

kadaster



# Publicity and information security in land registration strategic issues in developing a data-based resilient cadastre

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International conference  
*Resilience, innovation, interoperability and digital unity in  
cadastre, land registry and land information*  
Paphos, Cyprus, May 7, 2026



# A world in transition

*geopolitical*

*big tech*

*technology (AI)*



## Kadaster strategy outlook

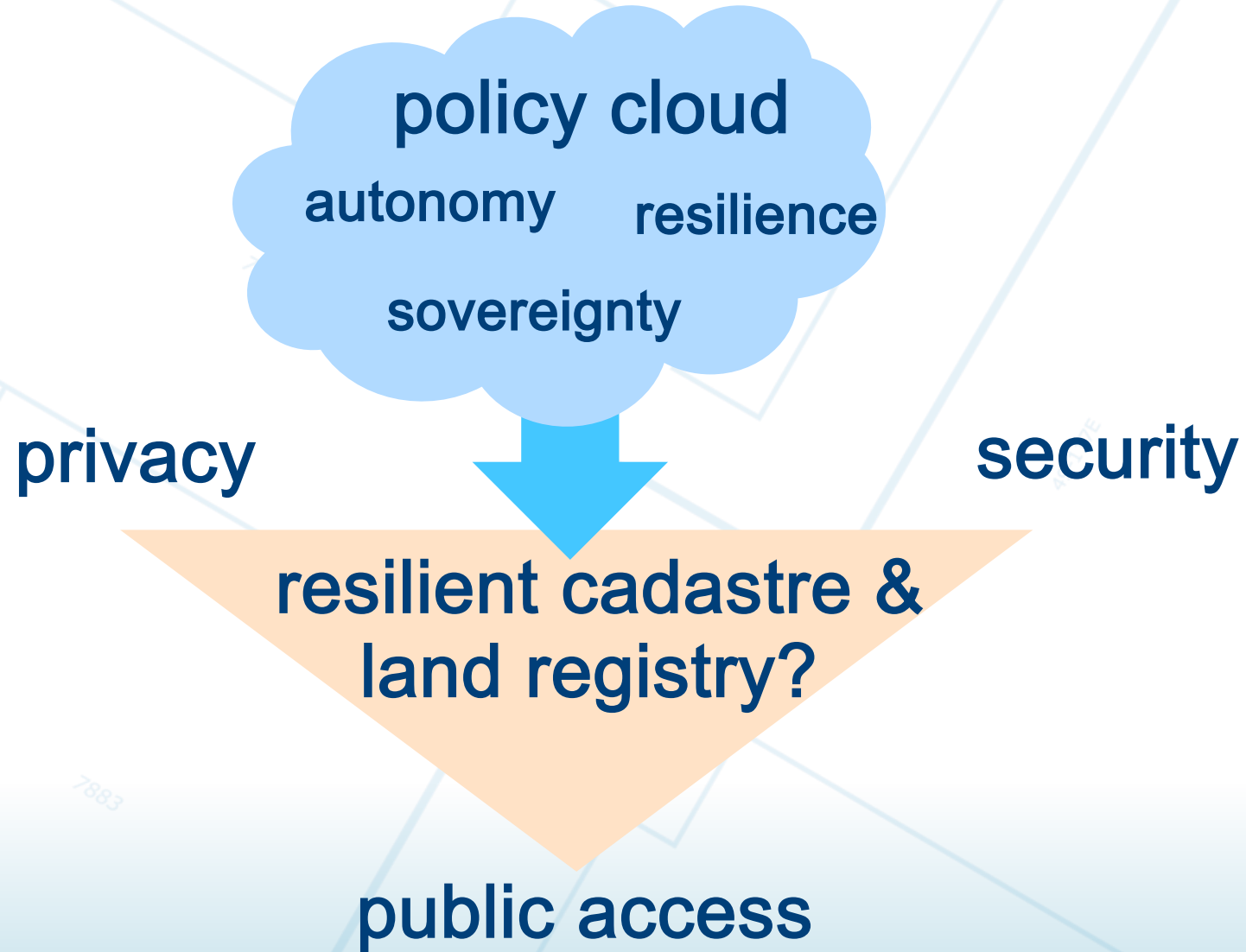
*privacy and (personal) data control*

*trustworthy data*

*cyber security*



# impact on cadastre and land registry





# Impact on cadastre and land registry

privacy

security



EU General Data Protection Regulation

resilient cadastre & land registry?



