

FIG
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May 6-11, 2018 in Istanbul, Turkey**



EMBRACING OUR SMART WORLD WHERE THE CONTINENTS CONNECT:
ENHANCING THE GEOSPATIAL MATURITY OF SOCIETIES
6-11 May 2018, Istanbul

HOW TO BUILD AN IDEAL PROPERTY INFORMATION SYSTEM

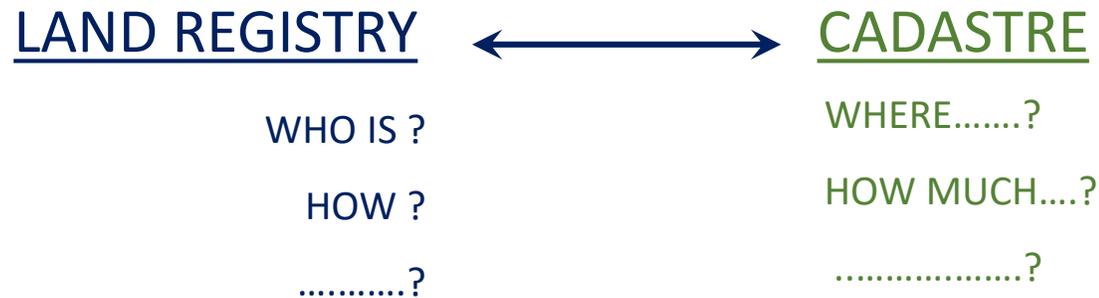
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PROPERTY INFORMATION SYSTEM (PIS)

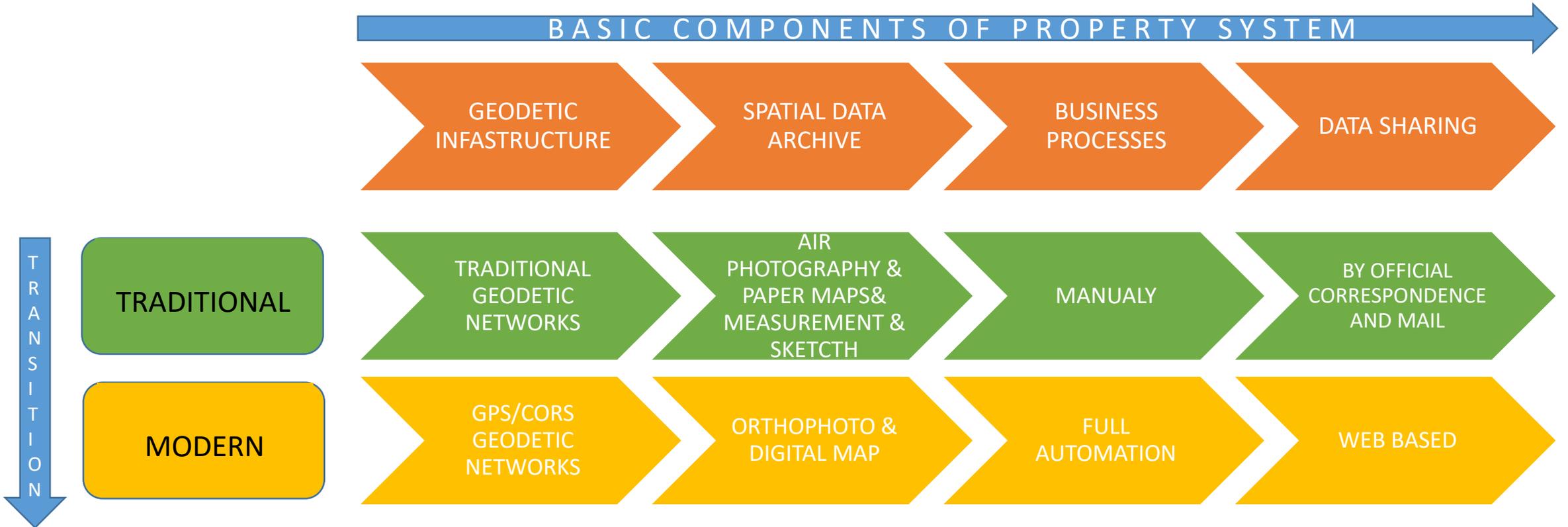


- ✿ The Property Information System is a parcel – based Information System.
- ✿ Cadastral works as technical and title works as legal.





