



Cadastral innovation driven by society: evolution or revolution?

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Outline of presentation

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



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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



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Developments (Netherlands)

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



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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



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Solutions and innovations

(Innovation budget: 12%)

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

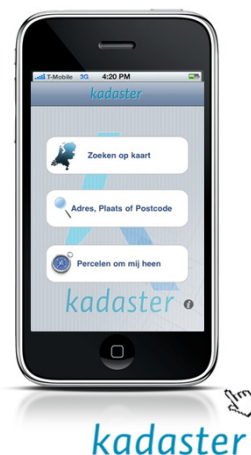


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Business strategy

- 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



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Consequences

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



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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

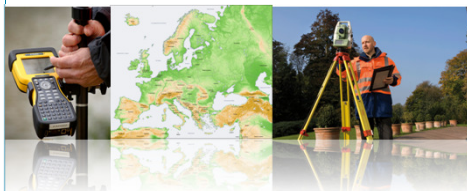


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Thank you!



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