transparency  
public access



Open Cadastral Map

A single place to find European Cadastral map data

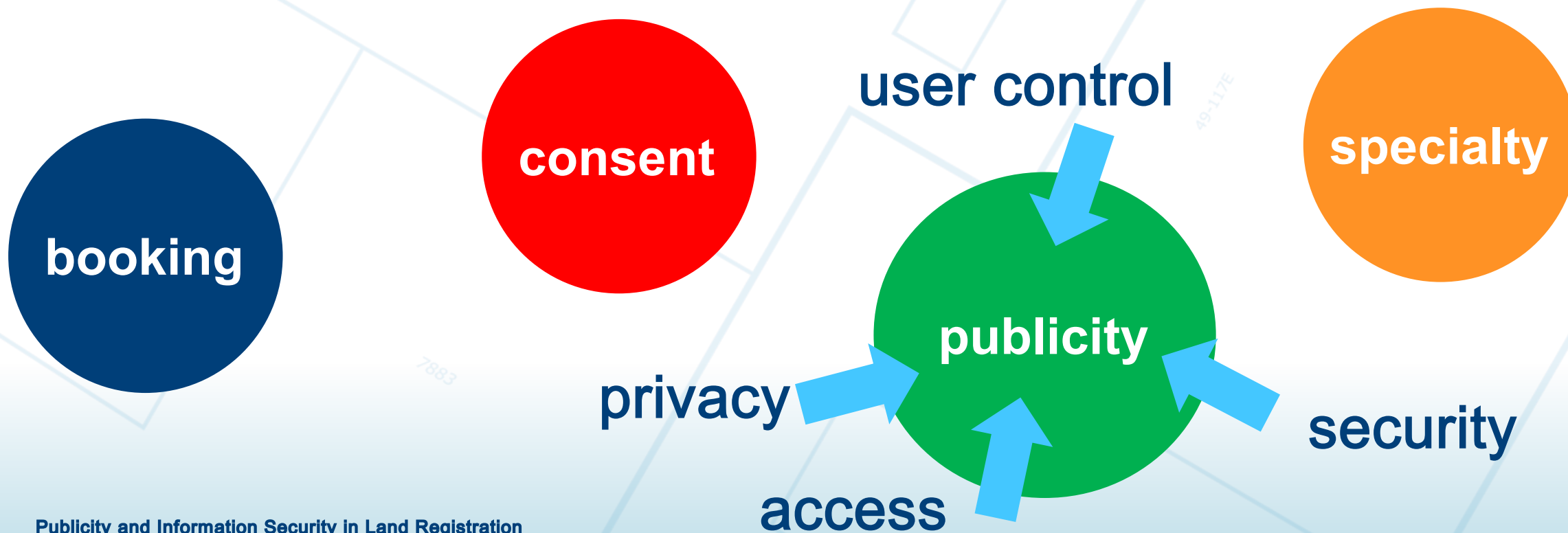
Legal registers (less) open?  
Issues of security and privacy



