Organisation, network, cadastral data exchange

Citizens

Utilities

Ministeries

Land Registry

Planners

Municipalities

Private Surveyors

Cadastre

Conveyors

Financial Institutions

Real Estate Agents

Organisation, network, cadastral data exchange
Cadastral Data: standards are required

- object (parcel, apartment, spatial unit)
- right (ownership, usufruct, mortgage, restriction, informal, unknown, conflict...)
- person (natural, non natural, group)
- identifiers
  - value
  - Area (GIS area and legal area)
  - classification
  - geographic name
  - person name
- date (birth, establishment, acceptance, transaction, survey, check-in)
- ranking order
- source document
- forms
  - point
  - boundary
  - face, edge, node: topology
- GIS Layers
  - apartment - 3d
  - land use
  - share
  - transaction type
  - purchase price
  - history (check-in, check-out, mother-child, history class)
- right relation
  - mortgage, interest
Work Flow

- Guides User through all steps in a Job
- Controls the Work Process
- Includes manual- & automated steps
- Example: ArcCadastre
Cadastral Update Process Data

- **Transactions**
  - Customers request (application)
  - Quality (accuracy, reliability, collection mode)
  - Name of Conveyor, Surveyor, etc
  - Signature
  - Process step
  - Archive data in use
  - Next open identifier
  - Type of instrument
  - Distance in km
  - Letters to buyer and seller
  - Car in use, fuel
  - Date and time
  - Site
  - Buyer/seller do not agree
  - Authorisation
  - Computer availability

- **Topological errors**
- **Production norm**
- **Time registration**
- **Objection, complaint**
- **Salary scale**
- **Team**
- **Team members**
- **Responsible manager**
- **Status code**
- **Out of tolerance**
- **Line code**
- **Point code**
- **Transformation parameters**
- **Historical data used**
- **Cluster identifier**
- **IT Support**
Complete overview

• The expert must be able to deliver input, throughput and output for all Land Administration Organisations: a new and common Land Administration Language
• The expert must be able to deliver the data for which his or her organisation is responsible for (data ownership, liability, etc)
• The expert understands the benefits of LA
Data Quality
Thank You
Cadastral Domain Model