

# DATR towards e-Land Administration in Hungary

Gyula IVÁN-Gábor SZABÓ-Zoltán WENINGER-Piroska Zalaba  
 Institute of Geodesy, Cartography and Remote Sensing, Budapest, HUNGARY

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# Republic of Hungary



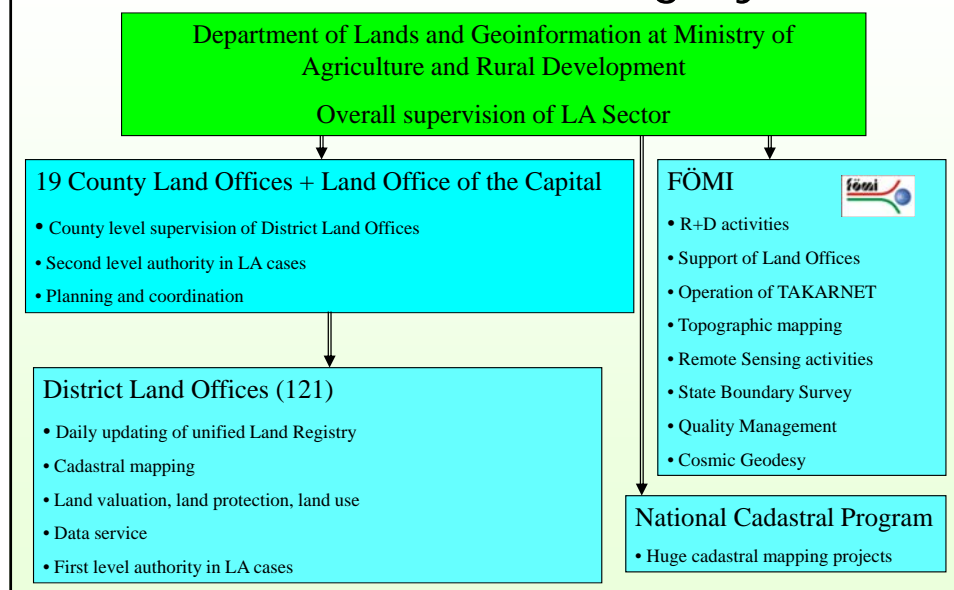
- Area: 93 000 sqkm
- Population: 10 million
- Economy: (GDP based)
  - Services (62%)
  - Industry (27 %)
  - Agriculture (5%)
- Cadastre&Land Registry:
  - No. Of Parcels: 7,6 million
  - No. Of Properties: 10 million

## The Unified Hungarian Land Registry

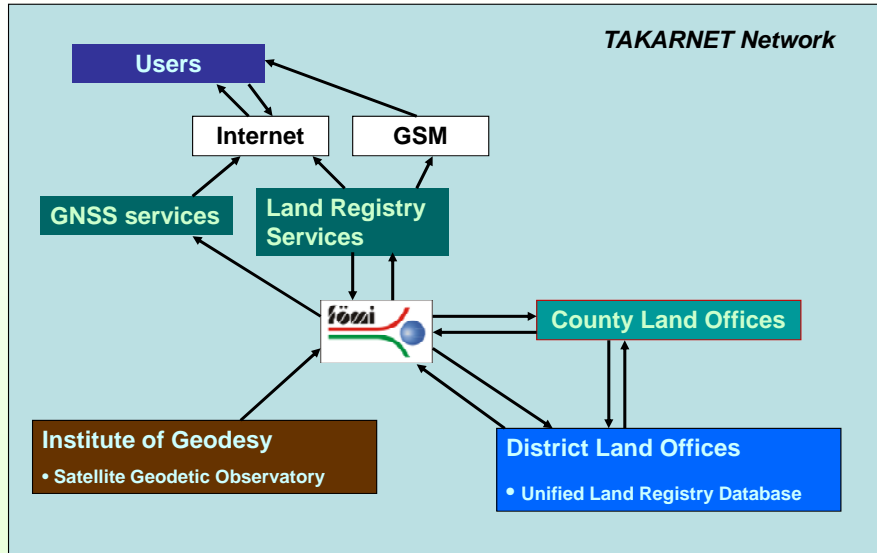
- In Unified Land Registry Cadastral Mapping and Registration of Lands (Properties) belongs to the same organization: Land Office Network
- Unified Hungarian Land Registry has been operating since 1972
- Unified Hungarian Land Registry is a Title Registry, all registered rights are guaranteed by the State