# How does this relate to principles of C&LR?

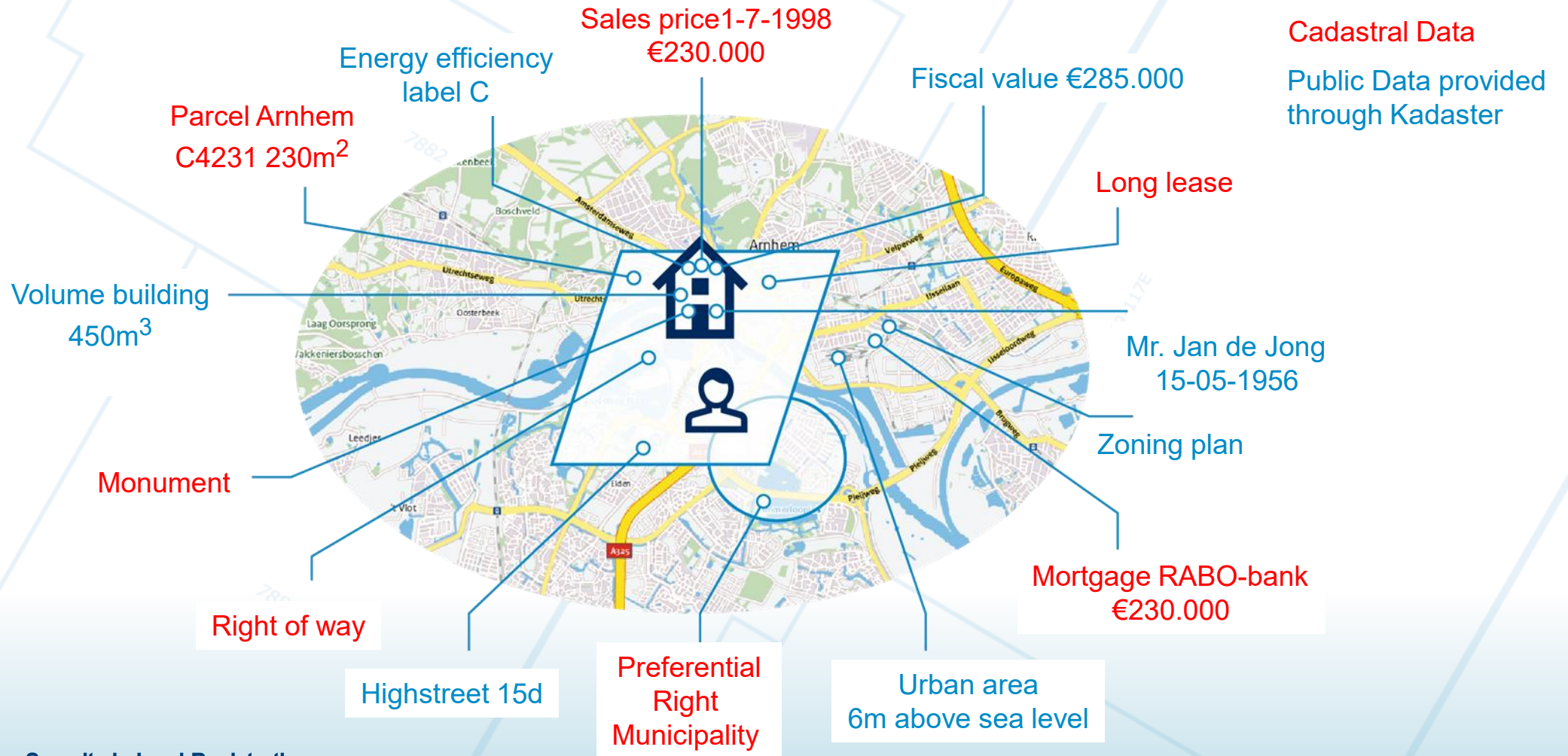
## *Basic legal principles of land registration systems*

