The new Austrian real estate register

Inspiration study tour 2013/10/10

BEV - Bundesamt für Eich- und Vermessungswesen

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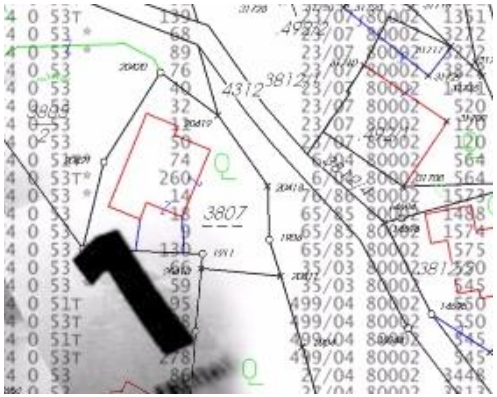
Real Estate Register in numbers

- **Digital Data (area-wide coverage)**
  - approx. 10 million parcels (41 cadastral offices)
  - approx. 3 million register units (140 district courts)
  - approx. 6 million owners
  - several million intabulated rights (many of them mortgages ð credit system!)
  - approx. 10 million update transactions per year



- **Benefit**
  - property assurance and ease of transfer
  - strategic spatial planning instrument
  - approx. 20 million queries per year
  - approx. 14 million Euros revenue per year (not including 1.1% intabulation fee and 3.5% real estate transfer tax)

Initial situation and trigger

- **Initial situation in 2005**
  - real estate database: core register for Austrian e-government
  - host based hierarchical database using technology of the seventies
  - co-ownership Federal Office of Metrology and Surveying (BEV) and Ministry of Justice (BMJ)
  - new requirements regarding flexibility, expandability, ease of integration, manageability

- **Trigger**
  - initiative of federal ministry of justice (BMJ) in 2005
  - council of ministers' resolution from 2005, August 9

Project goals

- modern, flexible, expandable, standardised e-government infrastructure for
  - improved accessibility
  - lower risk

- integration into existing system architectures

- improved real estate rights management process
  - elimination of media conversions
  - process automation
  - simplified quality assurance by integrated digital workflows

- fulfilling customer needs with new or improved products and better accessibility (digital subdivision map, cadastral map preview, parcel history, product web service…)

- improved traceability ⇒ digitally signed products from cadastre and real estate register including archives

Players and stakeholders

- **Sponsors**
  - BEV (representing the Federal Ministry of Economy, Family & Youth)
  - Federal Ministry of Justice (BMJ)

