Land Administration Data Dissemination Processes: A Case Study In Croatia

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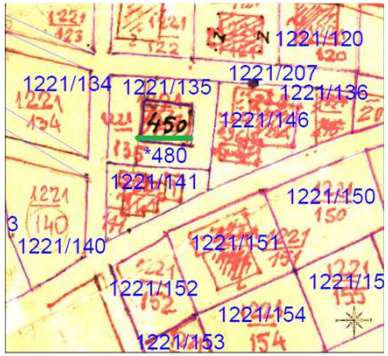
Background

- Static components of LAS
  - LADM Edition I
- Dynamic components
  - Initial data acquisition
  - Maintenace
  - Dissemination
  - LADM Extensions



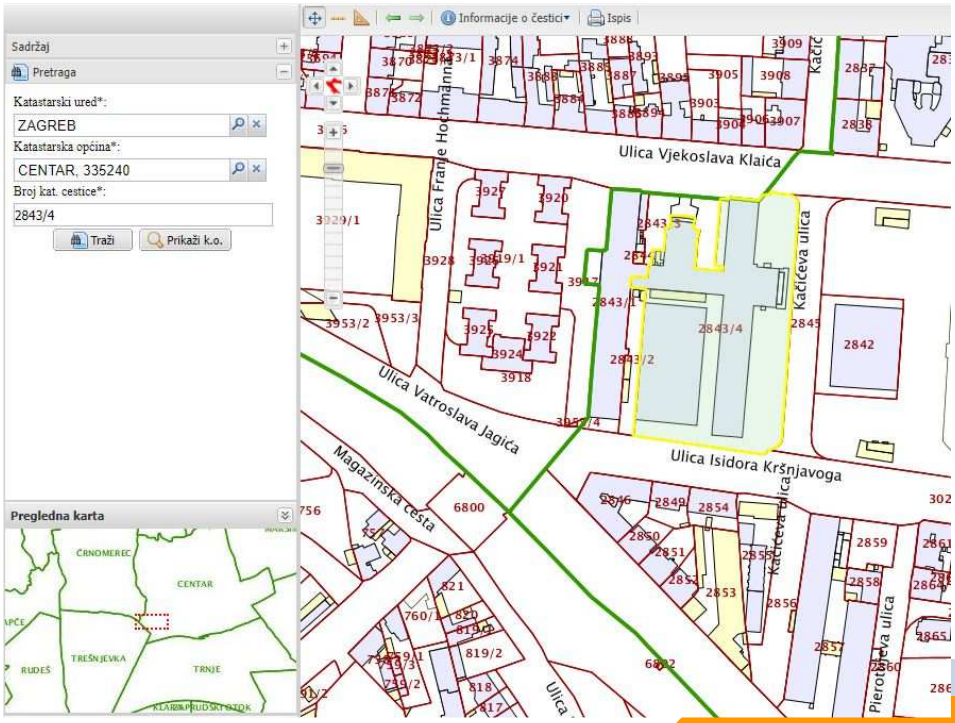
Methodology

- Land administration data dissemination services
  - Cadastral data (JIS)
  - Spatial planning data (e-Permit)
- Formalisation of the process
  - UML Use Case diagramme
- Literature search

- Level 1: Identification of all the actors/elements involved in the process
- Level 2: Identification of process phases
- Level 3: Identification of basic activities
- Level 4: Building of a model

Joint Information System

- Cadastral Map Copy
- Possesory Sheet Transcript
- Land Book Extract
- Public application
- Registered users application
- 36 different purposes for cadastral certificates



