



EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:
ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES
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HOW TO BUILD AN IDEAL PROPERTY INFORMATION SYSTEM

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PROPERTY INFORMATION SYSTEM (PIS)

- ✿ The Property Information System is a parcel – based Information System.
- ✿ Cadastral works as technical and title works as legal.

LAND REGISTRY

WHO IS ?

HOW ?

.....?



CADASTRE

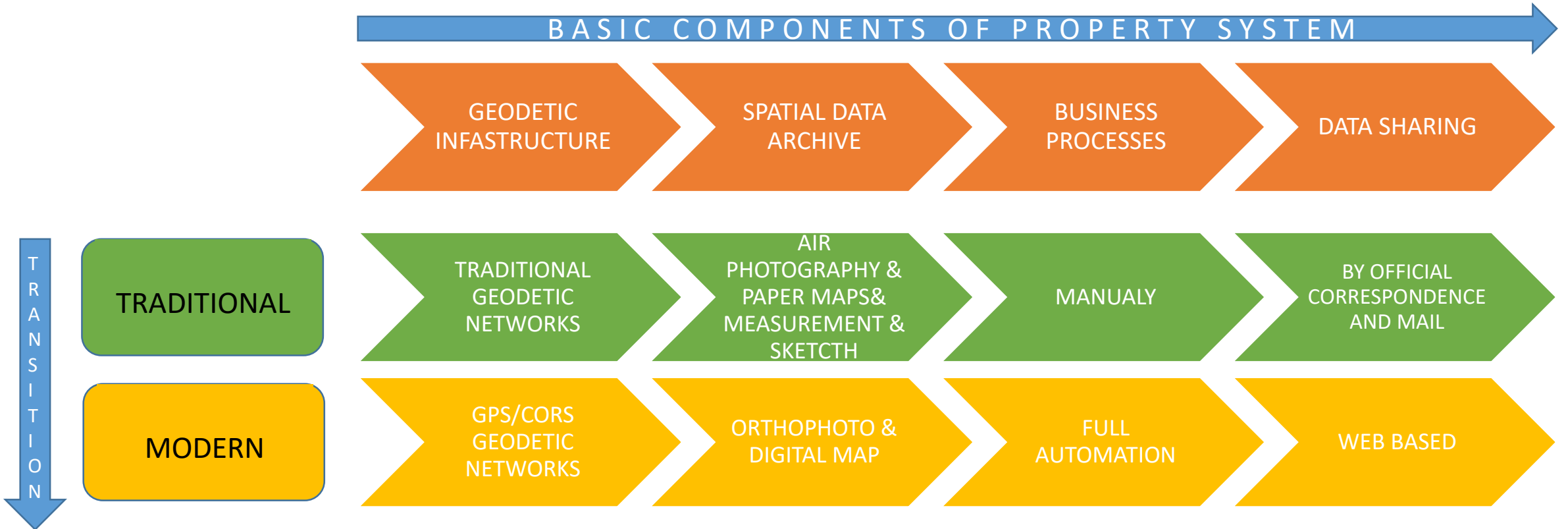
WHERE.....?

HOW MUCH....?

.....?



PROCESS FOR BUILDING PIS





TURKEY'S PROPERTY INFORMATION SYSTEM (TPIS)

- Turkey's Property System has a very old history. (1847-1924- 1990-2003)
- The general evaluation of the TPIS
 - Land registry automation is fully implemented, Cadastre automation is technically provided but partially implemented
 - Current ownership data can be presented dynamically to stakeholders

Kişi Sorgulama

Gerçek Kişi: Tüzel Kişi:

Ad: Soyad: Baba Adı:

T.C. Kimlik No: Sorgula

T.C. Kimlik No	Adı	Soyadı	Baba Adı	Ana Adı	Doğum Yeri	Doğum Tarihi
40759455560	MERT YASIN	OZ	MEHMET	NURHAN	ANKARA	09/06/1975

İl	İlçe	Mahalle	Ada	Parsel	Alan	Cins
ANKARA	ÇANKAYA	HARBIYE	7510	10	1200,00	BAĞ

Detay Ad	Detay Adet					
Bağımsız Bölümler	38					
Blok	Giriş	Kat	Bağ. Böl. No	Nitelik	Arsa Payı	Cilt
			32	MESKEN	30 / 1.200	54