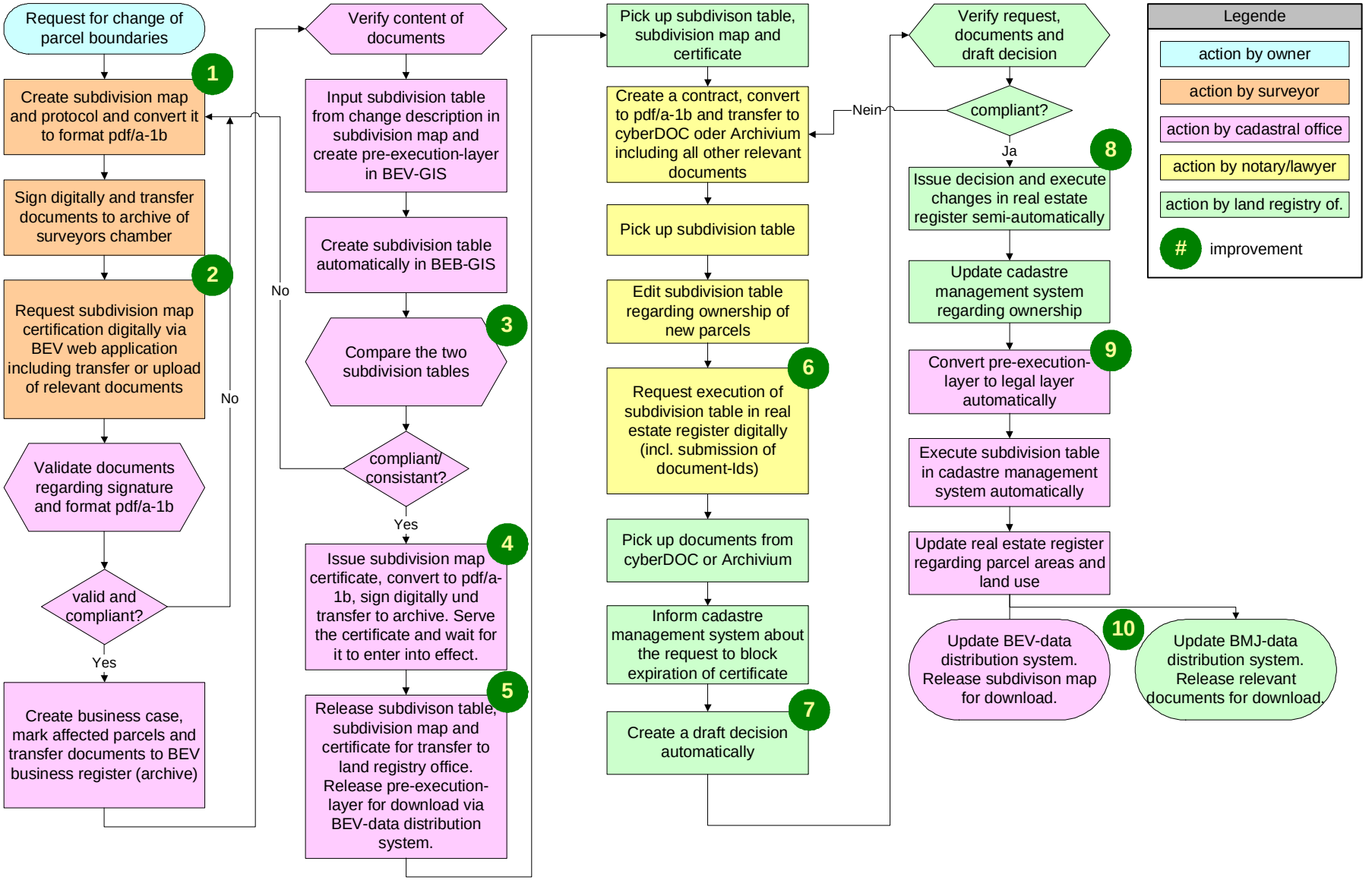
- **Partners**
  - Federal Computing Center (BRZ) => implementer and provider for BMJ
  - Federal Ministry of Finance (BMF) => Project manager and future administrator for BMJ

- **Main stakeholders**
  - Federal agencies, provinces, municipalities
  - Surveyors
  - Notaries, lawyers
  - Data providers
  - Software producers
  - Users