Cadastral map copy requests for the period 2017-2021

45,209

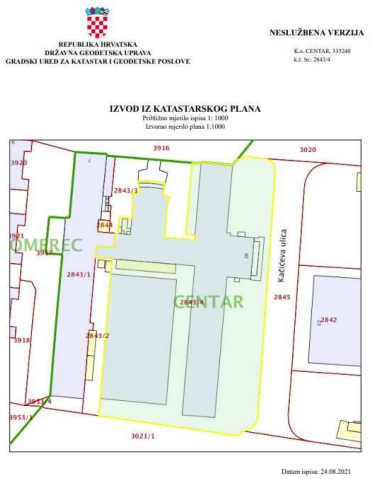
Spatial planning documents

37,239

Geodetic reports

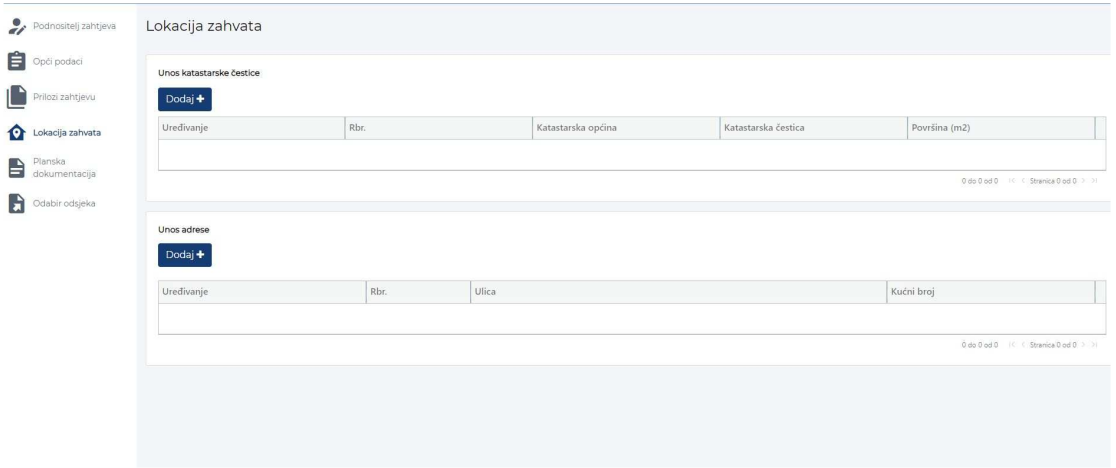
11,070