Detay Ad	Detay Adet
Beyanlar	1
Eklenimler	1
Malikler	1

Malik Tip	Malik Açıklama	Hisse	Edinme Sebebi
GerçekKişi	MERT YASIN OZ : MEHMET Oğlu 1/1 (İştirak No: 0)		Satış

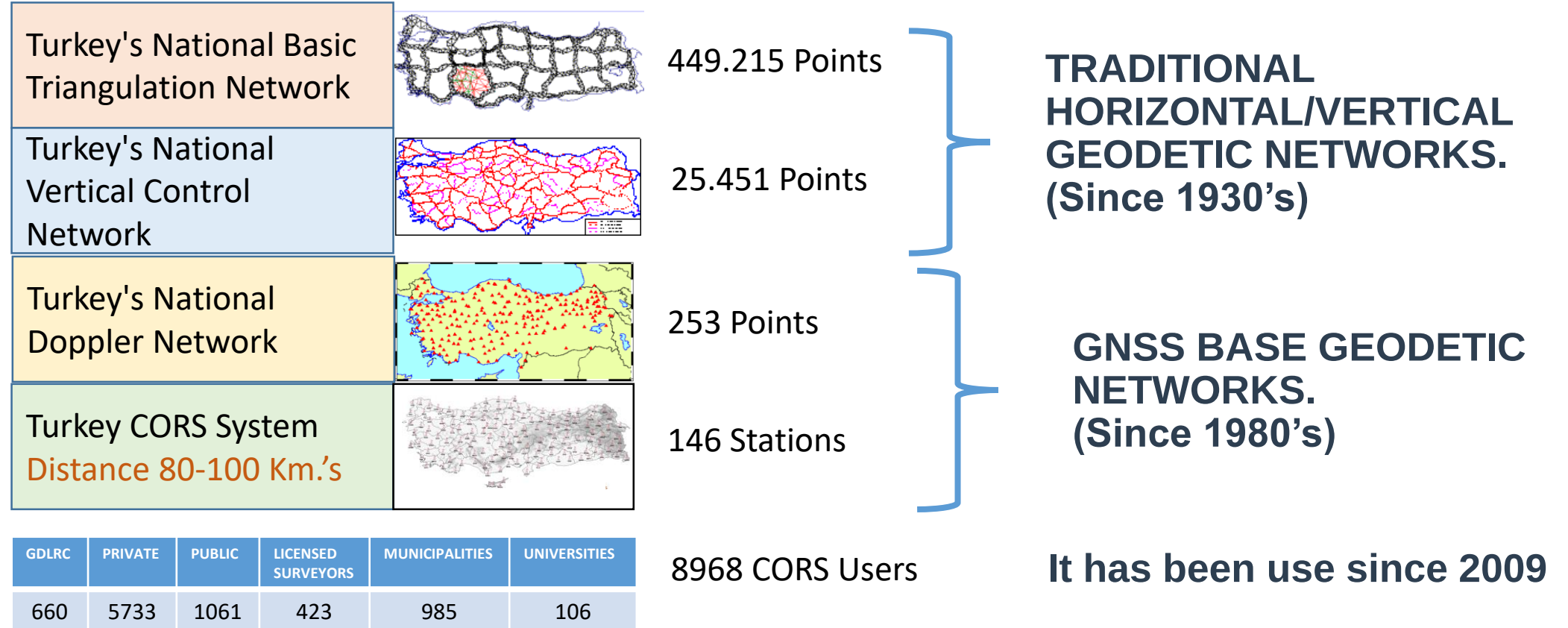
İşlem Başarı ile Tamamlandı.