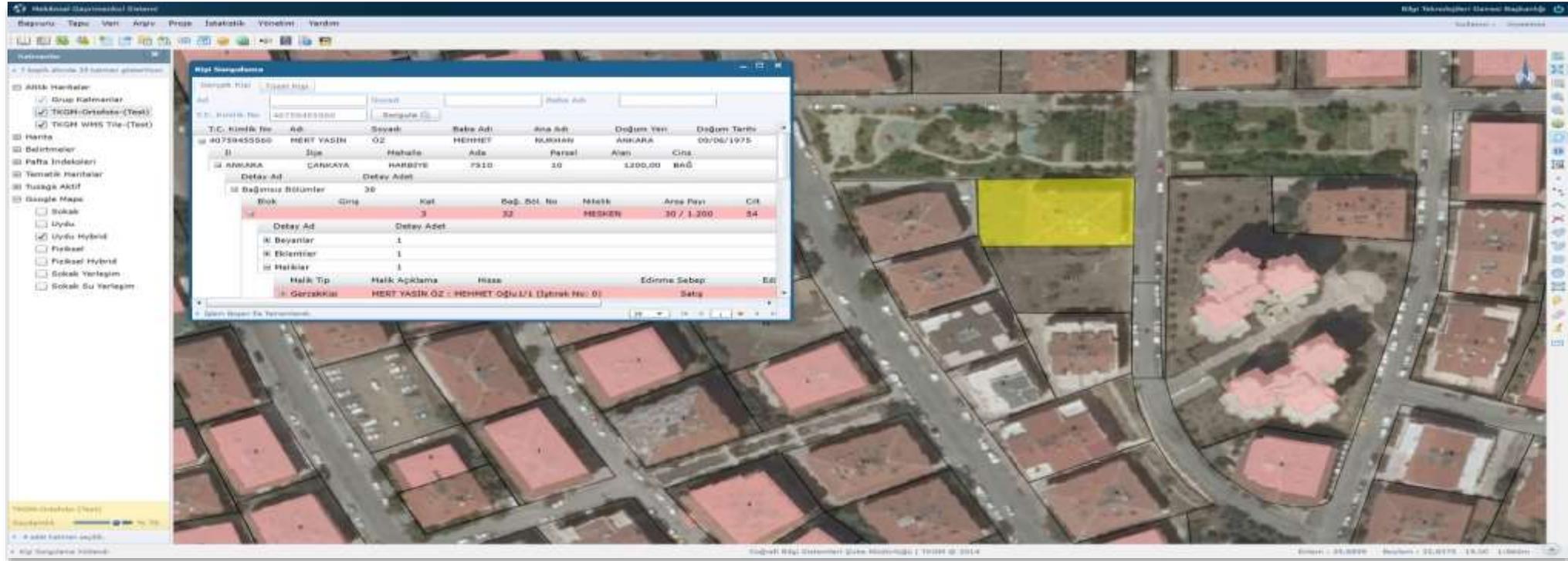
PROCESS FOR BUILDING PIS





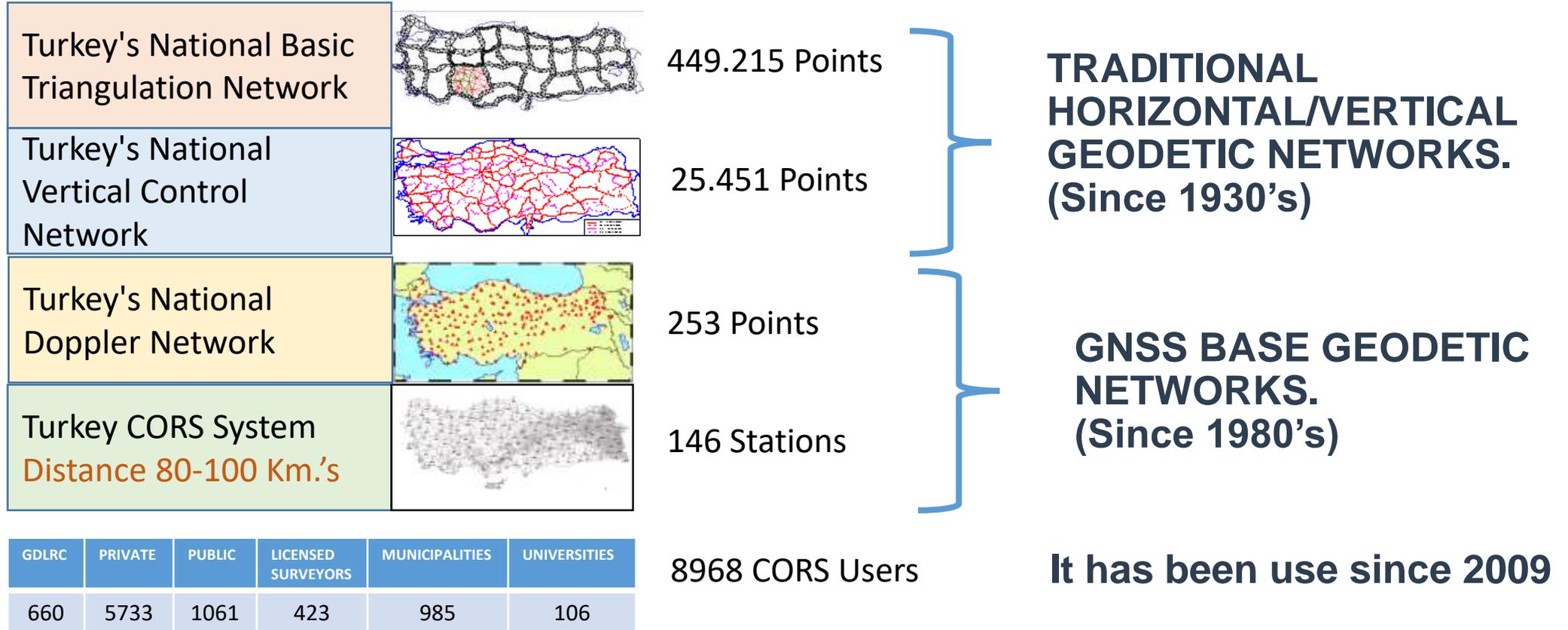
TURKEY'S PROPERTY INFORMATION SYSTEM (TPIS)

- ✿ Turkey's Property System has a very old history.
- ✿ 1847- First Registration
- ✿ 1924- GDLRC was established
- ✿ 1990- First computer-aided work was started and staff were trained
- ✿ 2003- The process of transition from traditional to digital system