*Henssen (1985) (FIG seminar modern cadastres and cadastral innovations)*





# A wealth of accessible information on real-estate

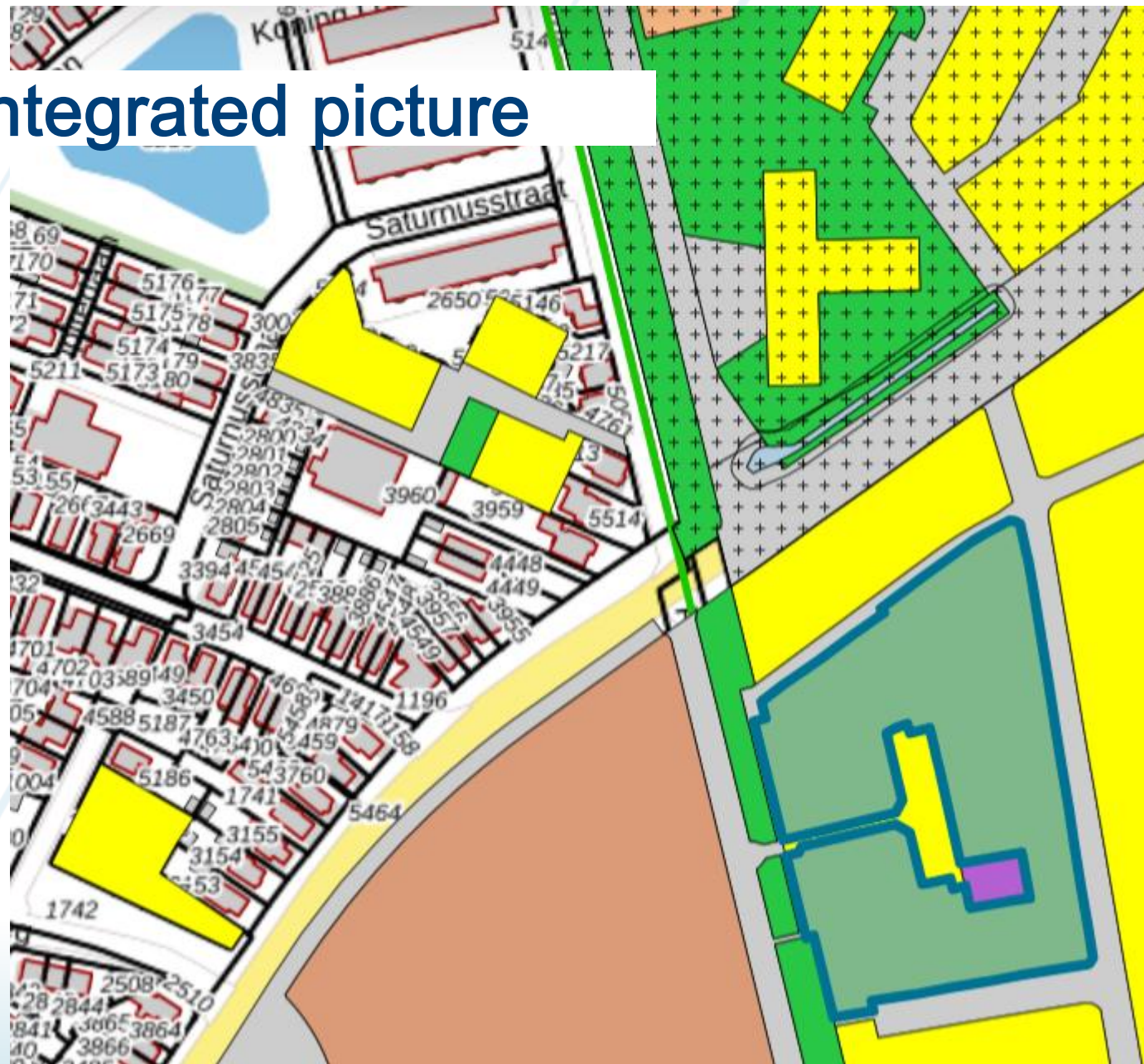


# Users expect the fully integrated picture

- Rights (private law)
- Restrictions (public law)
- Responsibilities
- Value
- Building information
- Zoning information
- Link with spatial data infrastructure

The combination of these data:

- can lead to confidentiality issues
- requires integrated updating and quality management





# Less open geodata vs publicity cadastral info

Debate on open geo-data has been triggered by Dept of Defense  
Impact on our services related to the full picture

