



REPUBLIC OF TURKEY  
MINISTRY OF PUBLIC WORKS  
GENERAL DIRECTORATE OF LAND REGISTRY AND CADASTRE  
(TKGM)

LAND REGISTRY AND  
CADASTRE MODERNIZATION  
PROJECT

2008

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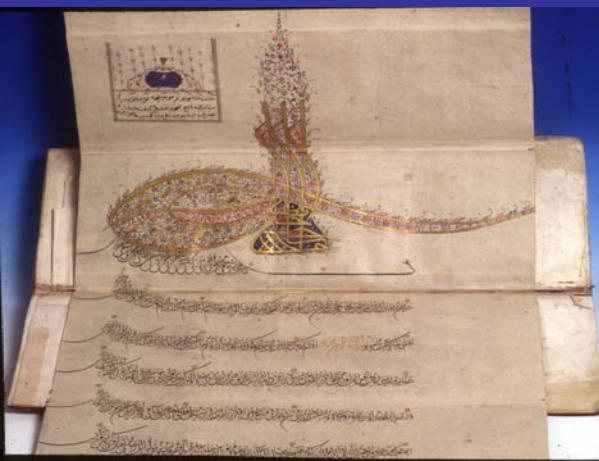
# HISTORICAL BACKGROUND:

**TURKEY HAS A LONG HISTORY OF PROTECTION OF PROPERTY RIGHTS .**

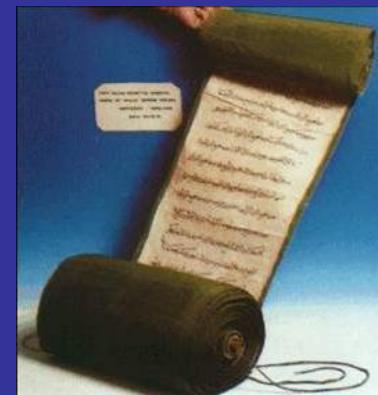
**TURKISH DIRECTORATE GENERAL LAND REGISTRY AND CADASTRE AGENCY (TKGM) WAS FOUNDED IN 1925**

**MORE THAN %95 OF LAND IS MAPPED AND REGISTERED,**

**NEVERTHELESS SIGNIFICANT IMPROVEMENTS ARE NEEDED TO FULLY MODERNIZE THE TKGM AND BRING IT TO EUROPEAN STANDARTS.**



*WPLA Workshop CAVTAT October 2-3 2008*





# HISTORICAL BACKGROUND:

IN OUR COUNTRY THE STATE IS RESPONSIBLE FOR REGISTERING LAND REGISTRY(PLAN+REGISTER) WITHOUT EXCUSE.  
(CONSTITUTION-CIVIL LAW)

DIRECTORATE-GENERAL OF LAND REGISTRY AND CADASTRE IS THE INSTITUTION PERFORMING THIS RESPONSIBILITY UNDER THE SAME ROOF WITH ITS LAND “ REGISTRY” AND “CADASTRE “ UNITS FOR MANY YEARS.

THIS MODEL IS ALSO MENTIONED AT FIG 2014 AND SUITED TO EUROPEAN STANDARTS





## **LAND REGISTRY AND CADASTRE PROJECT :**

**BY RECENT AMENDMENT ON CADASTRE LAW IT IS ADDED A MISSION TO ESTABLISH THE INFRASTRUCTURE OF THE SPATIAL INFORMATION SYSTEM SO WE BEGAN LOTS OF PROJECT TO ACHIVE THIS AIM. SUCH AS ARIP, CORS, TAKBIS.**

**TO ESTABLISH LAND REGISTRY AND CADASTRE DATA STANDARTS AND MODERN SURVEYING TECHNOLOGIES FOR TURKISH CADASTRE,**

**MOST CADASTRAL MAPS ARE IN PAPER FORMAT,**

ANKARA

P.368

MAMAK

PAFTA.366

P.365

ADA 2163

P.373

10000

2166

2161

2163

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ADA 2160

2167

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
100	1	Ana	Çatılı A.Es	Osman Kadıgil	
126	2		Başılı A.Es	Osman İneer	
3704	3		Süslü Sıhmetli		

