

Towards the Introduction of Workflow Management at the Netherlands Cadastre

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 FIG Working Week Athens

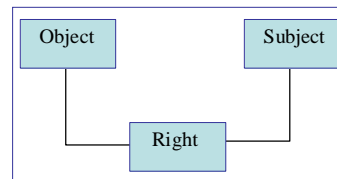


WFM at NL Cadastre

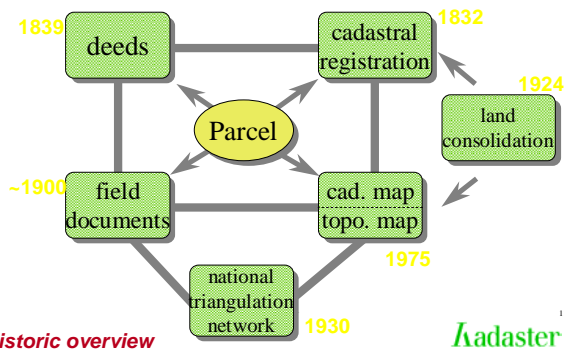
- Nothing really new
- Local approaches
- Customers want standardised products
- Workload
- Public registers, cadastral and topographic mapping under one umbrella
- No link to ERP yet



Basic datamodel



Cadastral Basic Structure



historic overview



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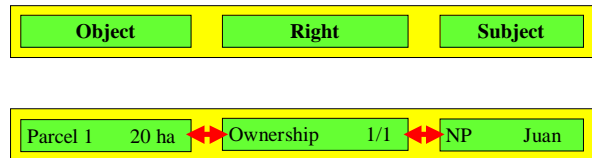
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Relations



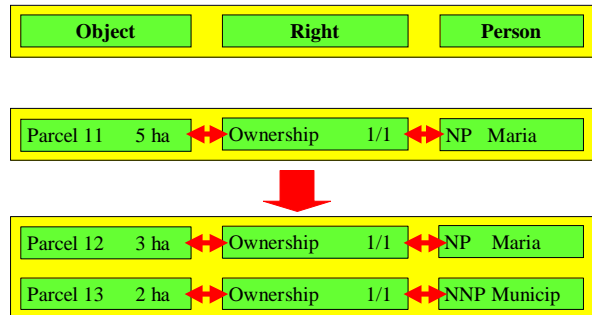
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Cadastral Data

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

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Data change (transaction): parcel sub-division



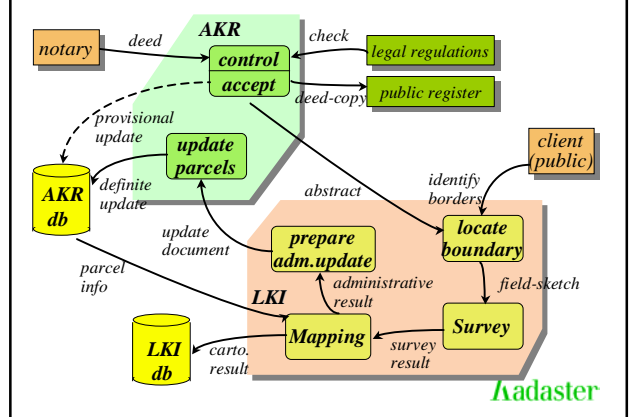
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Cadastral Update Process Data

- Customers request
 - 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

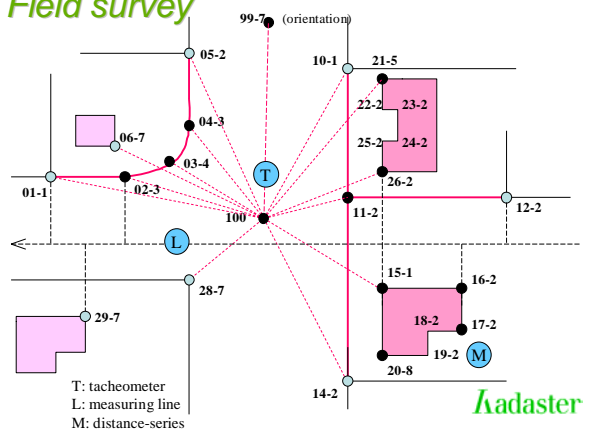
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Cadastral update proces



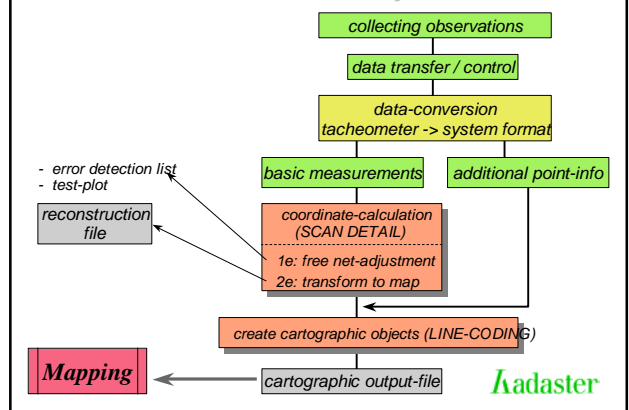
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Field survey



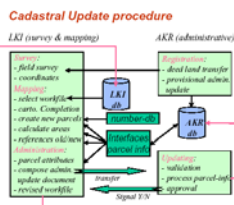
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Field survey



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Procedure Cadastral Updating in relation to existing databases

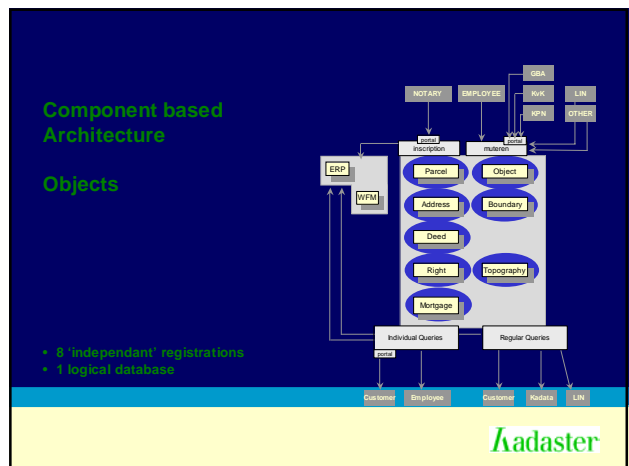


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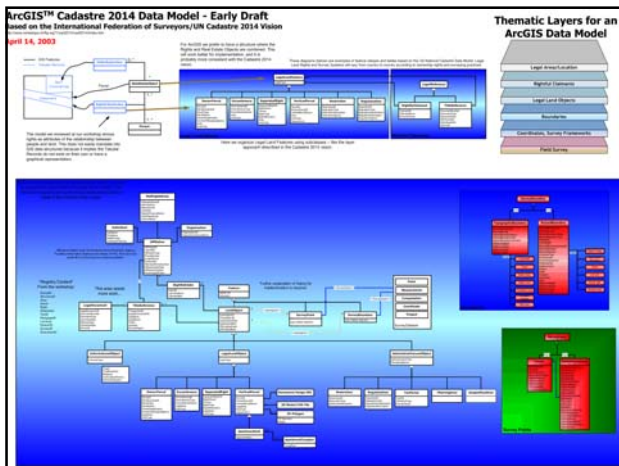
Component based Architecture

Objects

- 8 'independent' registrations
- 1 logical database



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Thank you

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