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
  - Maintenance
  - 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
## Analysis and results

<table>
<thead>
<tr>
<th>Process Elements</th>
<th>Identified Elements</th>
<th>LADM Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACTOR</strong></td>
<td>LAS User</td>
<td>Cadastral Authority</td>
</tr>
<tr>
<td><strong>ACTIVITY</strong></td>
<td>Search, View, Request</td>
<td>Provision</td>
</tr>
<tr>
<td><strong>INPUT DATA</strong></td>
<td>Request for Cadastral Map Copy, Request for Location Information, Cadastral Map Copy</td>
<td>Cadastral Data</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td><strong>OUTPUT DATA</strong></td>
<td>/</td>
<td>Cadastral Certificates (Cadastral Map Copy)</td>
</tr>
<tr>
<td><strong>TIMEFRAME</strong></td>
<td>/</td>
<td>Instant</td>
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</tbody>
</table>
Conclusion and future work recommendations

- Formalisation by means of use case diagramme
- Formalisation by means of activity and/or sequence diagramme
- Building of a model
- Process breakdown and identification with LADM
- Detailed process breakdown
- Improvements, optimization and further standardization
THANKS!

Any questions?
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