TURKEY'S GEODETIC INFRASTRUCTURE

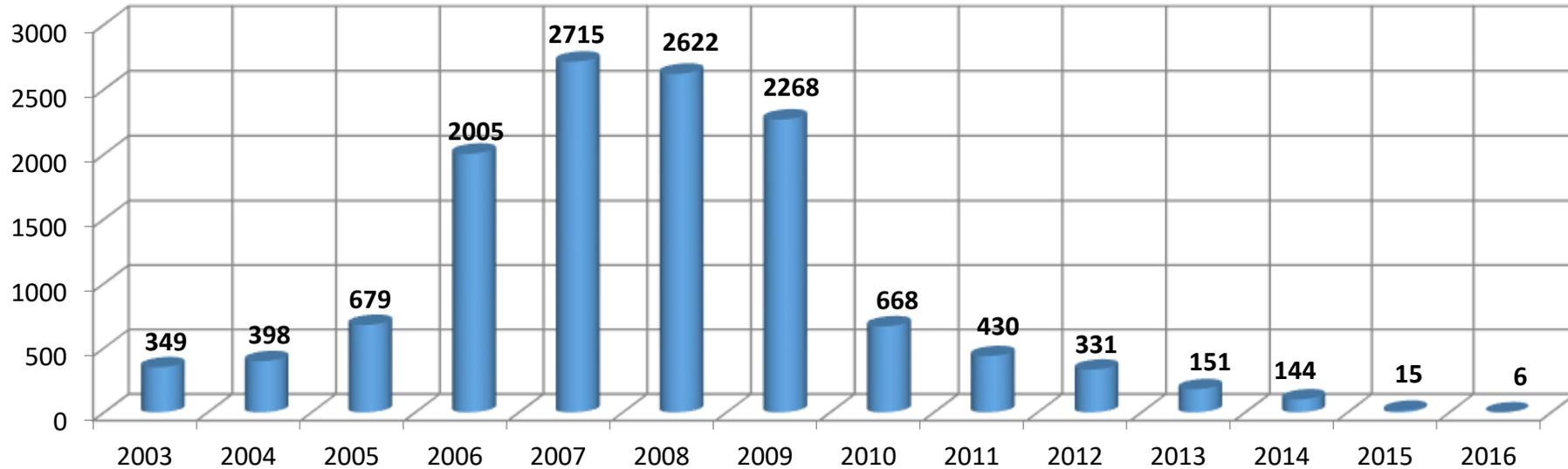


CORS (Continuously