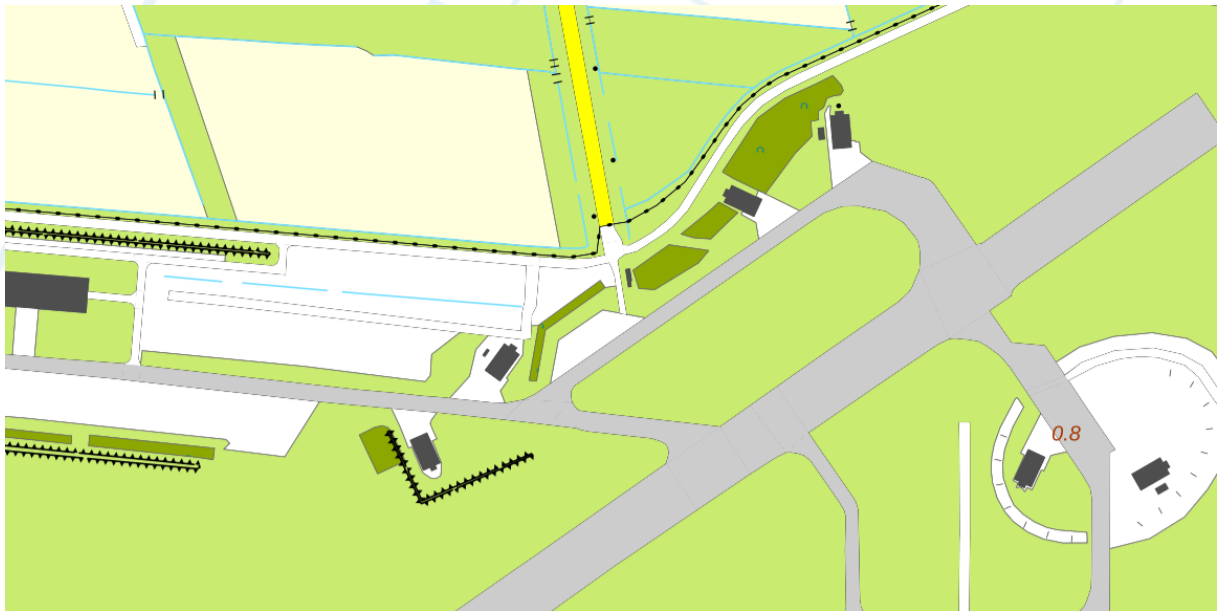
*Purpose* is to make geo-data less accessible  
when it relates to critical infrastructures

*Dilemma* is that much of this geo-data is also used  
by many well-meaning actors: find the proper balance

Cadastral data is not automatically open data



# Accessibility of cadastral data and geodata



Open cadastral map  
Publicity core characteristic

Leeuwarden AFB  
Should these geo-data be open?