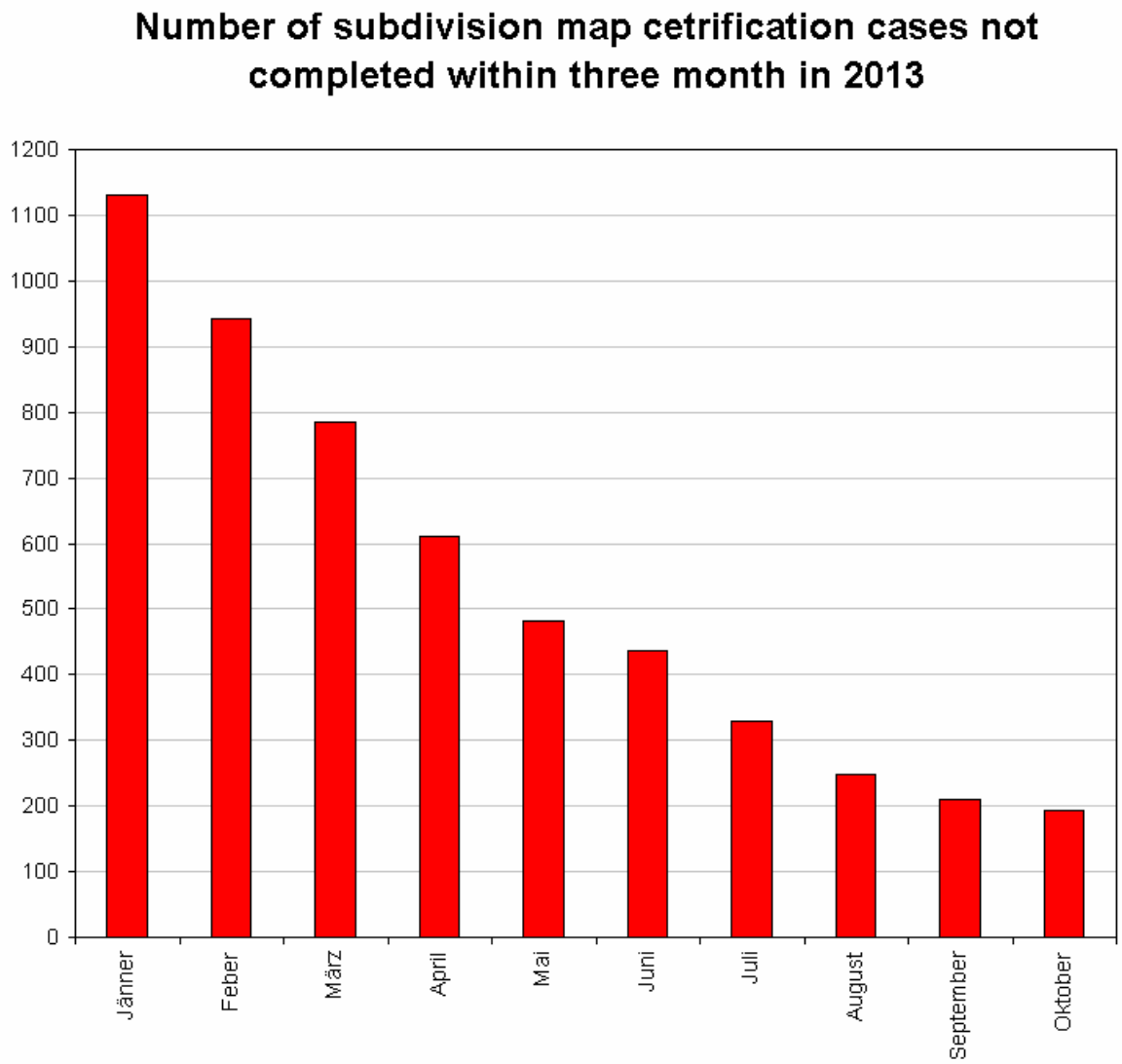
BEV sub projects

- **migration**
  - data migration
  - interfaces and inter operability
- **cadastre management application**
  - GDB replacement + workflow system
- **digital cadastral archive**
  - digital cadastral archive
  - web application for submitting requests & documents
  - signature & PDF/A-1b services
- **distribution system**
  - modification egA-portal
  - enhancement egA-portal
  - product web service
- **IT infrastructure**
  - IT infrastructure
  - portal compound system