Operating Reference Stations)



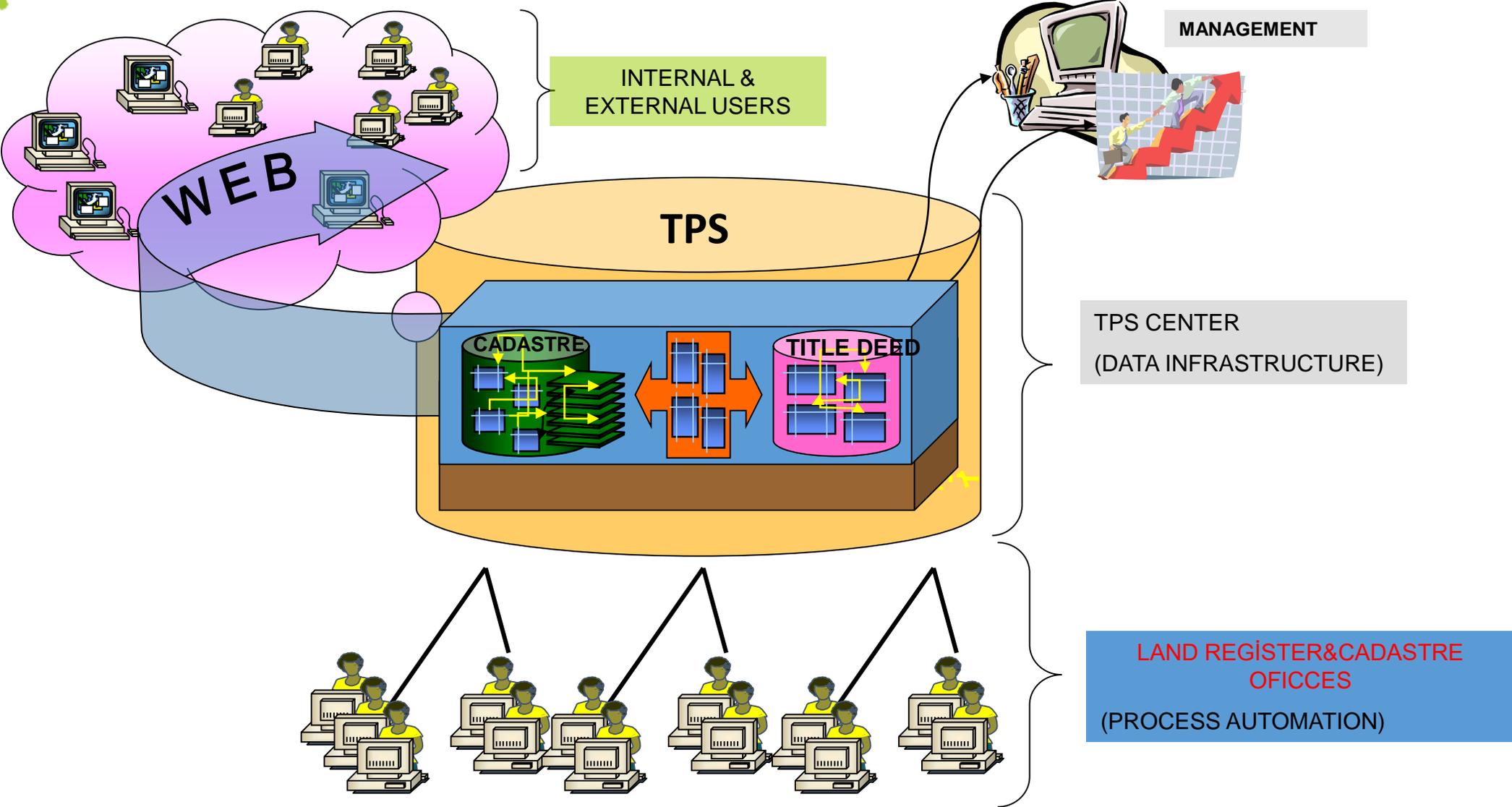
CADASTRAL DATA...

