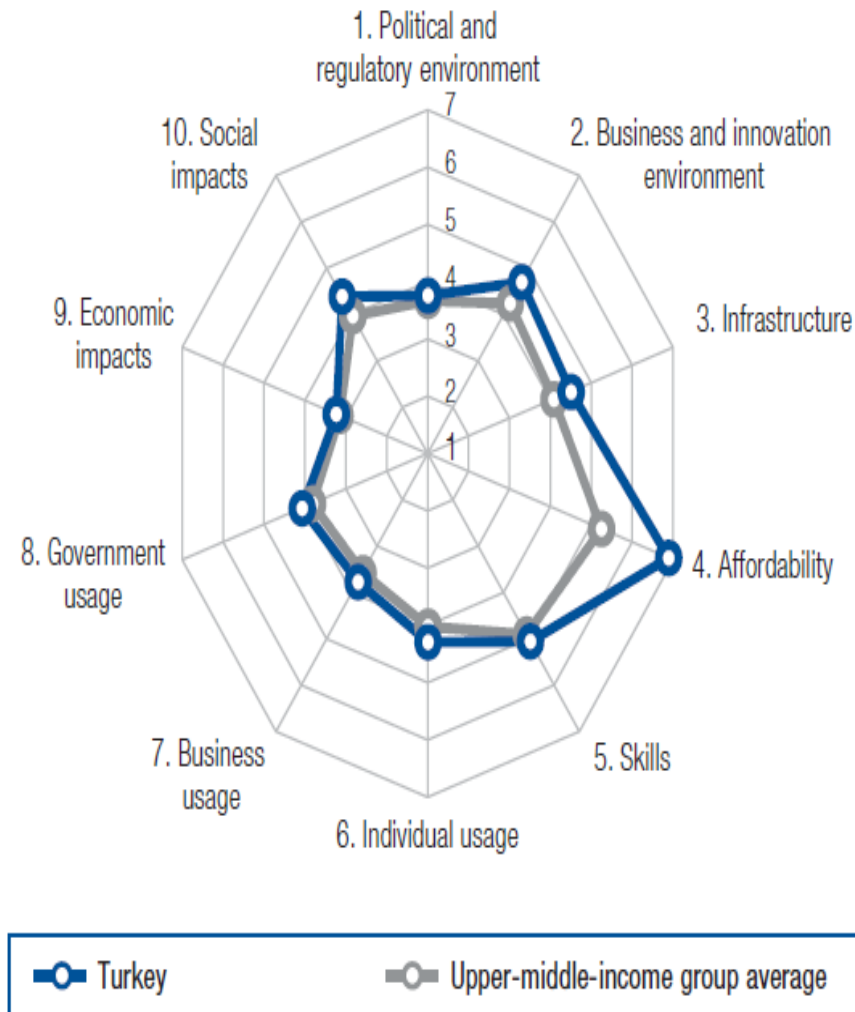
Website	National Portal
Region	Asia
Sub-Region	Western Asia
Income *	Upper middle income
Income Value	10,830 USD, GNI per capita
Population	72,137,546
E-Government Development Index	0.5900 Rank 68 of 193
E-Participation Index	0.6271 Rank 60 of 193

\* Income data refer to World Bank classification

# NETWORKED READINESS INDEX 2016

*by WEF*

- Turkey:  
48 out of 139



# Smart City Policies in Turkey

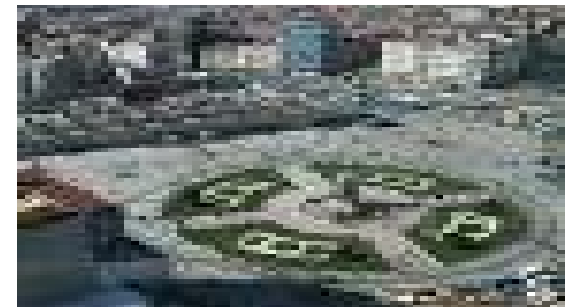
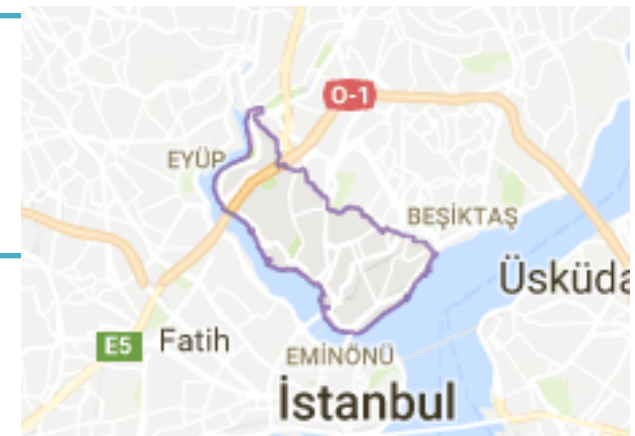
- Since 2000 in Turkey, some targets about smart cities have been placed in
  - National 10. Development Plan and Annual Programs and related strategy documents
  - National Science and Technology Policies 2003-2023
  - Strategy Document-Vision 2023,
  - Information Society Strategy and Action Plans (2015-2018)
    - Smart city program and Living lab. Initiative.

