“Transforming map production”

Overview of the system of Key Registers

Open data

- Since January 2012 the Dutch Cadastre, Land Registry and Mapping Agency (Kadaster) has made its topographic data (the Key Register Topography BRT) freely available to the general public.
Users of BRT Open Data

Why changing map production?
- Changing user needs
- More services orientation
- Changing cartography needs (digital use)
- More up to date information
- More integration between map scales
- Cost reduction (budget cuts)
- Value stream orientation

Holistic approach

Lean focuses on:
- Improved customer service
- Smarter processes and shorter lead times
- More efficiency by eliminating waste
- and cost savings

Lean principles

Kadaster in the Netherlands

AUTO gen

Every day, changes occur in the Dutch landscape
Software

Esri ArcGIS 10.1

Safe FME 2012 SP3

- More than 400 models nested in 3 main models

Model driven

Data generalisation

Displacement

Top10NL

Part 271
Part 339
Part 442

More than 400 models nested in 3 main models
Visualisation

Displacing the partition

Propagate Displacement

Input → Output

Input → Output
Benefits

- Lead time reduction: 5000%
- More up to date information: Improved from 8 to 2 year
- Production costs reduction: ±75 % reduction

Thank you for your attention