Tenure Security as a Service

Kees de Zeeuw and Martin Salzmann
Cadastre, Land Registry and Mapping Agency
The Netherlands

Presented at the FIG Working Week 2017,
May 29 - June 2, 2017 in Helsinki, Finland
Towards land tenure security

Changing world

Need for security and stability

Digital Society

Role LR and cadastral authorities

Fit for purpose land tenure security
Guidance by Sustainable Development Goals

Everything happens somewhere and sometime.

Does our information match demands in space and time concerning land tenure security?
State of play in the Netherlands

Statistics Netherlands 2016
What if......

...Personal Data Protection becomes more important than Public Access?

<table>
<thead>
<tr>
<th>Huisnummer</th>
<th>Straatnaam</th>
<th>Type</th>
<th>Bouwnummer</th>
<th>Datum van aanslag</th>
<th>Bouwjaar</th>
<th>Bouwjaarstatus</th>
<th>Bouwjaarstatus</th>
<th>Bouwjaarstatus</th>
</tr>
</thead>
</table>
What if…

…Users and citizens become surveyors?
What if…

…Land uses shift and blend?
What if…

…Need for security of use also is an issue?
What if...

...Developers will be our most important customers and partners?
What if…

…Contracts are digital and are secured by digital trusted third parties?
Impact of Digitization

• Data and information
  - available
  - accessible
  - structured, linked, big data from numerous sources

• Networked society
  - contributors and developers
  - authority primarily based on contribution to the network
  - sharing is the new normal

• Privacy

• Artificial Intelligence
Confidence and Trust

• Confidence
  - information is secure, trustworthy and impartial
  - knowledge is shared
  - continuity is guaranteed

• Inclusiveness
  - open to all stakeholders in society
  - personal rights acknowledged

• Legal and legitimate
  - checks and balances fitting to the digital age
  - rights, restrictions and responsibilities
Taking up our role as Service Provider

- Key-partner in the public-private network related to tenure and use of land and real estate.
- Focus on providing added value to society based on legal and legitimate demands
- Interoperable at levels of data, processes, organisations
- Committed to continuous improvement
- Impartial
- Accountable
Smart Surveyors for Land and Water Management