# IS infrastructure in Turkish Municipalities for Smart City

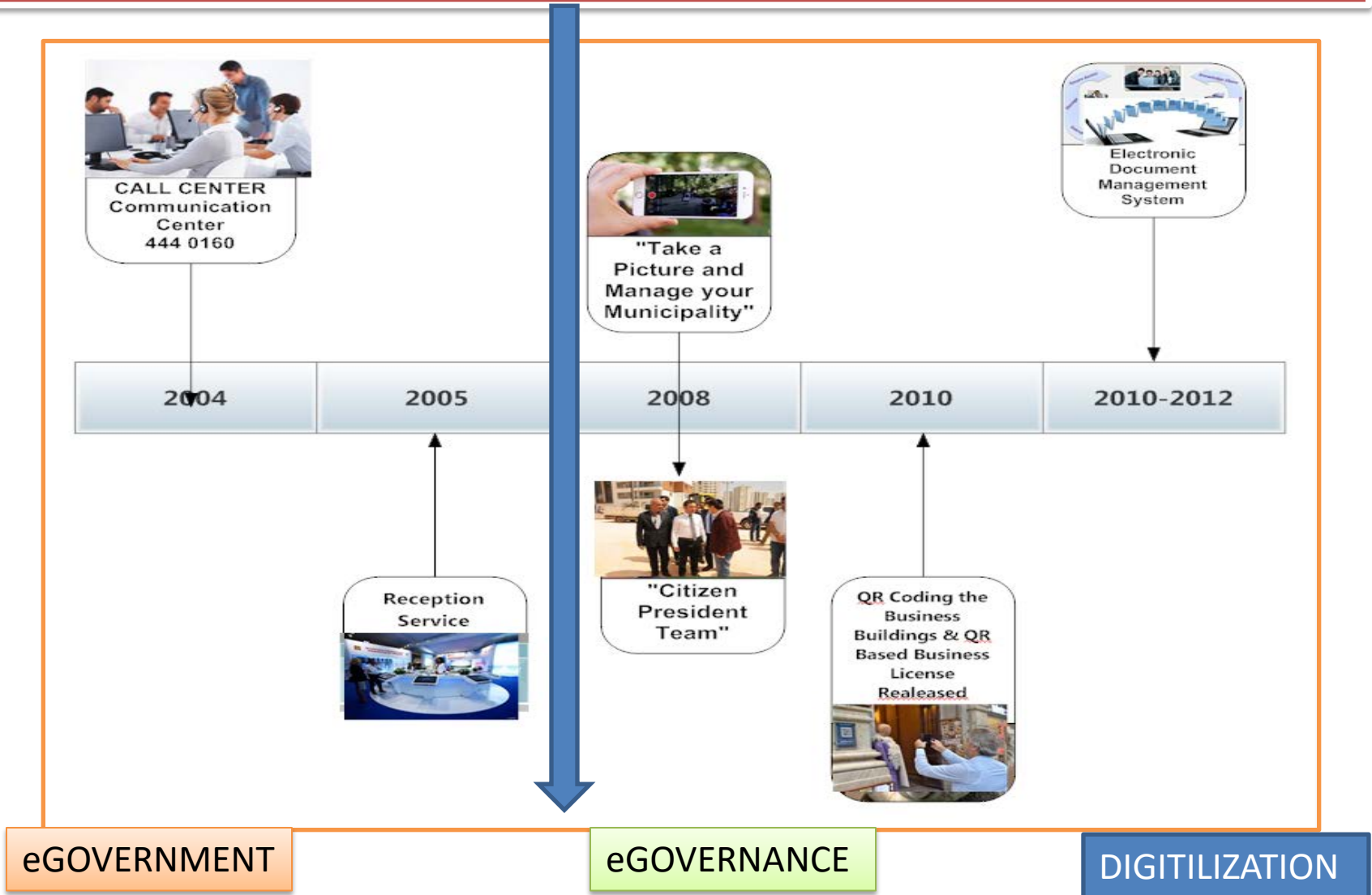
- AKOS (Intelligent Cities Automation System)
- MIS (Management Information System),
- GIS (Geographic Information System)
- Mobile applications and citizen-focused interactive applications
- ...

# Background: Beyoğlu

- Beyoğlu is a metropolitan district of Turkey that, people from all over the world cannot renounce to see, discover, living through 24 hours a day.
- Despite the fact that the population living in Beyoğlu is 250.000, there is a daily human circulation of 2 million people in winter and 3 million people in summer.
- It is a living city with more than 20.000 cafés, restaurants, shops, theaters, cinemas and concert halls.