# What is the way forward?

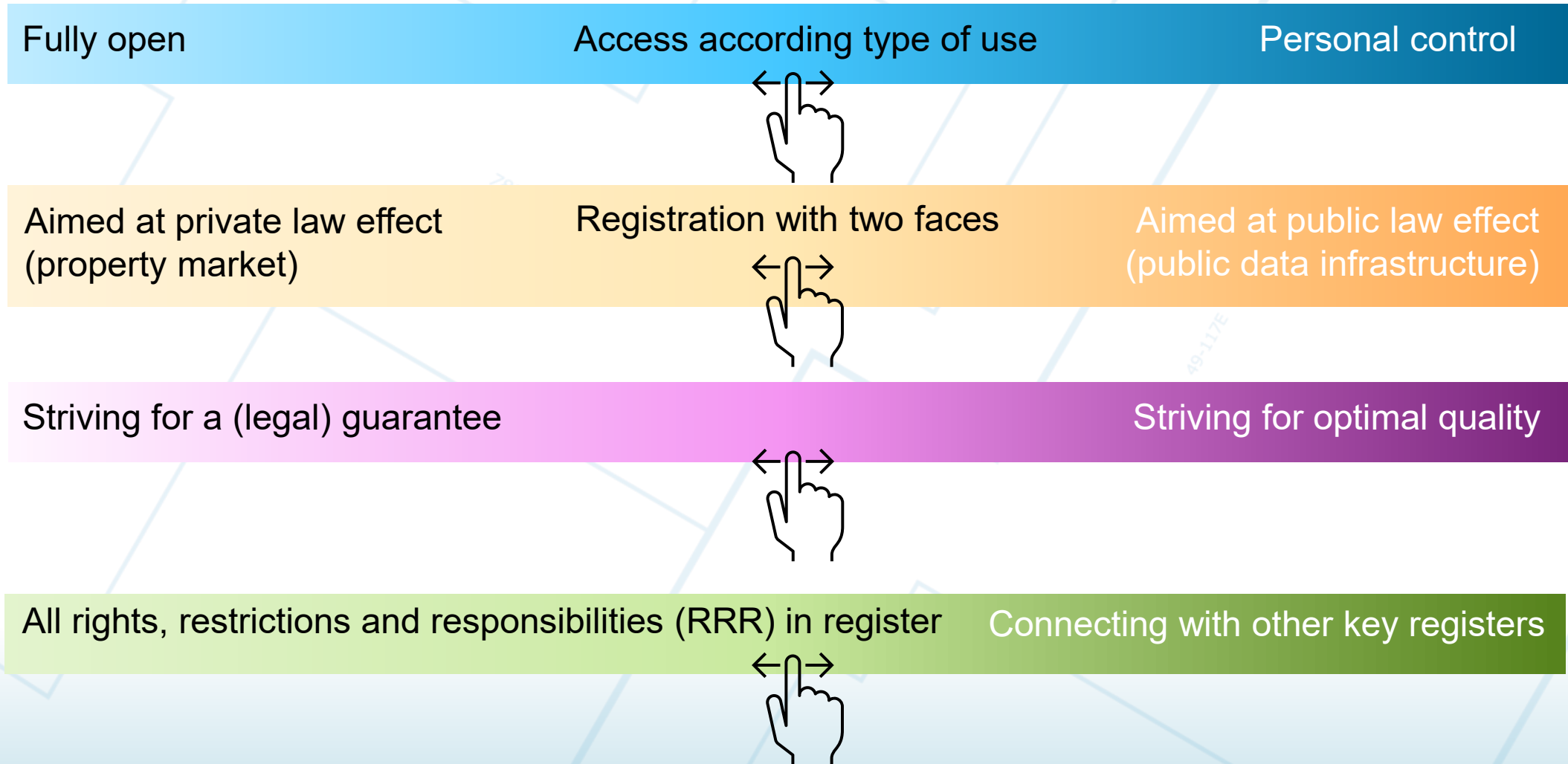
We have chosen to elaborate a vision for the cadastre with as core element our key register cadastre (insight in the current legal situation)

In this process we have defined a number of spectra of thinking:

- from fully *open* to personal *control*
- legal status from *private* law to *public* law
- from *legally binding* to *optimal quality*
- from *integrating* all information/data to *connecting* information/data

For this we organize consultations with our ministry, value chain partners in land registration, stakeholders and users, being aware of and responding to the external developments