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
2156	1	Başılı	Sahibi	Salih Batur	
2156	2				

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
561	1	235.00	Kul Araz	Mahmut Hacıoğlu	
562	2	836.00	Başılı	Lütfiye Çınar	
563	3	3575.00	Başılı A.Es	Hümet Kadıgil	
564	4	15.00	"	Osman Yaak	
565	5	371.00	Çatılı	Osman Yaak	
569	6	851.00	"	Mehmet Kırık	
570	10	651.00	Başılı A.Es	İlhan Boz	
571	11	601.00	Başılı	Nuri Çapılı	
572	12	111.00	"	Tayfun Yılmaz	

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
573	1	861	Başılı A.Es	Lütfiye Çınar	
574	2	2167	Hümet Araz	Mahmut Hacıgil	
575	3	331	Ana	"	
576	4	311	İlhan Boz	"	

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
577	1	5363	Başılı A.Es	Hümet Çadırgan	
578	2	803	Sıhmetli	Lütfiye Hacıgil	

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
579	1	1737	Başılı A.Es	Lütfiye Kırık	
580	2	920	Başılı	Efret Day	
581	3	915	Ormanlı	"	
582	4	138	Başılı Araz	Mahmut Hacıgil	

No	Parcel	Sahasi	Cinsi	Sahibi	Disünceler
583	1	330	Başılı	Mahmut Çadırgan	

ANKARA

ÇANKAYA KIBRIS KÖYÜ

PAFTA:26

P.23

5000

P.24

P.25

P.27

2000

Geometri  
Sıfır Çizim

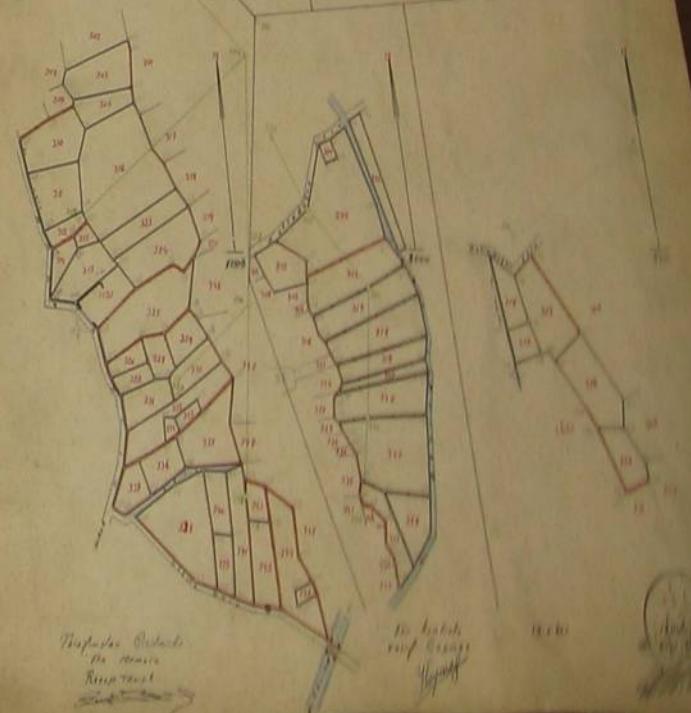
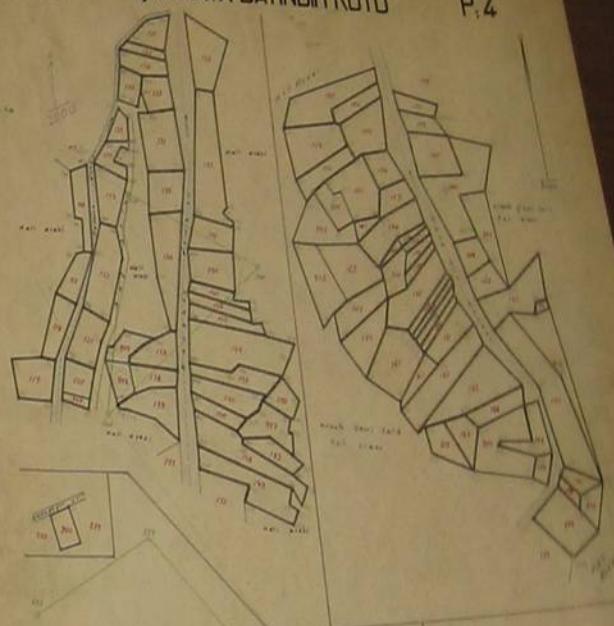
Geometri  
Sıfır Çizim