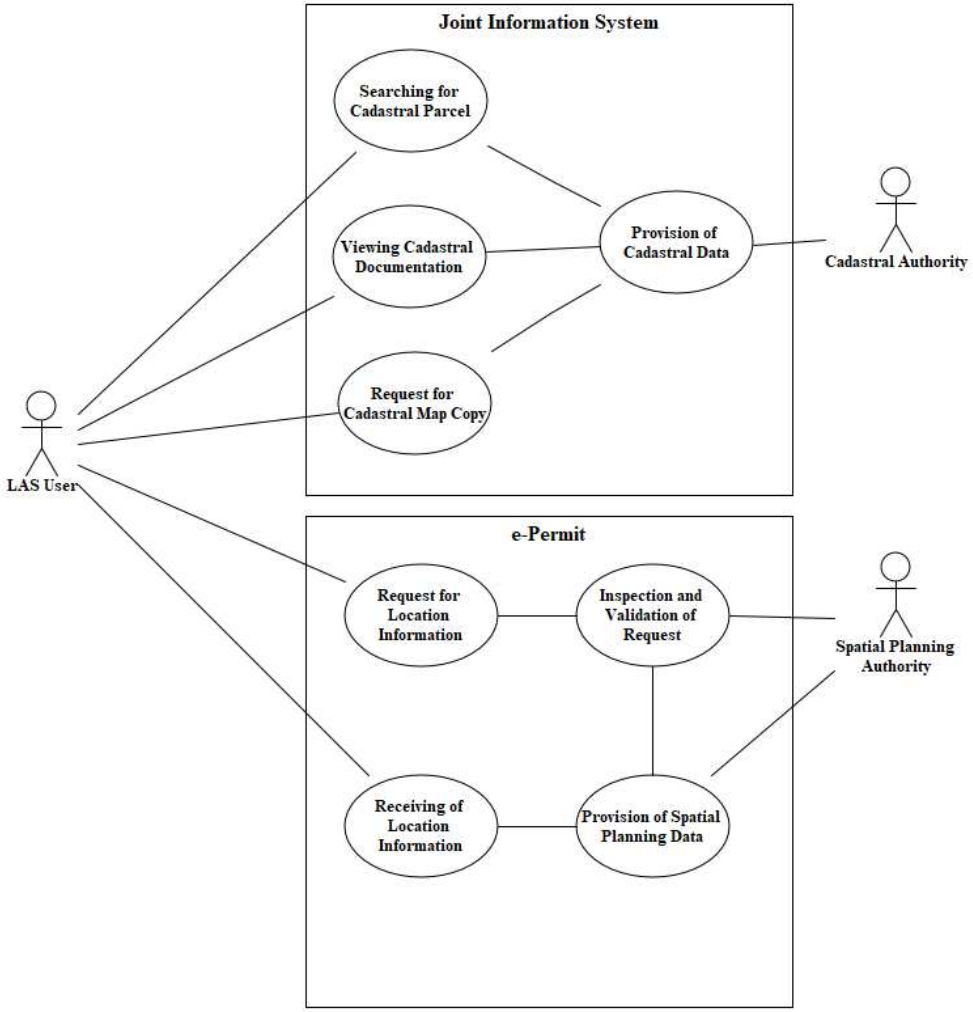
Personal purposes



e-Permit

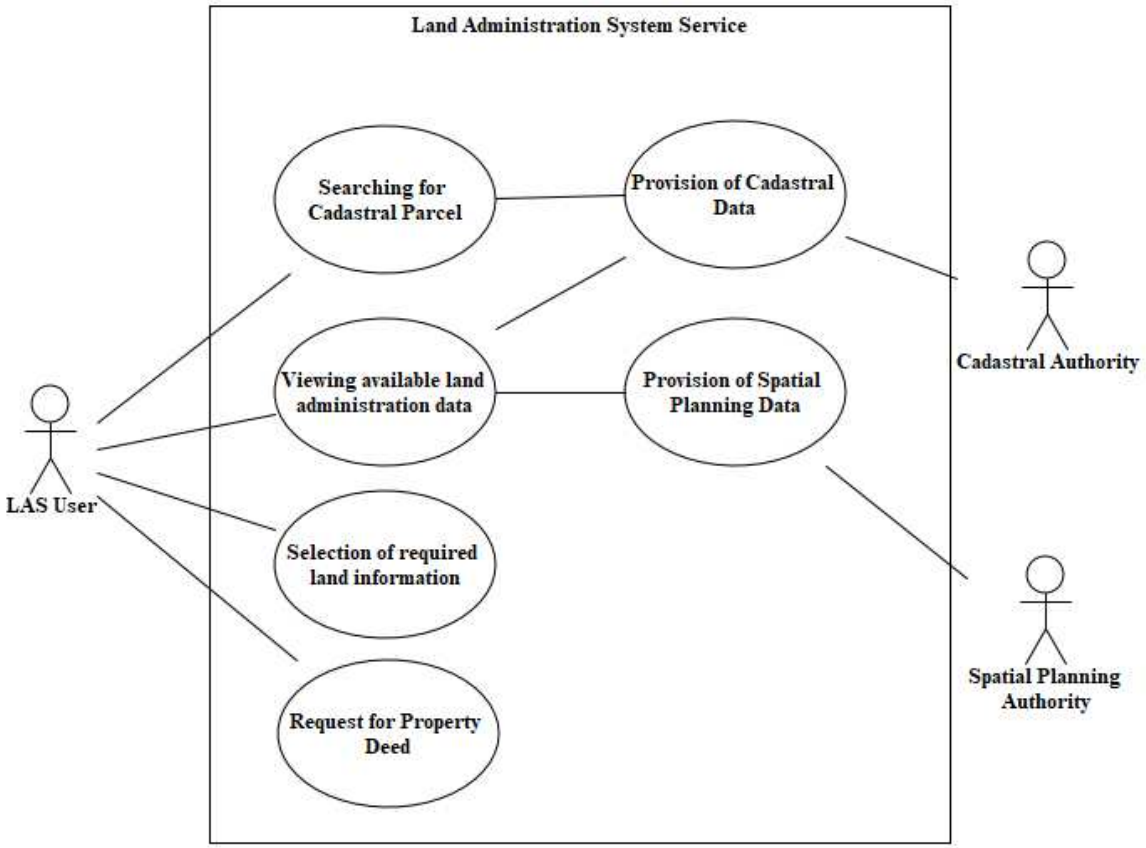
- Location information
- Building permits
- Other spatial planning information
- Registered users
- Non-registered users