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

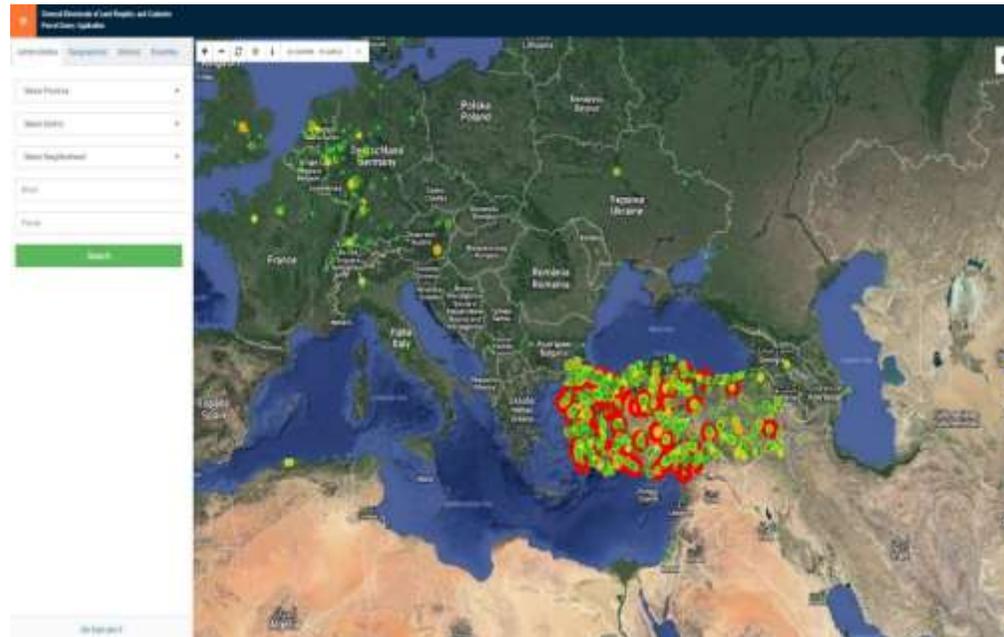
LAND REGISTER & CADASTRE WORKS





PROPERTY DATA SHARING SYSTEM IN TURKEY

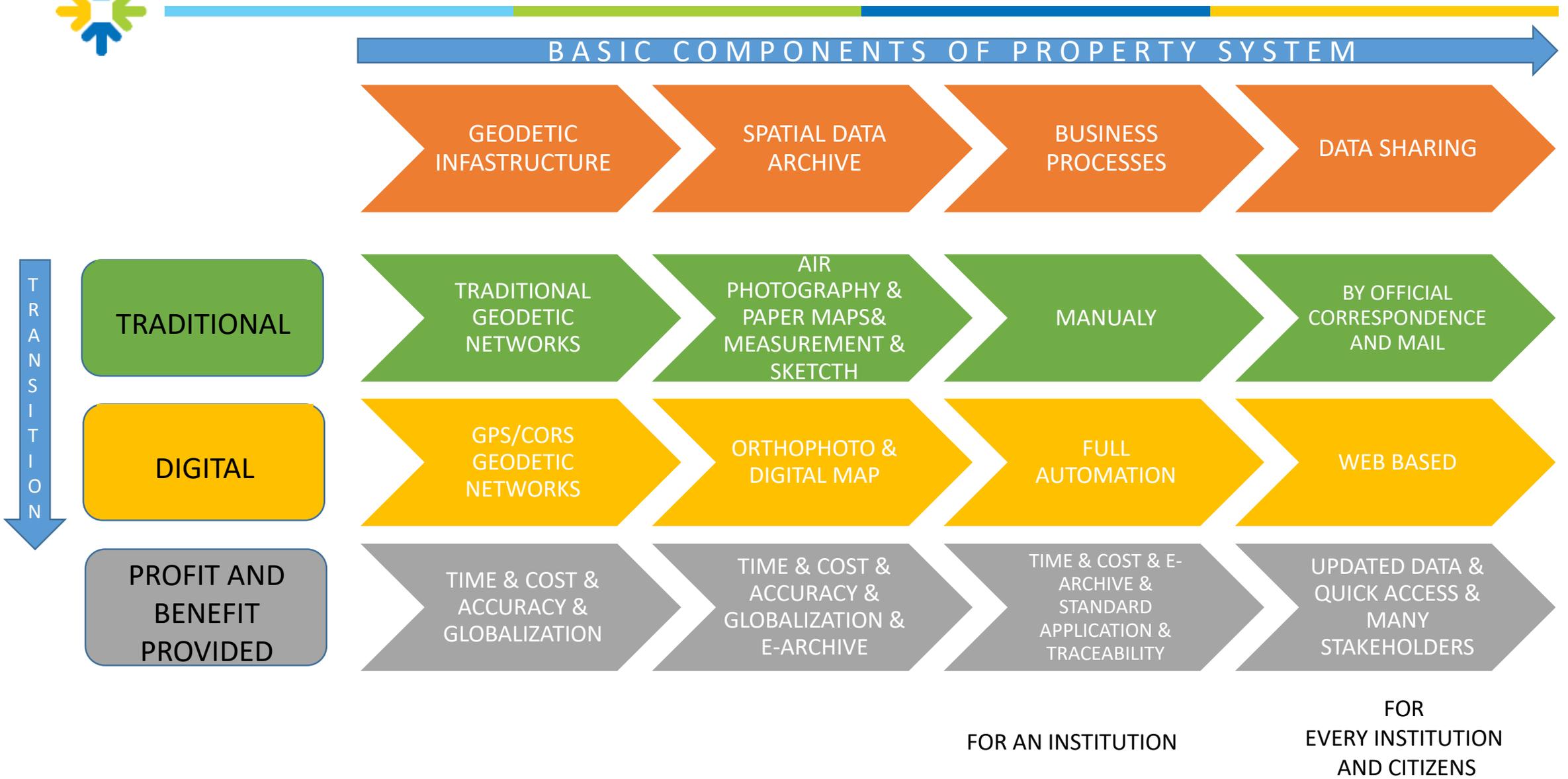
- ❁ Over 8 million land registry transactions in 2017
- ❁ 1000 external stakeholders...
- ❁ Title Deed and Property Query Service is ranked as 7th by usage.
- ❁ 750,000 users on the Google Play Store and 300,000 on the App Store.
- ❁ There are 1 million queries per day on the mobile platform.