Geometri  
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ÇANKAYA BAYINDIR KÖYÜ

P.4



*ANKARA*

MANAK

PAFTA.361

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## LAND REGISTRY AND CADASTRE PROJECT :

LOCALITIES MAPS ARE OUT OF DATE AND  
DO NOT CORRESPOND WITH THE GROUND LOCATIONS

AND THE NUMBER OF CADASTRAL DISPUTE RATE IS HIGH

CADASTRAL DATA MUST BE ACCURATE, RELIABLE AND UP TO DATE

BECAUSE OF THESE REASONS WE START A NEW PROJECT  
CALLED LAND REGISTRY AND CADASTRE MODERNIZATION.



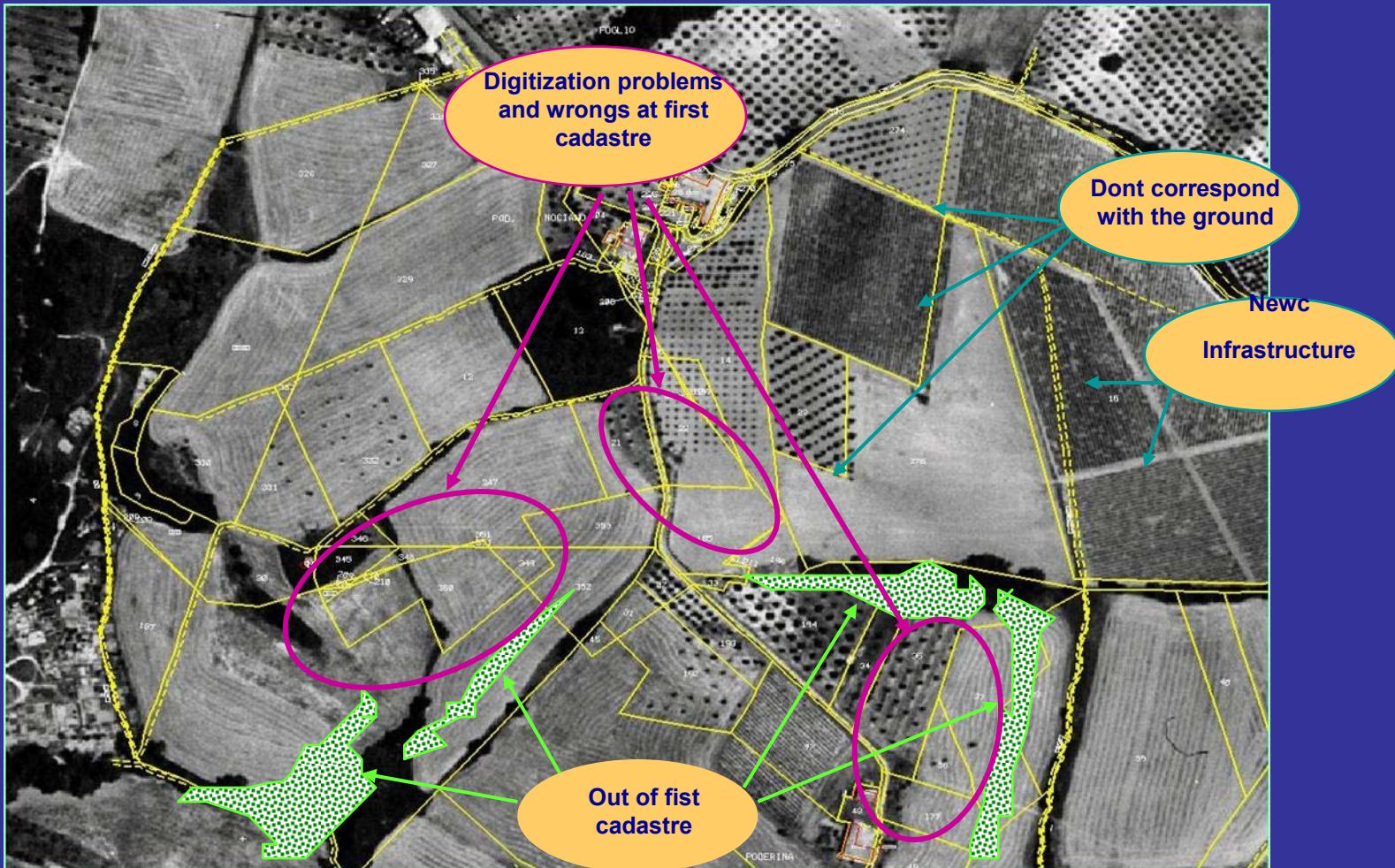
# LAND REGISTRY AND CADASTRE PROJECT :





