



The evolution of the cadastre; towards a networked ecosystem

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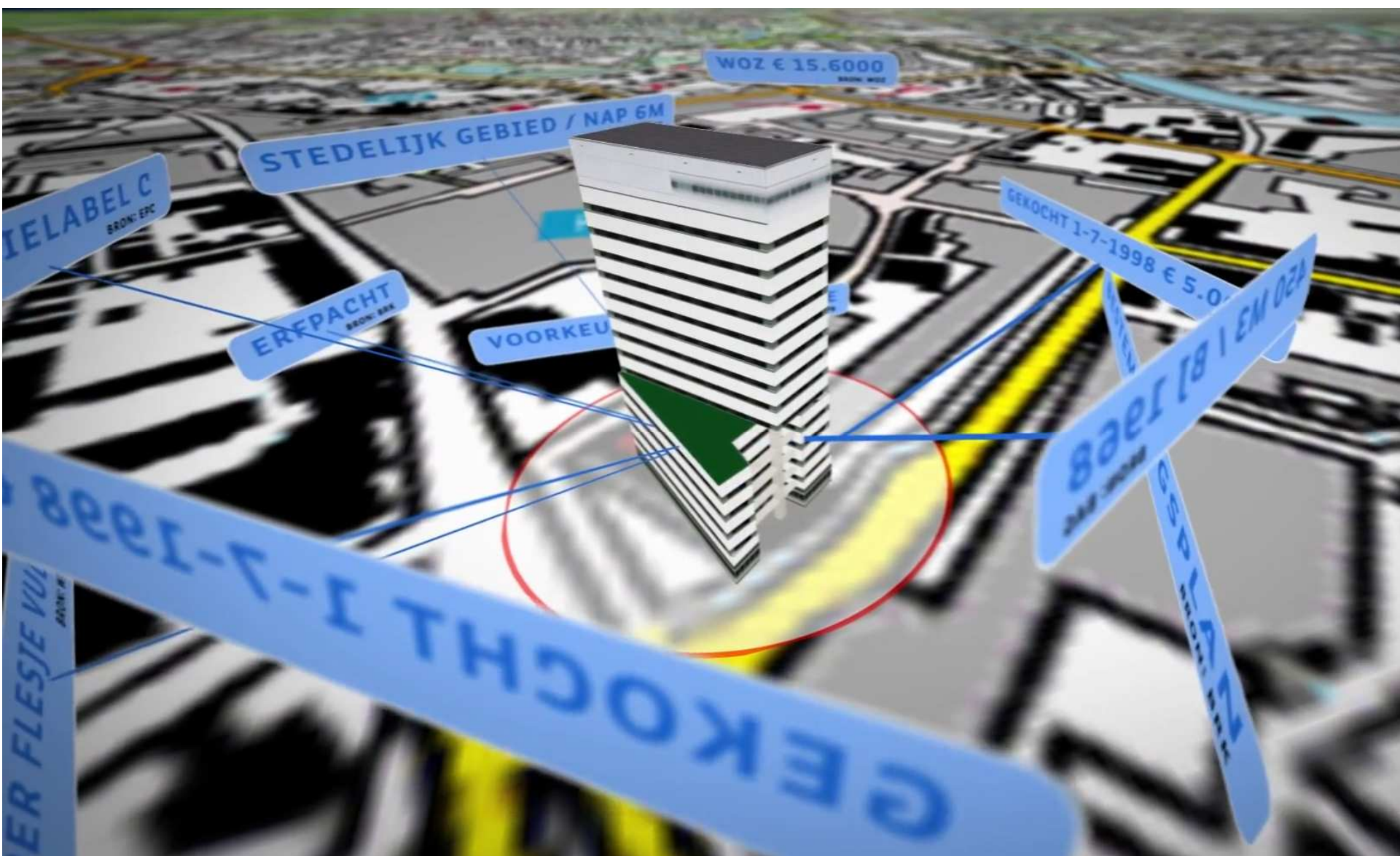
Cadastre, Land Registry and Mapping Agency
of the Netherlands (Kadaster)