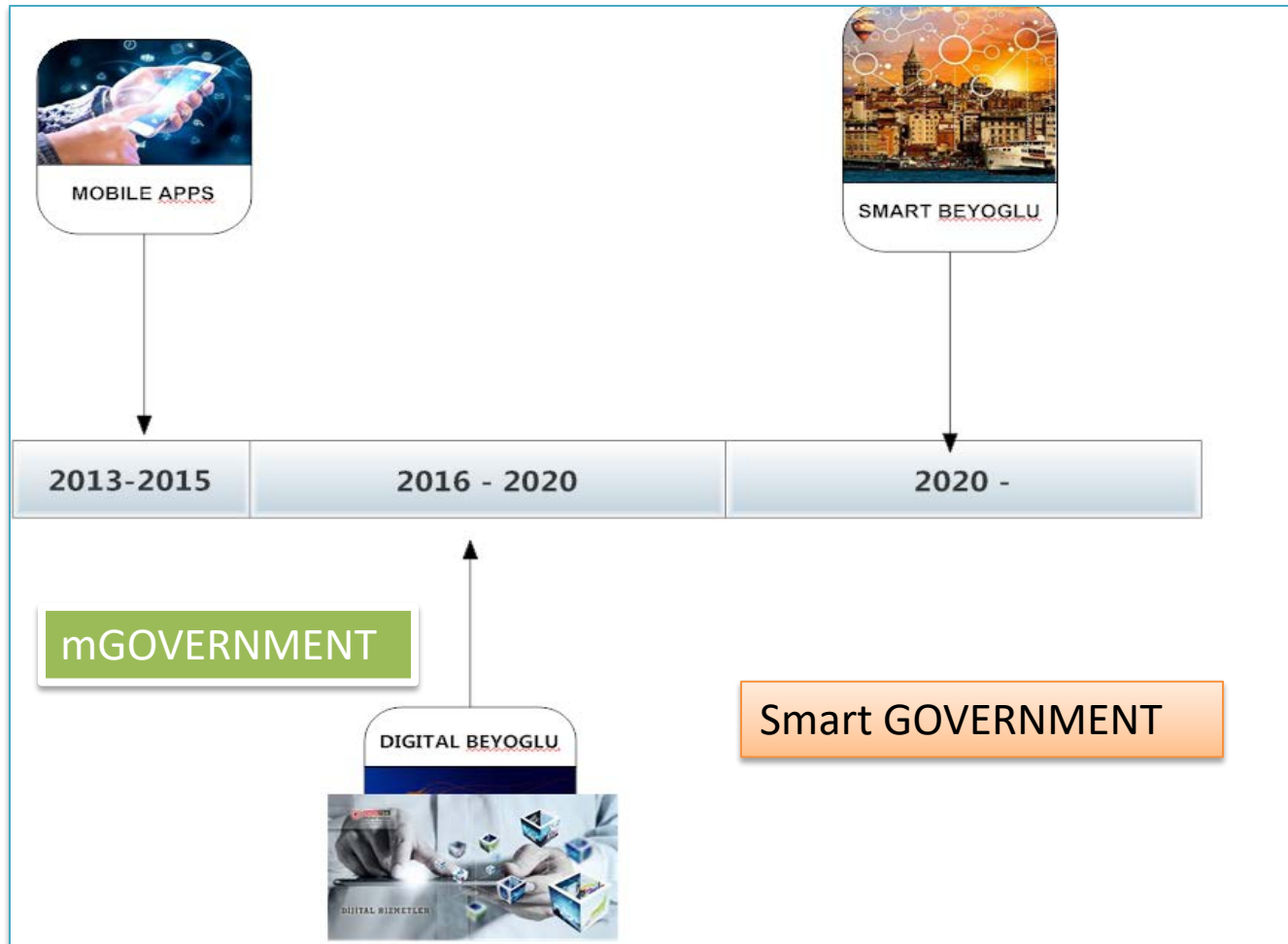


# TIMELINE of SMART BEYOGLU-1



Prof. Dr. Türksel KAYA BENSĞİR

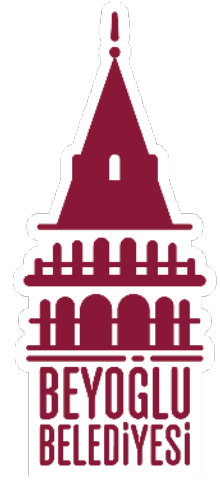
# TIMELINE of SMART BEYOGLU-2



We would like to invite all of you  
to participate and collaborate with  
us to built smartcity future



Thank you...



# Smart Beyoglu Municipality Applications