Coğrafi Bilgi Sistemleri Şube Müdürlüğü | TKGM © 2014

Enlem : 39,8899 Boylam : 32,8375 19,00 1:866m



TURKEY'S GEODETIC INFRASTRUCTURE

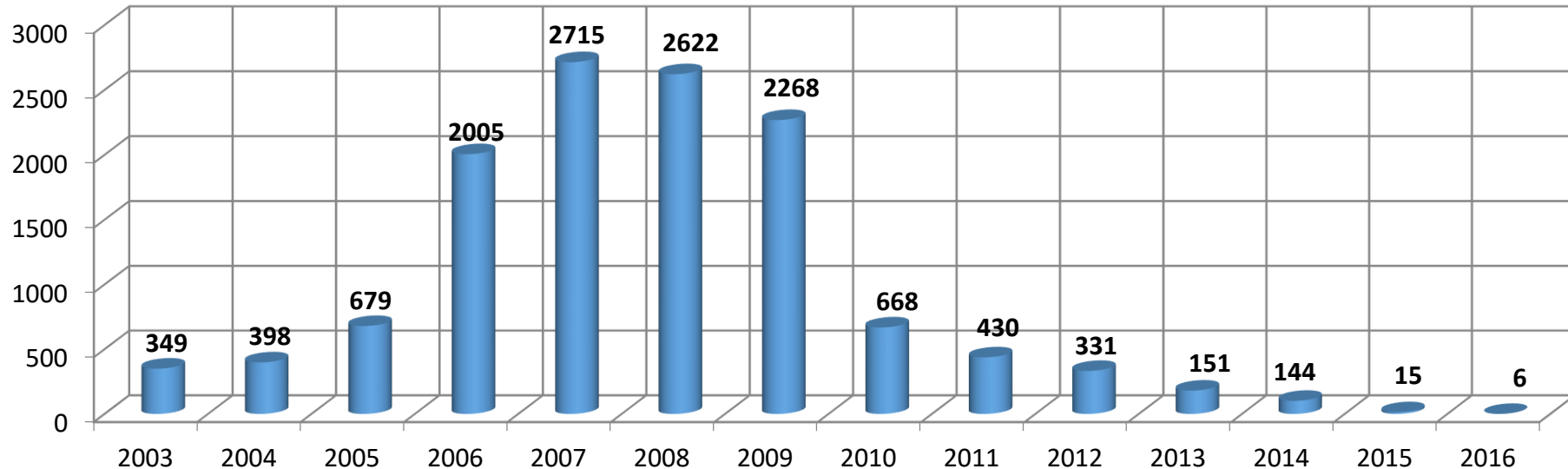


CORS (Continuously Operating Reference Stations)



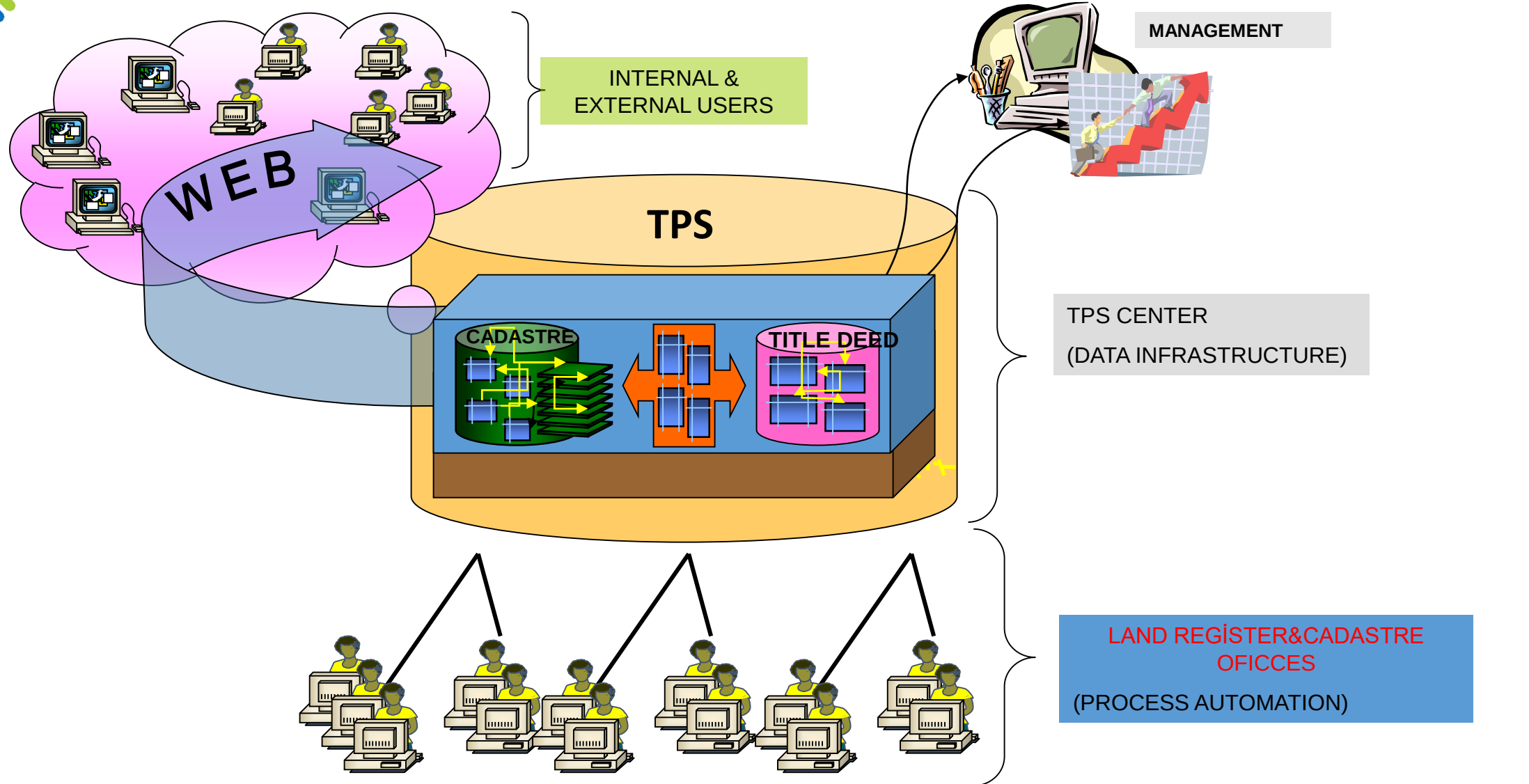
CADASTRAL DATA...