Eurogeographics Cadastre and Land Registry KEN
Zürich, March 20, 2015

Society in transition Dynamics and stability

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Cadastral surveying



Land Registry



Land consolidation



Cables and Pipelines



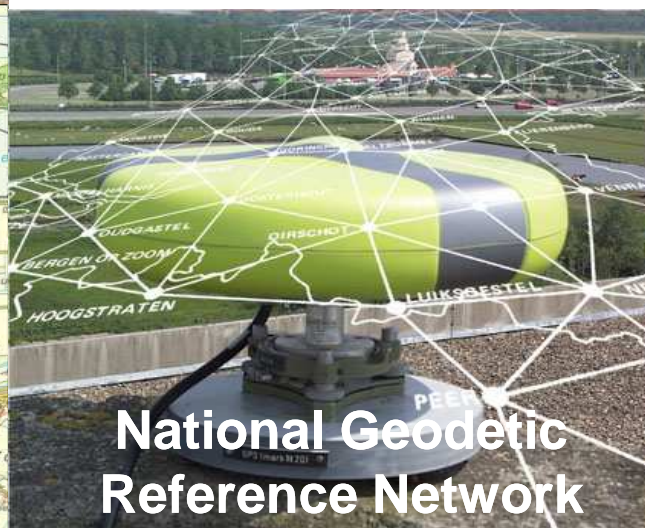
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feitelijk verrassend



Key Registers
Information node
eGovernment/NSDI



Topographic Mapping



National Geodetic
Reference Network



Mijn Kadaster

 Inlogcode
Wachtwoord

Information service

Probeer of het internetadres in de adresbalk begint met <https://mijn.kadaster.nl>

Time travel: 1995-2005-2015-2025..



What change?

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Time Travel Kadaster

1995

2005

2015

2025

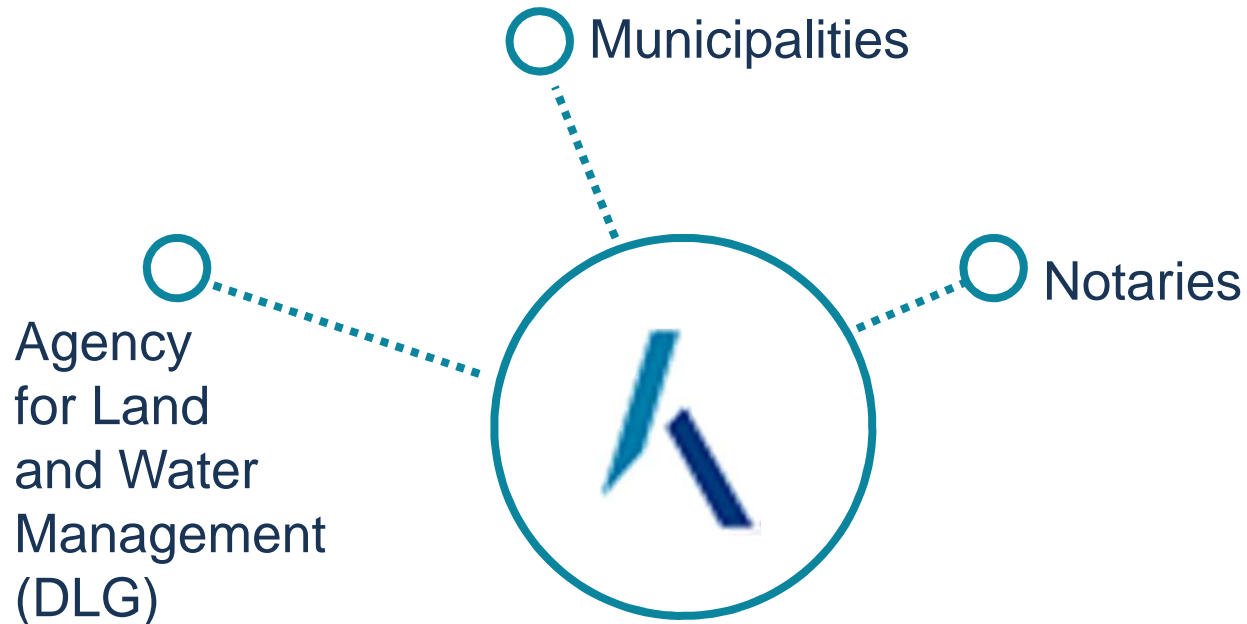


What are our origins, what is our destination?