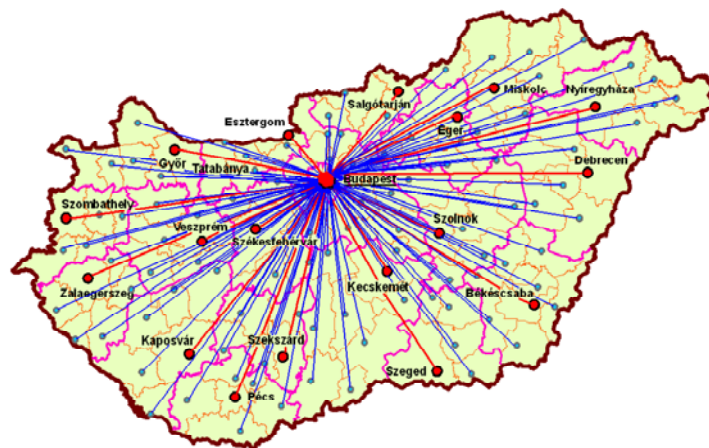
## Structure of LA in Hungary



# Present IT Infrastructure of LA



# TAKARNET Network



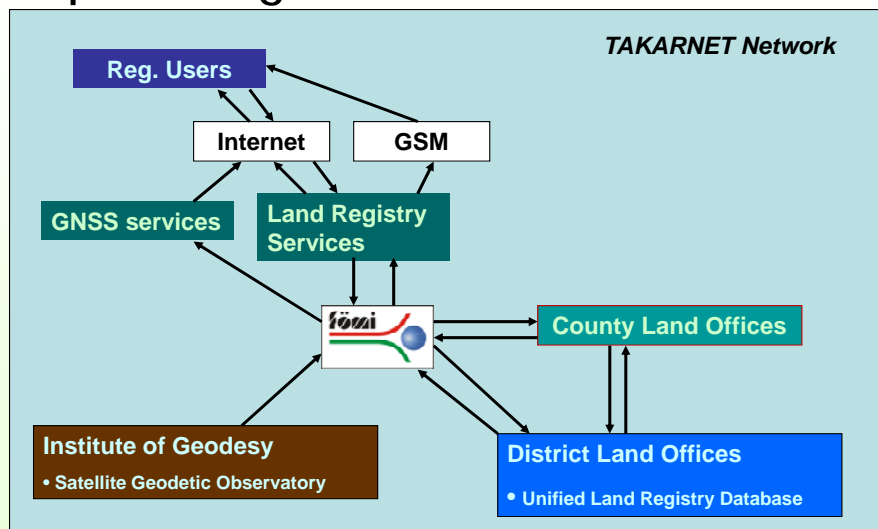
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## Land Registry Services

- Copy of Land Record & Cadastral Map
  - Searching based on Lot number or Address
  - E-authentic Land Records
- Billing information
- Property change monitoring
  - Automated service on e-mail or sms
- All these services are available only for registered and authorized users (lawyers, banks, surveyors, tax office etc.)
- Authorization is licensed by the Ministry

## Operating of Services



# Digital Land Office Concept



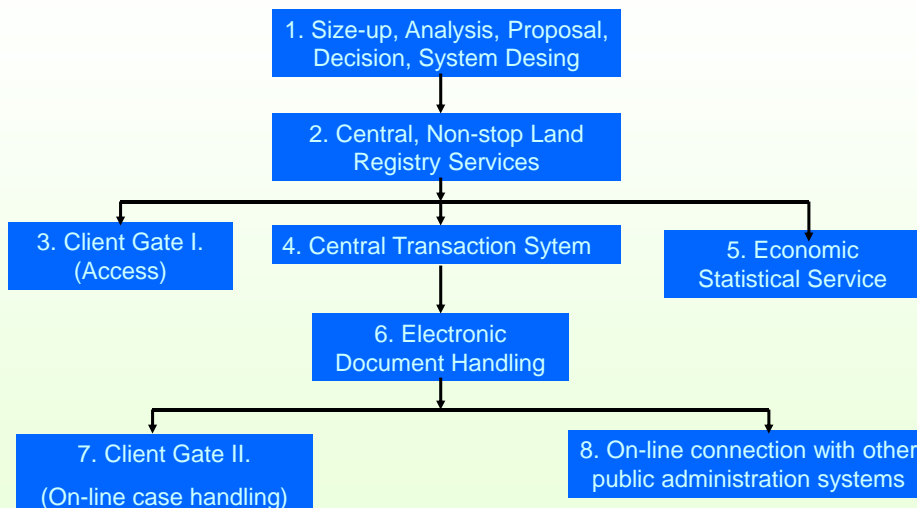
- Long-term (5-8 years) strategic concept for implementing a full e-Land Administration in Hungary
- Main goals:
  - Improve land registry services via Internet for wide-range of users
  - Rationalization of resource requirements of operation