INITIAL CADASTRE OF TURKEY (CURRENT)				
TOTAL UNITS	COMPLETED BEFORE 2003	2003-2015	IN PROGRESS	PROBLEMATIC
52.049	38.796	12.781	107	365



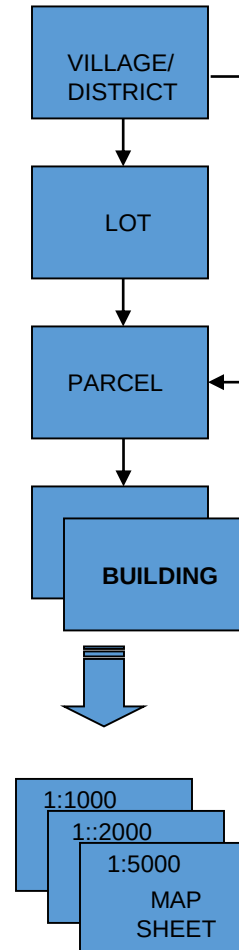
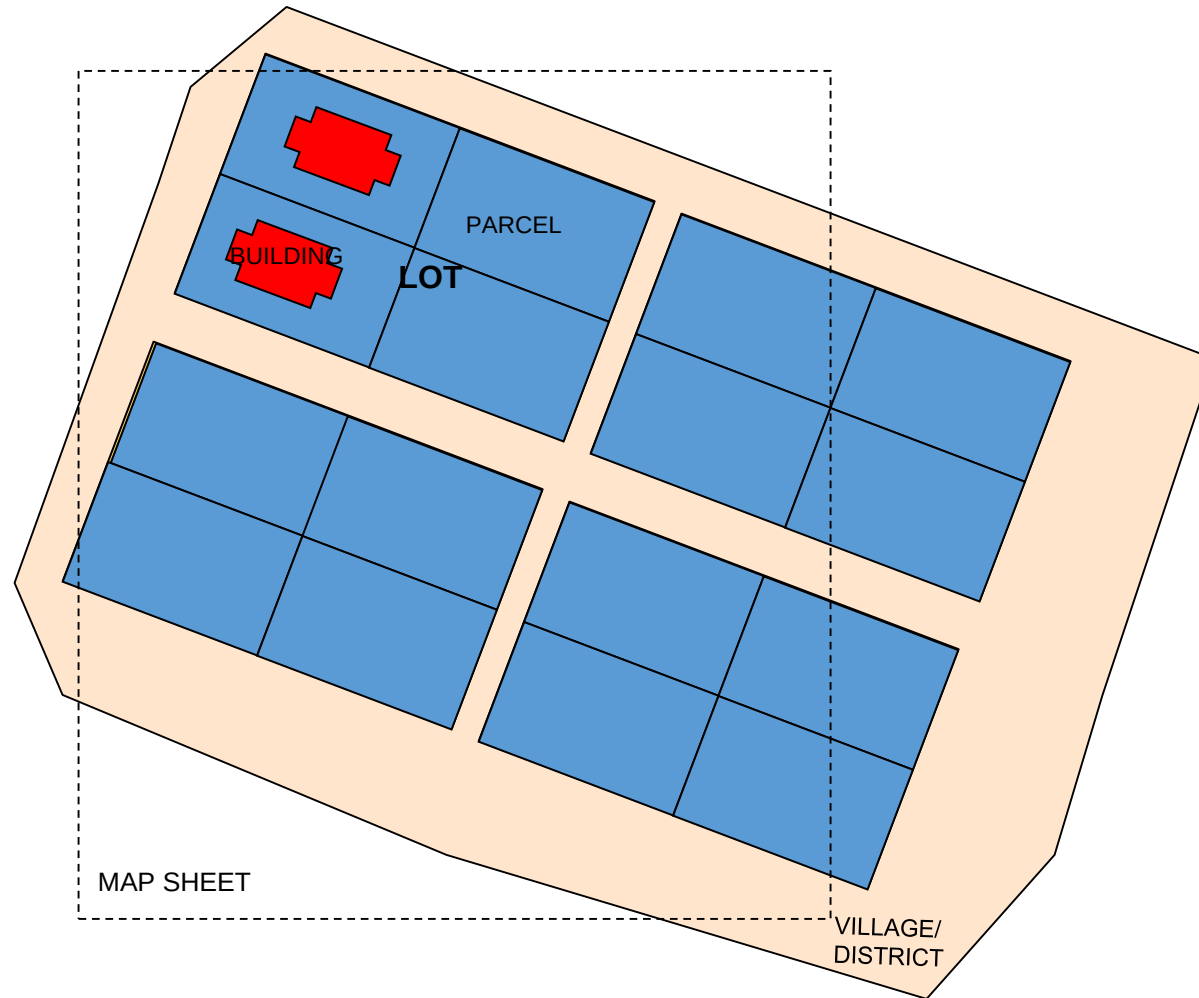
* This table was taken Mert Yasin Öz's presentation in Conference on NSDI - Kyrgyz Republic, June 29-30 2016