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Time Travel Kadaster

1995



Arrangements for the primary processes
(large scale basemap, cadastre, land consolidation)

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Time Travel Kadaster

2005



Integration of national mapping agency
Kadaster-on-line
First steps in electronic conveyancing
eGovernment – public services

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Time travel Kadaster

2015

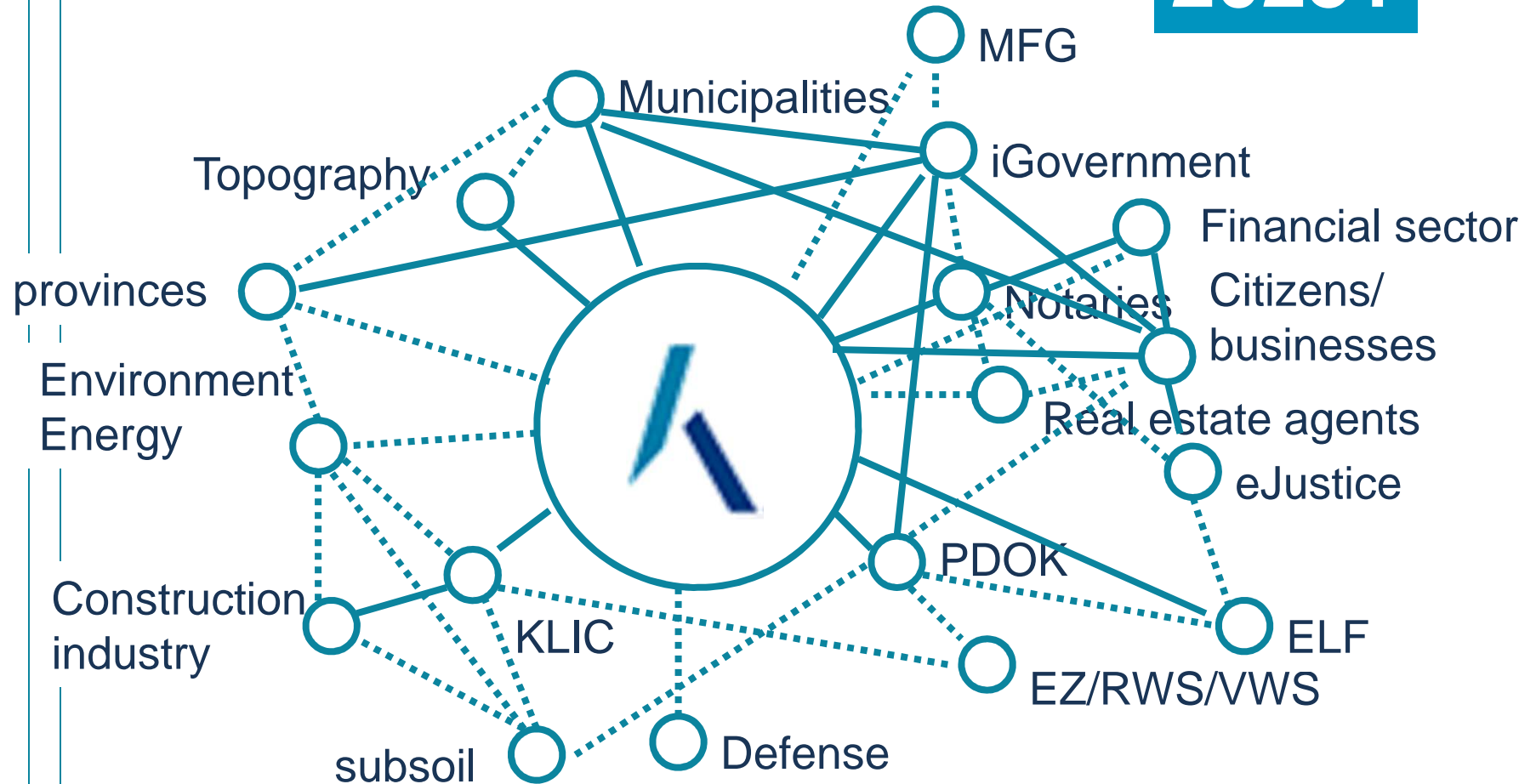


From eGovernment to iGovernment
Information nodes (KLIC, PDOK)
Chain integration with notaries

