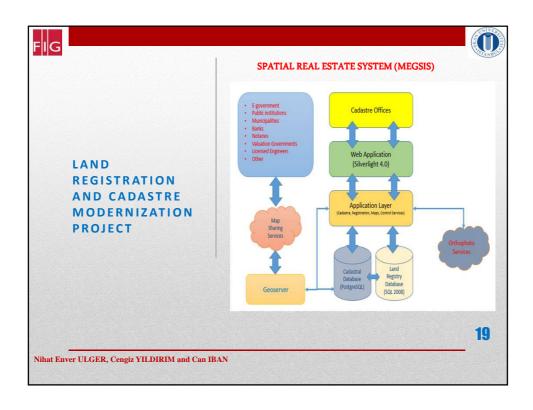
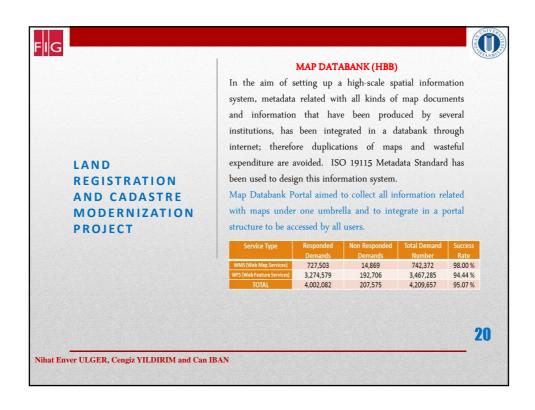
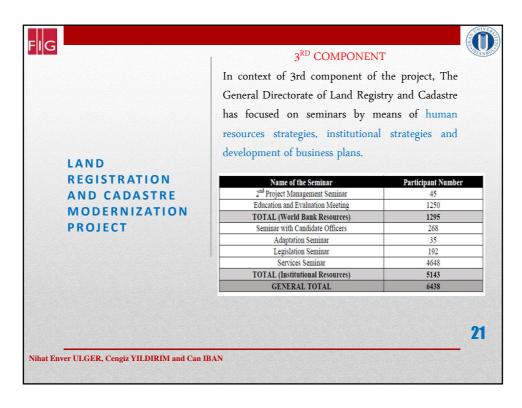
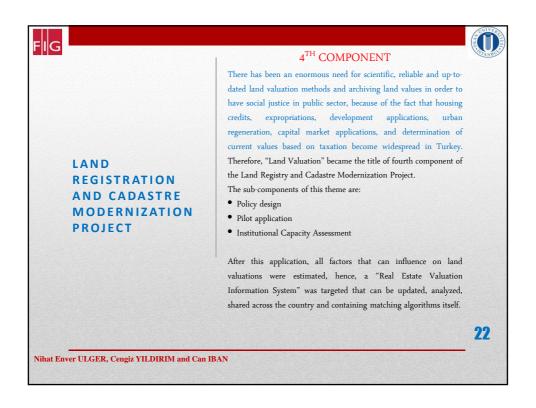


10









23



Nihat Enver ULGER, Cengiz YILDIRIM and Can IBAN

FIIG IN ACCORDANCE WITH 1ST STATEMENT Our national cadastral systems contain processes for determination of real estate boundaries, boundary measurements and producing related maps and respond to "Where?, How Much?" questions. It consists of a land registration system in which defined property rights and changes related with these property rights are recorded in ANALYSIS ON titles, and responds to "Whose?, "How?" questions. CURRENT TURKISH This system has a legal base in Turkish Civil Law (#4721) which **CADASTRAL** states that "Acquisition of ownership of real estate is subject to SYSTEMS IN several legal and contractual limitation. Ownership of real estate can **ACCORDANCE** be established by purchase, gift, appropriation, inheritance, WITH FIG expropriation, execution and court decisions. The Land Register is of CADASTRE 2014 decisive importance for the ability to prove ownership of real estate, STATEMENTS as it - like the possession of a movable - serves to publicize the existing legal circumstances." Article 705 deals with the prerequisite of registration in Land Register (the so-called Registration Principle), while Articles 706-714 contain the rules for different forms of acquisition. Article 719 deals with the case when a disagreement in boundary and rules that the boundary on cadastral map is always 24 valid than land markers (except landslide zones). Nihat Enver ULGER, Cengiz YILDIRIM and Can IBAN





ANALYSIS ON CURRENT TURKISH **CADASTRAL** SYSTEMS IN **ACCORDANCE** WITH FIG CADASTRE 2014 **STATEMENTS**

IN ACCORDANCE WITH 1ST STATEMENT On the other hand, Article 35 of Turkish Constitution rules the

conditions when the government can end the property law. These conditions are generally called "commonweal" and various institution can put restrictions (informally "touch") on property rights for a commonweal purpose through their plans.

However, the restrictions on private property rights by means of plans and laws that are described above, are not currently "registered" in Land Registration System. Usually these kind of restrictions are not seen in registration archives. The first statement of FIG 2014 Cadastre Vision suggests that not only private property rights but also foreseen public rights and responsibilities should be indicated in land registration, even though our current system should fill this gap with the help of TAKBIS and Turkish National GIS projects. For example; legally all institutions that put restrictions on private property rights should remark these changes through TAKBIS for each parcel ID. Therefore, public would be able to follow these restrictions and their content via e-Governance. It would be possible to guarantee all kinds of rights and restrictions by

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FIIG



ANALYSIS ON CURRENT TURKISH **CADASTRAL** SYSTEMS IN **ACCORDANCE** WITH FIG CADASTRE 2014 STATEMENTS

IN ACCORDANCE WITH 2ND STATEMENT Both legal component (land registry) and mapping

component (cadastre) of land registration system are organized by a unique institution (The General Directorate of Land Registry and Cadastre) in Turkey. Cadastre and mapping facilities are performed by Cadastre Offices, while land registry facilities are performed by Land Registry Offices. Therefore, current structure is suitable with the 2^{nd} statement of FIG 2014 Cadastre Vision which states that both disciplines should be run together and the separation between maps and records should be eliminated.

26

Nihat Enver ULGER, Cengiz YILDIRIM and Can IBAN





ANALYSIS ON CURRENT TURKISH CADASTRAL SYSTEMS IN ACCORDANCE WITH FIG CADASTRE 2014 STATEMENTS Several methods have been used to produce cadastral maps since 1925 in Turkey. While production of maps, archiving and presenting these maps were used to be done manually in the past; especially by the help of TAKBIS and MEBSIS projects, data models take place instead of graphical productions. Even though TAKBIS was not successful so much, since collecting all cadastral maps with different coordinate systems and transforming them into a unique coordinate system caused high cost expenses and a long duration; MEGSIS was successful to collect all kinds of CAD-based numerical-cadastral data from all offices in a unique coordinate system (ITRF96) and in an integrated mutual database.

IN ACCORDANCE WITH 3RD STATEMENT

27

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FIG



IN ACCORDANCE WITH 4TH STATEMENT

ANALYSIS ON CURRENT TURKISH CADASTRAL SYSTEMS IN ACCORDANCE WITH FIG CADASTRE 2014 STATEMENTS Turkish cadastral system has a harmony with the 4th statement, as indicated also in the 3rd statement. Because of IT and technological developments, detailed measurements are accomplished utilizing GPS and electronic tachometers, modelled with data models, archived and shared digitally. As a result, paper and pen usage in cadastral activities was eliminated.

28

Nihat Enver ULGER, Cengiz YILDIRIM and Can IBAN

15

