Cadastral innovation
 driven by society: evolution or revolution?

Kees de Zeeuw & Martin Salzmann
The Netherlands

Outline of presentation

- Dutch Kadaster
- Developments
- Driving forces
- Solutions and innovations
- Business strategy
- Consequences
- Conclusion
Kadaster in the Netherlands

- Key registers: cadastre & topography
- Distributor of information on
  - Public restrictions
  - Buildings and addresses
  - Pipes and cables
  - Planning and zoning
  - Large scale base map
  - Valuation information
- Kadaster International

Developments (Netherlands)

- Data ► Information ► Knowledge ► Wisdom
- Office ► Web ► Location / life event
- Environmental management in a virtual world
Driving forces

- Technological
  - Data availability and new data (360° imagery, lidar)
  - Hardware, mobile devices and GPS
  - Globalized business processes

- Societal
  - Complex problem solutions
  - International context
  - Virtualisation of space
  - IT literate end-users
  - Cost reduction and free data

Solutions and innovations

(System of registers)

- Chain integration, web services
- Data collection (RS, GPS, equipment)
- Technology
  - Location Based Services
  - Augmented reality
  - Crowd and cloud
  - 3D and 5D

(kadaster)
Business strategy

- New registries
- New services
- New policy
  - Focus on cost control
  - Quality and continuity
  - User orientation, serving customer needs
  - Collaboration (private, public and science)
  - Flexibility (including the sourcing of specific tasks)
  - Influence (inter)national preconditions (standards, services)
  - Think global

Consequences

- Smart investment
  - Partnerships
  - Crowd sourcing
  - Cloud computing
  - Open and closed source
- Capacity building
  - Knowledge workers, surveyors 2.0
  - International context
  - Co creation capabilities
Conclusion

- Innovation is a prerequisite, not a hobby
- Continuously adapt strategy, systems, services, organisation, people, business models
- Active innovation: part of (fast) evolution
- Passive attitude: spectator of revolutionary land registry developments
- Sharing of knowledge: Kadaster International

Thank you!