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Time travel Kadaster

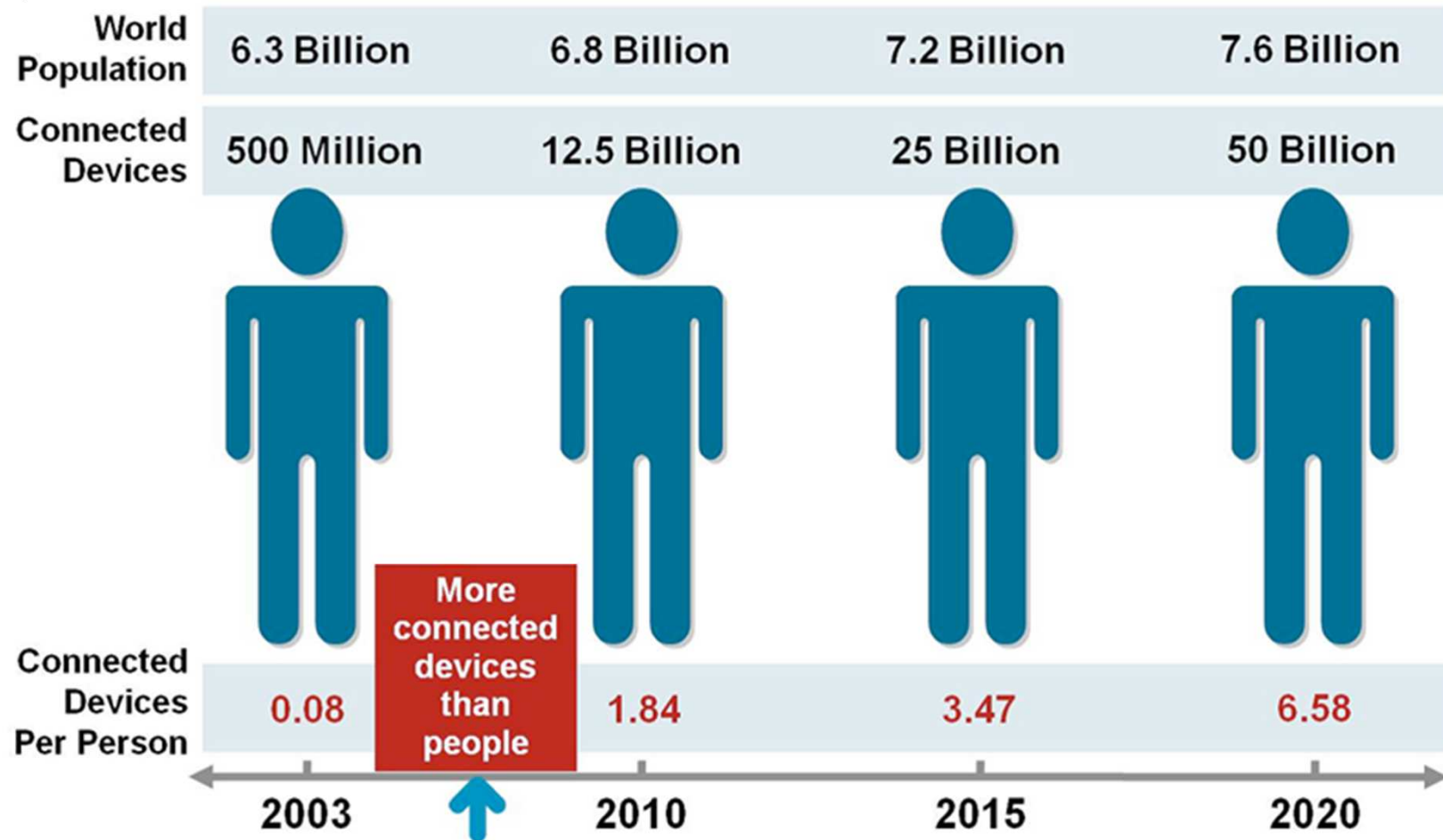
2025?



Do it yourself surveying; cradle to cradle processes
Linked data; European transactions/information

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Time travel: unprecedented connectivity



source: Cisco IBSG: April 2011

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Networked Societies: decentralisation *and* centralisation

decentralization

fragmentation
independence
freedom

&

centralization

integration
dependency
rules

communication
standards
normalisation
infrastructure

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Networked societies: authority, trust and dialogue

1. From *authority* based on laws and regulations to authority based on contribution to the network
2. From *trust* based on legal or vested position to trust based on participation in and contribution to the network
3. From top-down communication to *dialogue* with partners and stakeholders

Reputation and role depend on what you do and contribute

Cadastre has characteristics of central, decentral,
and shared role *kadaster*

Time travel: unprecedented urbanisation



<http://todayilearned.co.uk/2013/03/02/how-dubai-changed-unrecognisably-in-just-15-years/>

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Property

Sharing

Use



Users' participation



users are
connected

users are
accustomed to
real-time access
to **information**

it seems obvious
that they can also
provide information

Source: Land Information New Zealand, Cadastre 2034
http://www.linz.govt.nz/sites/default/files/docs/cadastre_strategy_web4.pdf

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Cadaastre of tomorrow

- Cadaastre is network-oriented:
partner in the information network of iSociety
- Cadaastre is user-centered: works *with* users
and partners instead of for them
- Cadaastre is fit for purpose (rights and use)
- Authoritative role based on contribution to
network, participation and dialogue

Access to trust

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Versatile Adaptable Multi-purpose



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