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GIS for e-government applications ...



# **General Directorate of Land Registry and Cadastre**





5W+1H of e-gov.



•What ?





- •When ?
- •Who ?
- •How ?





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## LAND REGISTRY AND CADASTRE INFORMATION SYSTEM (TAKBIS)

- TAKBIS is a strategic e-government project that has all real estate ownership information throughout the country,
- all kinds of inquiries can be made on TAKBIS,
- RE transactions are conducted and monitored through IT systems, and services provided to costumers are presented in a reliable, up-to-date and fast manner.







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## **TAKBIS DATA SHARING / WEB Services**

TAKBIS data is shared with more than thousand public institutions and organizations, municipalities, professional chambers, associations and banks in international standards and it forms the basis for the added value data generation of related institutions.

This avoids the production costs arising from duplication of existing information.







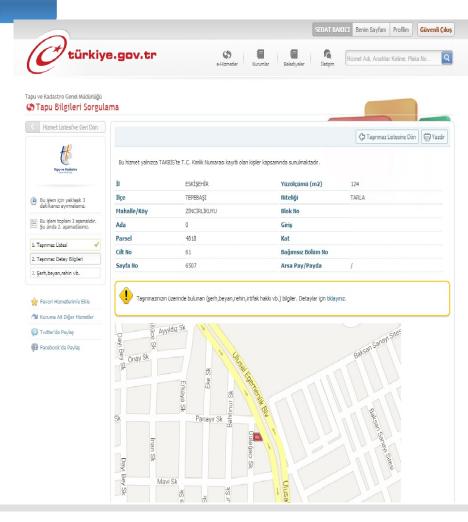
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## **E-GOVERNMENT POERTAL SERVICES**

Since 2010 from E-Government Portal (<a href="https://www.turkiye.gov.tr">www.turkiye.gov.tr</a>);

All citizens have access to their own Land Registry and Cadastre information.

They are able to inquire about the fees related to their transactions and they can also take samples of fee receipts they need.







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## **E-GOVERNMENT SERVICES**

REAL ESTATE INFORMATIONS INQUIRY REAL ESTATE DECLARATION OWNER TELEPHONE NR DECLARATION WEB-LAND REGISTRY TRANSACTIONS LAND REGISTRY DOCUMENTATION SALES TRANSACTION APPLICATION LAND REGISTRY FEE INQUIRY

Starting from 2010, TAKBIS data is provided to the e-government portal, which is the 6th most used e-government service between 1 million inquiries per month in 3.113 different e-services.





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#### e-MORTGAGE

In all branches of Ziraat Bank, e-mortgage application as of 30.11.2017 has been initiated and more than 30K e-mortgage transactions have been processed until today

Extension studies are continuing with other banks.

With the project, it is aimed to reduce the workload of the personnel and to provide the citizen satisfaction by providing the mortgage transactions in an effective, fast, secure and electronic environment.

With the addition of e-sales + mortgage processing to the project, 1 million average annual mortgages and sales + mortgage transactions are aimed to be achieved.





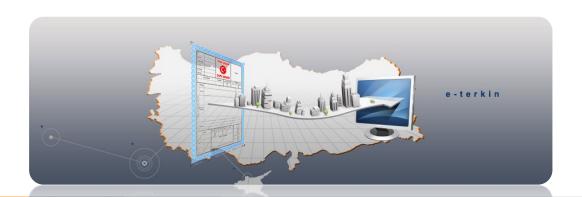


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## e-RELEASE

The mortgage release transactions carried out in our land registry offices were provided now by banks in electronic environment.

- Mortgage release transaction is actively implemented with 10 banks in electronic environment(T. C. Ziraat Bank, İş Bank, Vakıfbank, QNB Finansbank, Akbank, Garanti Bank, Turkey Finans Participation Bank, Kuveyttürk Participation Bank, Yapi Kredi Bank Participation Bank and Foundation)
- With this project, 350.000 mortgage release transactions per year have been moved to the electronic environment.







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## e-SEIZURE

- It is aimed to complete the establishment of seizure and cancellation operations in electronic environment by the related Institutions and to reduce the bureaucracy.
- SSI and Ministry of Justice have signed a business cooperation protocol and they have been continuing their software works.







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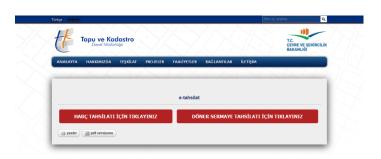
## e-FEE COLLECTION

The e-collection of fees application has been started in our land registry offices.

With this application, it is realized in the electronic environment that the fees of mortgages and revolving capital service fees are accrued, collected and checked over the system via Bank branches including branches in different cities, ATMs, visual transaction centers and web pages











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## TITLE DEED-EXCHANGE

A protocol is signed between TAKASBANK and our General Directorate, and if the buyers and sellers demand it, the infrastructures that will enable the transfer of the price related to the transfer of the real estate with a safe method can be established and the established system can be operated.