# LAND REGISTRY AND CADASTRE PROJECT :

The old cadastre maps do not reflect the current status





## **LAND REGISTRY AND CADASTRE PROJECT :**

**FOR LAND REGISTRY AND CADASTRE MODERNIZATION PROJECT, LOAN NEGOTIATIONS WERE HELD ON MARCH 17 – 18, 2008**

**AND THE PROJECT WAS APPROVED BY THE WORLD BANK BOARD OF EXECUTIVE DIRECTORS ON MAY 1, 2008.**

**TOTAL FUNDING TO BE PROVIDED BY THE BANK IS US\$ 203 MILLION OVER THE NEXT 5 YEARS AND THE CLOSING DATE IS SEPTEMBER 30, 2013.**

**THE LOAN AGREEMENT WAS SIGNED ON JUNE 9, 2008. AND DECISIONS OF COUNCIL OF MINISTERS' WILL BE COMPLETED.**



# **LAND REGISTRY AND CADASTRE PROJECT :**

## **PROJECT SCOPE AND OBJECTIVES**

**THE OVERALL GOAL OF THE PROJECT IS TO CONTRIBUTE TO GOVERNMENT AGENDA TO IMPROVE QUALITY AND EFFECTIVENESS OF PUBLIC SERVICES THROUGH SPREADING AND MAKING EFFECTIVE E-GOVERNMENT APPLICATIONS.**

**THE SPECIFIC OBJECTIVE OF THE PROPOSED PROJECT IS TO IMPROVE THE EFFECTIVENESS AND EFFICIENCY OF THE LAND REGISTRY AND CADASTRE SERVICE.**



## **DESCRIPTION OF PROJECT COMPONENTS AND SUB-COMPONENTS :**

### **1-CADASTRE AND LAND REGISTRY RENOVATION AND UPDATING**

#### **A)CADASTRE RENOVATION:**

**THE COMPONENT WILL UPDATE AROUND 4.1 MILLION PRIORITY PARCELS OF 55 MILLION REAL ESTATE PARCELS IN TURKEY OVER 5 YEAR PROJECT PERIOD.**

**THE PRIORITY AREAS WERE CHOOSEN ON THE GROUNDS DEMAND AND ECONOMIC POTENTIAL SUCH AS İSTANBUL, ANKARA, İZMİR, ANTALYA, BURSA, GAZİANTEP**

**UPDATED ,ACCURATE, CONSISTENT AND STANDARDIZED LEGALLY AGREED CADASTRAL RENOVATED DIGITAL MAPS AND DATA SETS WILL BE AVAILABLE FOR ENTRY INTO TAKBİS**



## **DESCRIPTION OF PROJECT COMPONENTS AND SUB-COMPONENTS :**

### **B)BASE MAPPING IN SELECTED AREAS**

IT IS A PART OF OUR RESPONSIBILITY FOR THE NATIONAL SPATIAL DATA INFRASTRUCTURE AROUND 40.000 sq KM OF BASE MAPS INCLUDING ORTHOPHOTO MAPS WILL BE PRODUCED.