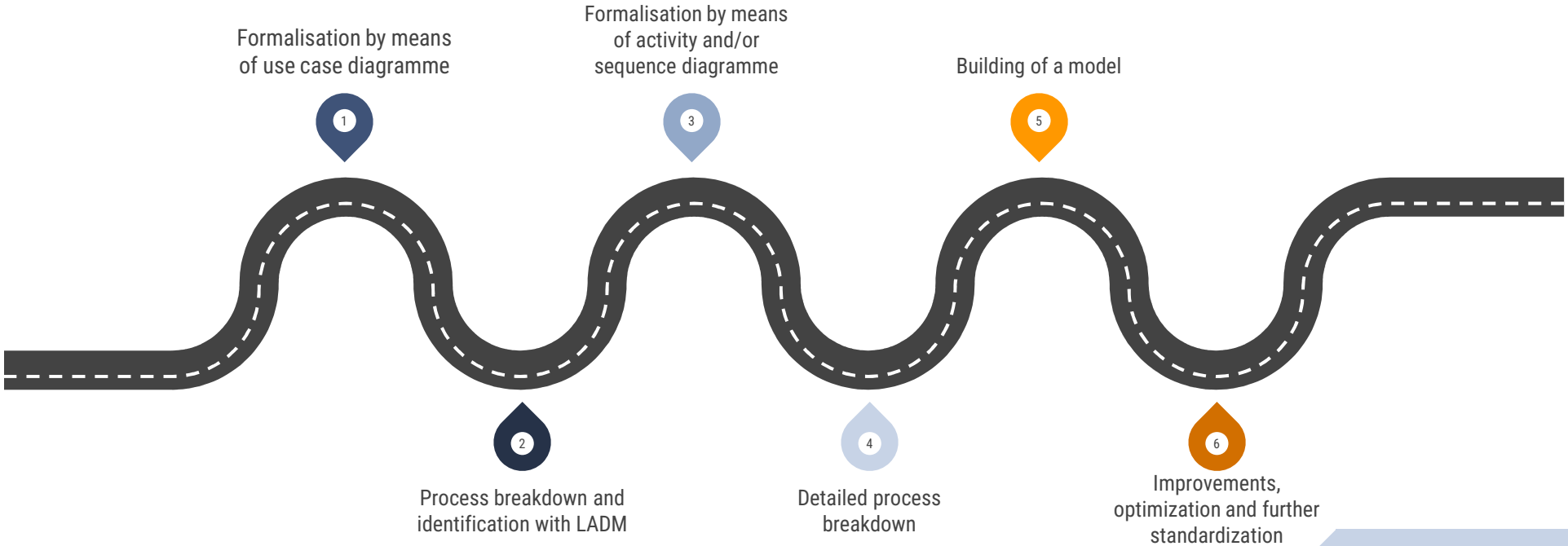

Joint Information System
Searching for Cadastral Parcel
Viewing Cadastral Documentation
Request for Cadastral Map Copy
Provision of Cadastral Data
Cadastral Authority
LAS User
e-Permit
Request for Location Information
Inspection and Validation of Request
Spatial Planning Authority
Receiving of Location Information
Provision of Spatial Planning Data

Analysis and results

Process Elements	Identified Elements			LADM Identification
ACTOR	LAS User	Cadastral Authority	Spatial Planning Authority	LA_Party, LA_GroupParty, LA_PartyMember
ACTIVITY	Search, View, Request	Provision	Inspection, Validation, Provision	/
INPUT DATA	Request for Cadastral Map Copy, Request for Location Information, Cadastral Map Copy	Cadastral Data	Spatial Planning Data	LA_Source, LA_SpatialSource, LA_AdministrativeSource
OUTPUT DATA	/	Cadastral Certificates (Cadastral Map Copy)	Location Information	LA_SpatialSource, LA_AdministrativeSource
TIMEFRAME	/	Instant	Up to eight days	/


Land Administration System Service
Searching for Cadastral Parcel
Provision of Cadastral Data
Viewing available land administration data
Provision of Spatial Planning Data
Selection of required land information
Request for Property Deed
LAS User
Cadastral Authority
Spatial Planning Authority

Conclusion and future work reccomendations



THANKS!

Any questions?
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