Thus, the risk of cash fraud, fraud and the trust between the parties are eliminated.









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## **OUT OF JURISDICTION OPERATIONS**

This practice, which allows our citizens to do their land registry processes not only from the land registry offices where immovable properties are registered but also from the land registry offices closest to them, is implemented in all the land registry offices and our foreign representative offices.



#### **OUTLAND TRANSACTIONS**

With 6083 numbered Organization Law, our General Directorate has been given authority to present land registry and cadastral services to Turkish citizens living in foreign countries and real and legal entities of foreign nationality in the country they are in.

Within the scope of this authorization: the employment of an Expert Advisor to the Consulate General in Berlin has been made and the service has started to be provided from July 1, 2016.





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## **WEB-LAND REGISTRY**

- After idendification on e-gov gateway Land Registry transaction applications can be made via internet without going to the land registry offices and necessary documents can be sent to to land registry office through the web page.
- Third persons' authorization of viewing the land registry information and making an appeal can be given or canceled by using web-land registry securely.
- With web-land registry, citizens can establish or remove a declaration for the purpose of not processing their immovables before they arrive personally.
- There are 46 different land registry transaction types for the individual an institutional (Company, Valuation Expert, Realtor, ...) users.







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## e -TITLE DEED SERTIFICTE









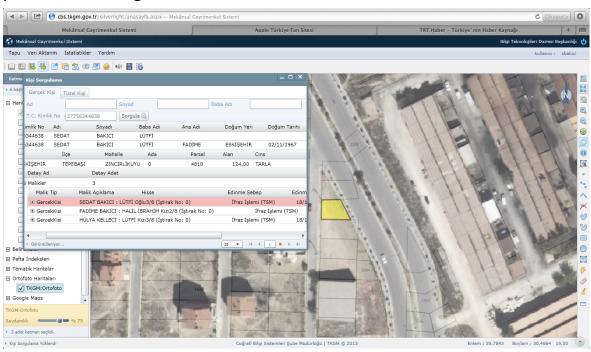


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## **SPATIAL PROPERTY SYSTEM (MEGSIS)**

It is a web based and open source application which is formed by the cadastral information being gathered on a central system and harmonized with the land registry information.

Integration of title data with graphic data was initiated in 2011 and until that time 57,240,438 cadastral parcels were integrated.







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## **PARCEL QUERY**

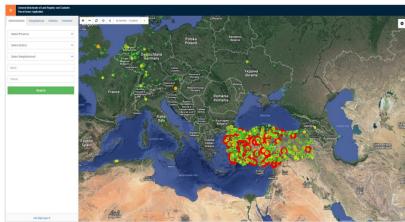
Cadastral parcel information, of the immovable property can be monitored on the map through the web page;

parselsorgu.tkgm.gov.tr

As of September 2015, parcel inquiry service on Google Play and Apple Store was provided as Mobile Application.

With mobile application, it provides parcel inquiry by location notification and address information.

From everywhere in the world, more than 1 million requests received per day ...









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## **E- ANNOUNCEMENT**

Cadastre works have been initiated in order to inform and make public announcements in e-government portal.







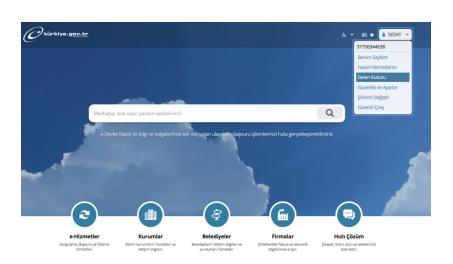


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## **E-QUESTIONNAIRE**

Following the completion of the transaction in land registry offices, costumer satisfaction questionnaire to citizen's profile on the e-government portal and be informed via SMS. Thus,

- •realistic survey results will be reached in real time,
- •savings will be obtained from the staff of the Service Tracking Desk,
- •the completed survey satisfaction will be instantly presented on the corporate business intelligence screen in general, regional, province and district basis.





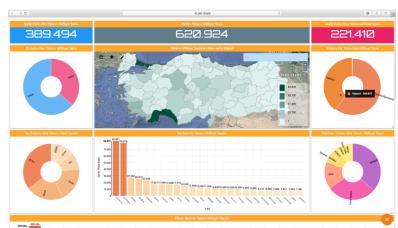




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## **BUSINESS INTELLIGENCE**





- The unit which make the most transactions
- The personnel who make the most transactions
- Number of male / female owners
- The most costly(fee) transaction
- Daily Revolving Fund income
- Mortgaged Real Estate Distributions
- Real estate purchases of foreigners
- Increased buy/sell transactions in recent times
- Average sales price changes in the zone
- ....







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Tapu ve Kadastro Genel Müdürlüğü