### **C)SUPERVISION AND QUALITY CONTROL.**



## **DESCRIPTION OF PROJECT COMPONENTS AND SUB-COMPONENTS :**

### **2-IMPROVED SERVICE DELIVERY**

**THE COMPONENT WILL IMPROVE TKGM'S ABILITY TO PROVIDE ITS CORE SERVICES TO THE GOVERNMENT AND THE CITIZENS.**

#### **A) CADASTRE INTEGRATION CONSULTANCY SUPPORT :**

**THE IMPLEMENTATION OF AN INTEGRATED (LAND REGISTRY AND CADASTRE) VERSION OF TAKBIS IS ESSENTIAL FOR THE FUTURE EFFICIENT AND EFFECTIVE FUNCTIONING OF BOTH THE LAND REGISTRY AND CADASTRE DIRECTORATES SO AS TO MEET TKGM'S STATUTORY RESPONSIBILITIES AND SPECIFIC GOVERNMENT INITIATIVES SUCH AS THE E-GOVERNMENT PROGRAMME AND THE ESTABLISHMENT.**



## **DESCRIPTION OF PROJECT COMPONENTS AND SUB-COMPONENTS :**

### **B) MODEL OFFICES :**

TO PROVIDE EXAMPLES OF MODEL OFFICE LAYOUTS IN EACH OF THE PROJECT REGIONS THAT TAKES ADVANTAGE OF THE OPPORTUNITIES FOR THE STREAMLINING OF WORKFLOWS INVOLVING REGISTRATION AND CADASTRE PROCESSES WHEN THE LAND REGISTRY AND CADASTRE DIRECTORATES ARE CO-LOCATED, CADASTRE RENOVATION WORK IS LARGELY COMPLETED AND THE INTEGRATED CADASTRE AND REGISTRATION VERSION OF TAKBIS HAS BEEN IMPLEMENTED.

### **C) INTEGRATION OF E-CADASTRE INTO THE NSDI UP DATED AND CONSISTENT VERSION OF THE CADASTRE AVAILABLE THROUGH THE TURKISH NSDI**



## **DESCRIPTION OF PROJECT COMPONENTS AND SUB-COMPONENTS :**

### **3- HUMAN RESOURCES AND INSTITUTIONAL DEVELOPMENT**

**THE COMPONENT WILL SUPPORT THE DEVELOPMENT OF HUMAN RESOURCES STRATEGY PLANS,  
VIDEO CONFERENCING, TRAINING AND STUDY VISITS**

### **4- PROPERTY VALUATION**

**THE COMPONENT WILL INVESTIGATE AND DEVELOP POLICIES FOR THE PROPERTY VALUATION FUNCTION IN TURKEY IN LINE WITH INTERNATIONAL PRACTICES. THE COMPONENT WILL FINANCE POLICY DEVELOPMENT, TWO PILOT IMPLEMENTATION AND CAPACITY BUILDING.**



## RESULTS

CADASTRAL INFORMATION WILL BE RENOVATED SO AS TO BE DIGITAL, UPDATED, CONSISTENT WITH THE SITE AND LEGALLY VALID, THUS IT WILL BE BASIS FOR SPATIAL INFORMATION SYSTEM.

THE RESULTING PRODUCTS WILL ALSO BE MADE AVAILABLE TO PUBLIC AND PRIVATE SECTOR . MUNICIPALITIES WILL USE AS A BASE MAP FOR THEIR INFORMATION SYSTEM.

THE BETTER QUALITY OF CADASTRAL DATA WILL NOT ONLY BE REFLECTED IN THE CADASTRAL AND LAND REGISTRY OFFICES SERVICES PROVIDED BY THEM BUT ALSO WILL AFFECT OTHER AGENCIES WHERE LAND INFORMATION IS USED.

THE OPERATION OF THE NEW LAND REGISTRY AND CADASTRE OFFICES WILL PROVIDE A MODEL FOR CHANGES IN OTHER TKGM OFFICES



## RESULTS

**THIS PROJECT WILL IMPROVE CUSTOMER SATISFACTION OF CADASTRE SERVICES**

**WILL REDUCE NUMBER OF CADASTRE DISPUTES IN COURTS**

**WILL INCREASE IN NUMBER OF TRANSACTIONS PER STAFF**

**EXTERNAL USERS WILL HAVE ONLINE ACCESS TO DIGITAL LAND REGISTRY CADASTRE INFORMATION.**



BEST REGARDS...