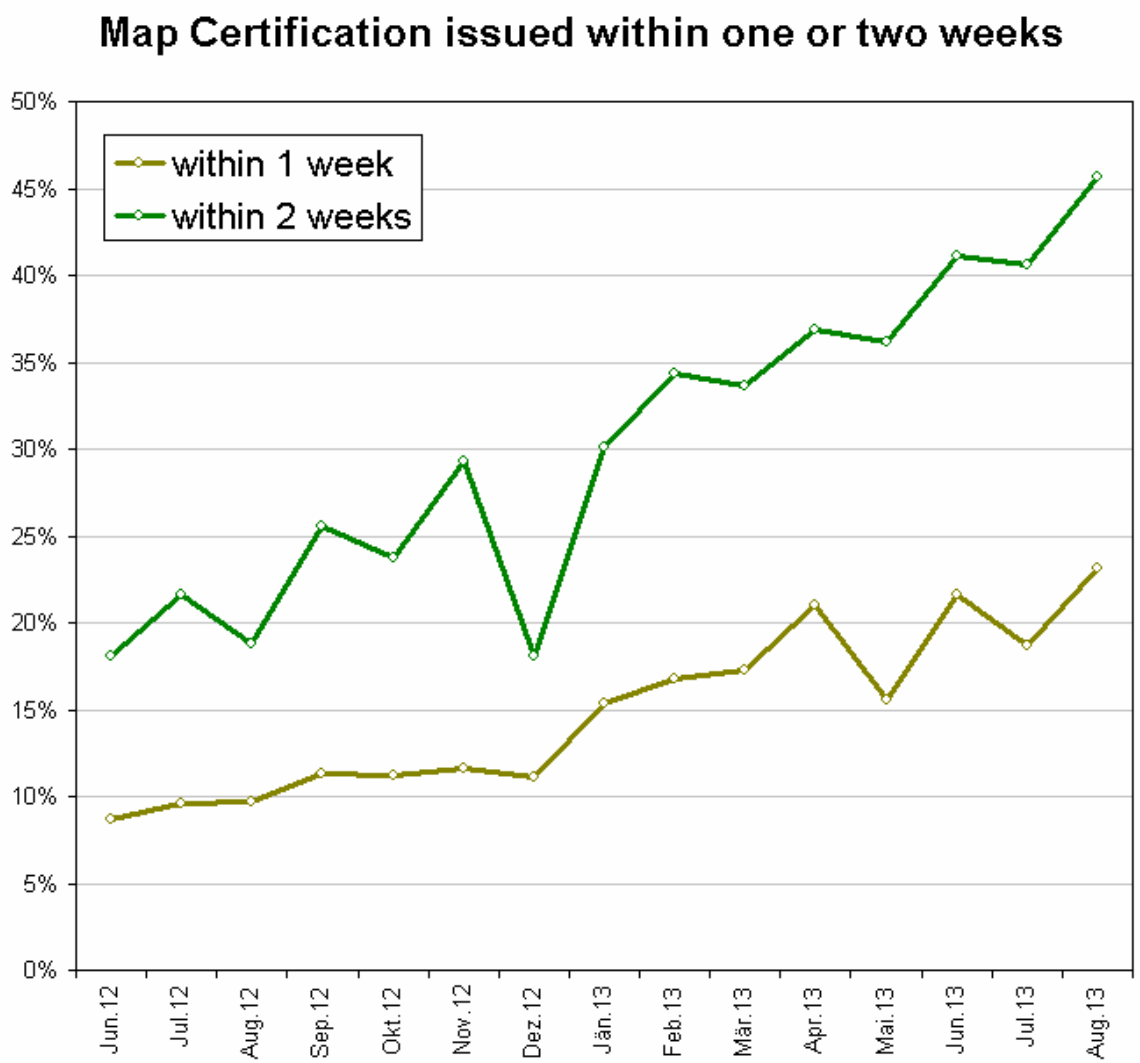
Improvements of parcel modification process



Reduction in long running cases

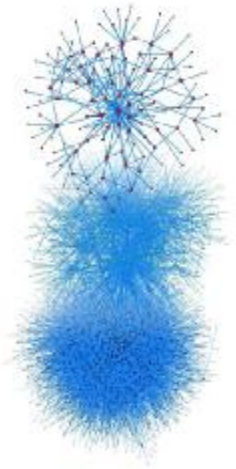


Increase in short running cases

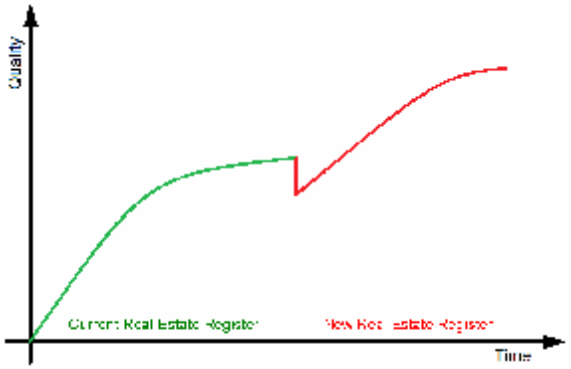


Main challenges

- **Complexity**
  - data (historical data, exceptions)
  - systems (large number of external systems for integration)
  - players and stakeholders (inter agency cooperation, independence of jurisdiction, stakeholder interests, …)
  - processes (exceptions, procedures in different states of progress)



- **High expectations**
  - legacy application at end of lifecycle (30 years of CIP)
  - reengineering without benefit of green field approach



Thank you for your attention