LAND REGISTER & CADASTRE WORKS





CADASTRE SERVICES

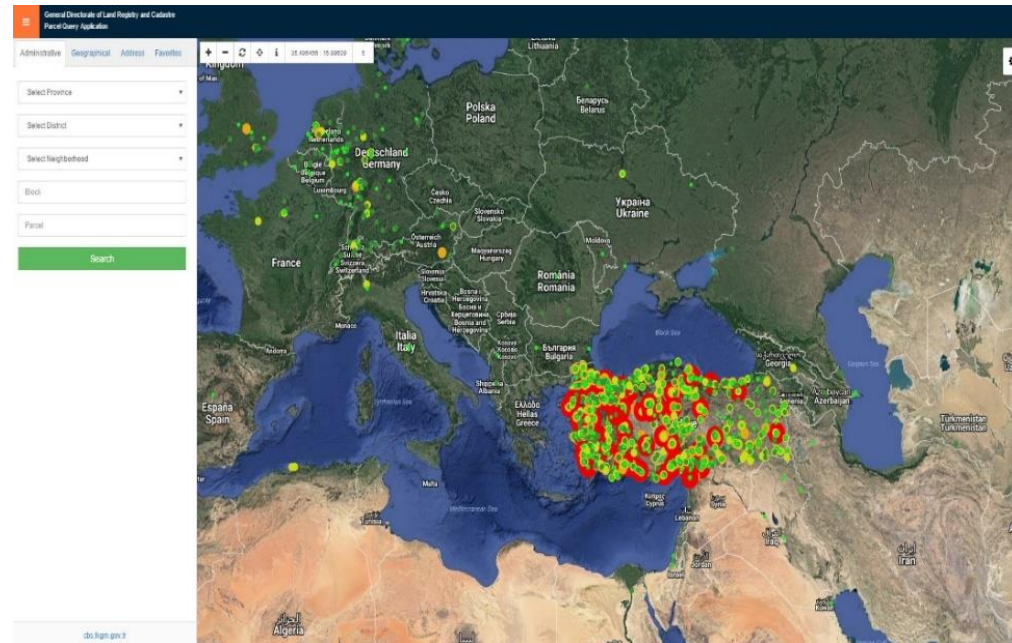


- ✿ Initial Cadastre is completed
- ✿ Cadastre Renovation works in progress
- ✿ Cadastral Directorates (81)
- ✿ Licensed Cadastre Offices (195)