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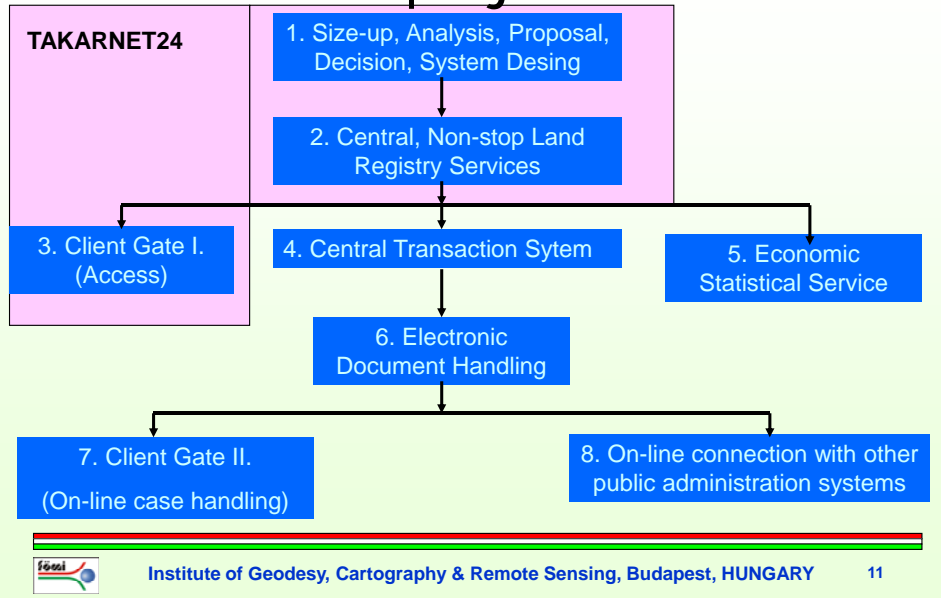
# Elements of Digital Land Office Concept



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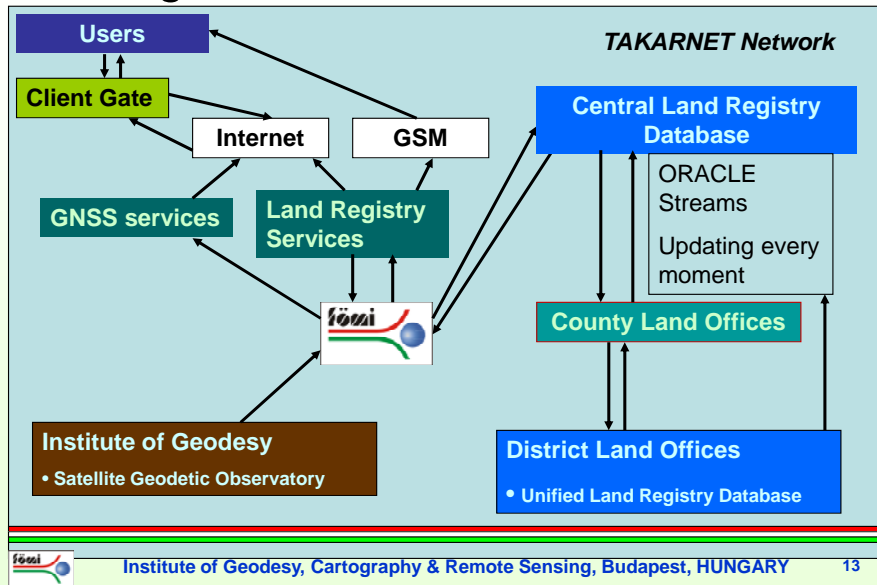
# TAKARNET24 project



# Budapest, Capitol of Hungary



## Changes in Transactions



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## Core of TAKARNET24-DATR



- DATR is an object-oriented integrated information system for the unified registry (both cadastral maps and legal part)
- DATR has developed by FÖMI en bloc (both professional and informatic side)
- DATR has open APIs for customization of the system
- DATR has interfaces for ORACLE and MySQL RDBMSs
- Customization of the system is very easy to any legal and technical environment
- International version of the system will be published
- DATR data model acts as a country profile for ISO LADM



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## Important products of the project



- Unified codes countrywide, central registration and maintenance of codes
- Countrywide Map browser based on orthophotos and cadastral maps
- Connection to Client Gate (operated by the Government)
- Connection to Central on-line Payment System
- Property Change monitoring
- Data warehouse functions:
  - Data mining
  - Statistics



## eEurope2002 - Impact and Priorities



- Four stage framework for public services:
  1. Posting of information on-line (TAKARNET info)
  2. One-way interaction (digital application sheet dl.)
  3. Two-way interaction (dig. Application sheet download and upload)
  4. Full on-line transaction including delivery and payment (downloadable copies, payment, property monitoring)
- TAKARNET24 project satisfies all stages of framework





## Conclusions

- Digital Land Office concept has defines the further development directions of Land Registry Services in Hungary
- Implementation of the firts three steps are going on
- Economic crisis strongly influence the execution of ideas
- TAKARNET24 project will be finished in time, September 2010
- DATR development has shown that the cooperation of land professionals and IT specialists results the best solutions

Thank you for your attention

[ivan.gyula@fomi.hu](mailto:ivan.gyula@fomi.hu)

[szabo.gabor@fomi.hu](mailto:szabo.gabor@fomi.hu)

[weninger.zoltan@fomi.hu](mailto:weninger.zoltan@fomi.hu)

[piroska.zalaba@fvm.gov.hu](mailto:piroska.zalaba@fvm.gov.hu)