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



CONCLUSION AND EVALUATION





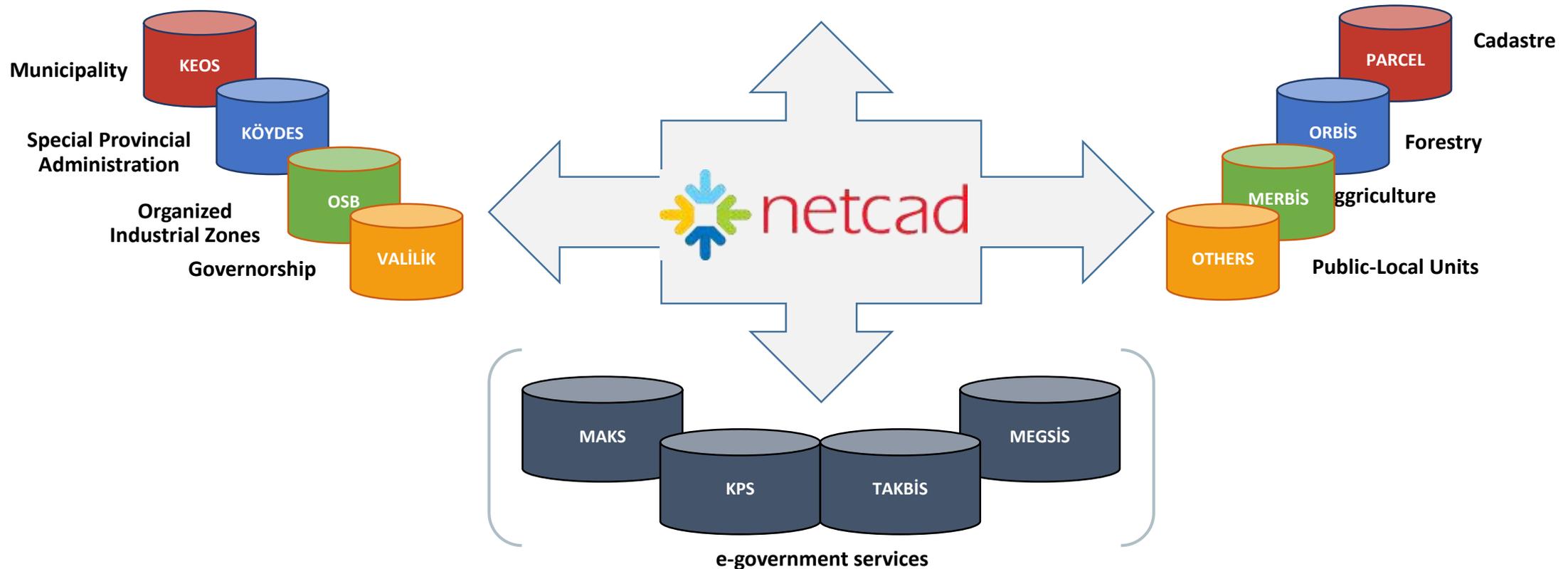
NECESSARY FEATURES FOR AN IDEAL PIS

#	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.	Peferred	
9	The parcel data should also include "land value" information.	Peferred	
10	Transition to 3D cadastre	Peferred	



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92 Universities **694** Departments





THANK YOU



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