PROPERTY DATA SHARING SYSTEM IN TURKEY

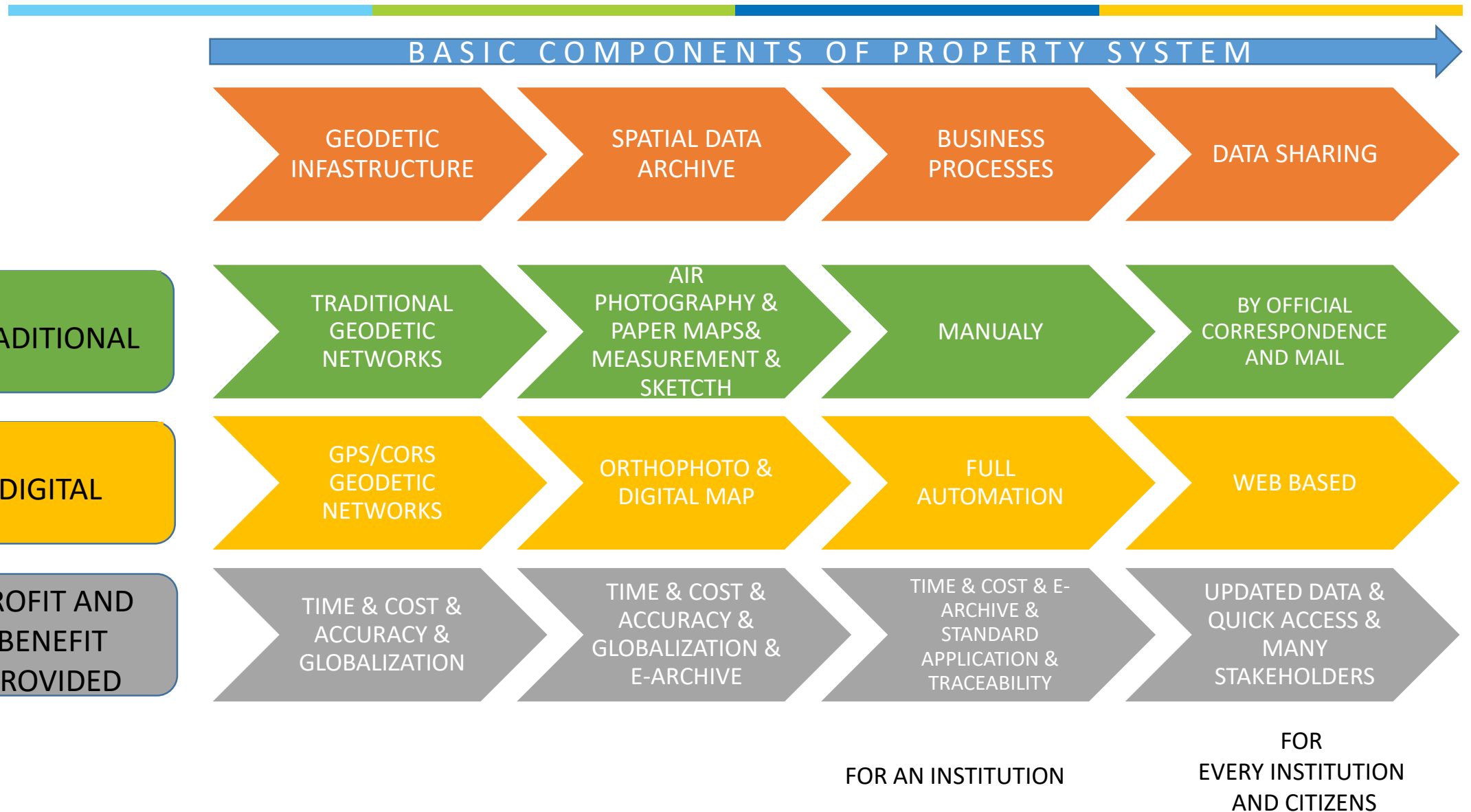
- Over 8 million land registry transactions in 2017
- 1000 external stakeholders...
- Title Deed and Property Query Service is ranked as 7th by usage.
- 750,000 users on the Google Play Store and 300,000 on the App Store.
- There are 1 million queries per day on the mobile platform.