# Options to consider...



# Impact on and relation with publicity which aspects have to be considered?





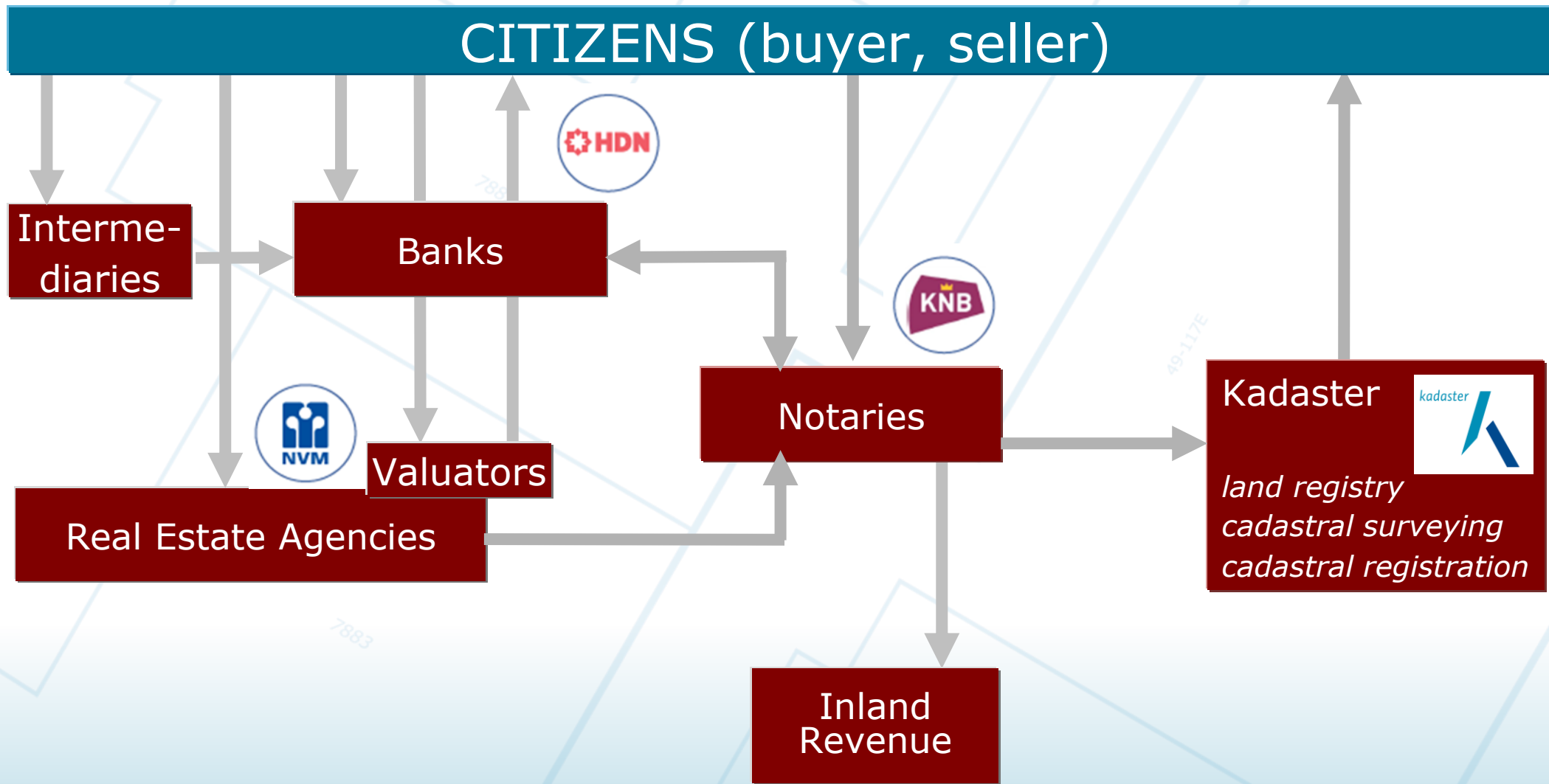
# Where are we now?

**We are converging to preliminary points of view:**

- Open unless is our starting point
- Objective is to bring legal, administrative and physical world closer together: our registration should enable that
- Trust in data is paramount, that requires safeguards
- Integrate where it is necessary, connect with and rely on trusted partners
- Define a well-thought-out access policy
- Establish a trust framework for real-estate transactions
  
- We already invest heavily in security (NIS-2) and private cloud
- For autonomy and sovereignty we follow government policies



# Real estate transaction chain in the Netherlands





# Guiding principles of the future ecosystem (largely in agreement with EU digital principles)

(legal) security at earlier stage



By retrieving validated data directly from the source, we offer (legal) security at an earlier stage

insight and overview



Citizens and chain partners have insight into information and process and know what is expected of them

control of data



We enable the citizen and chain partners to actively control their data

interoperability



The guiding principle is that the system of agreements is open to everyone and relies as much as possible on existing standards

security



Information exchange only takes place at a high security level



- ✓ Buyer OK
- ✓ Seller OK
- ✓ Property OK
- ✓ Financing OK