* This data was taken Mert Yasin Öz's presentation in Conference on NSDI - Kyrgyz Republic, June 29-30 2016



CONCLUSION AND EVALUATION





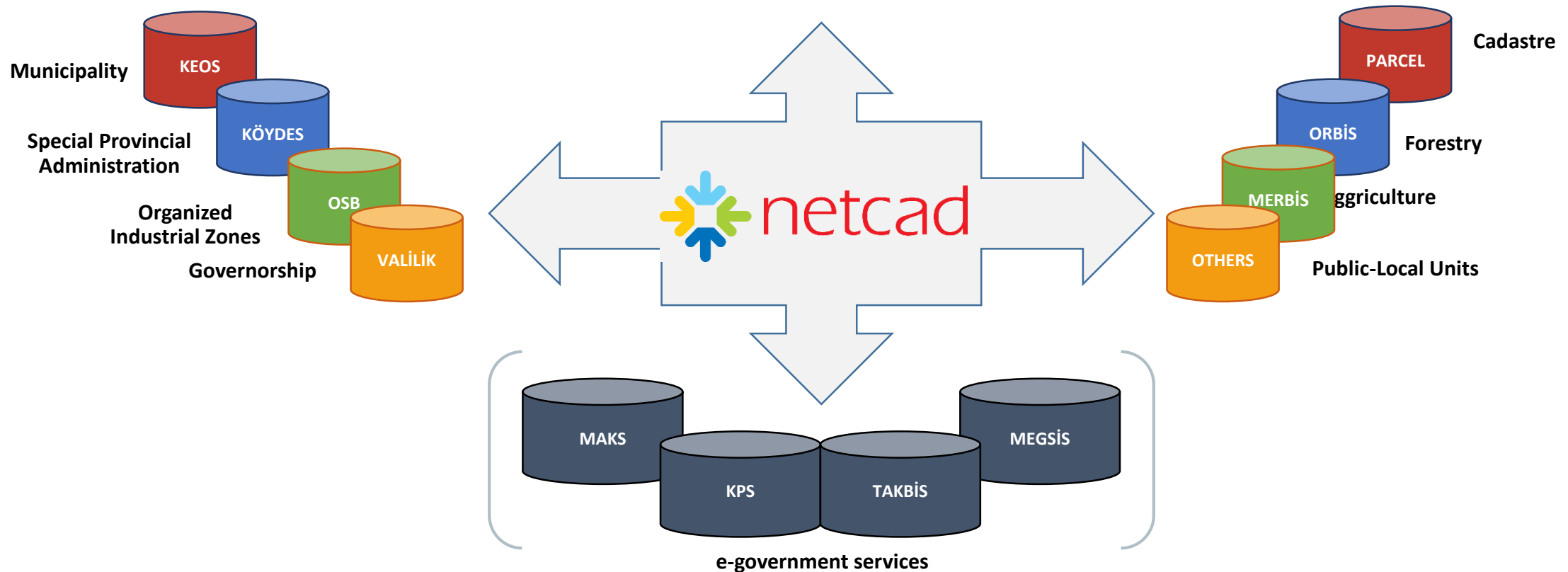
NECESSARY FEATURES FOR AN IDEAL PIS

#	REQUESTS	NEED	TPIS
1	The cadastral data should be produced in the country dimension.	Must	✓
2	Land registry and cadastral operations should be integrated online.	Must	✓
3	Starting from a certain date, all operations should be done in computer environment as standard.	Must	✓
4	Transactions should be done in local offices, data should be archived online in the center	Must	✓
5	Transactions must be locally independent.	Must	✓
6	Title deed and cadastral data should be presented on the web	Must	✓
7	Instant statistics can be generated	Must	✓
8	Cadastral data should be related to address data.	Preferred	✓
9	The parcel data should also include "land value" information.	Preferred	✗
10	Transition to 3D cadastre	Preferred	✗



NETCAD SOLUTIONS...

1000 Public Units, **800** Municipalities, **5.700** Private Sector Firms,
92 Universities **694** Departments





THANK YOU



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