

The cadastral parcel rejuvenated
evolving from property unit to core element
in spatial data infrastructures

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feitelijk verrassend

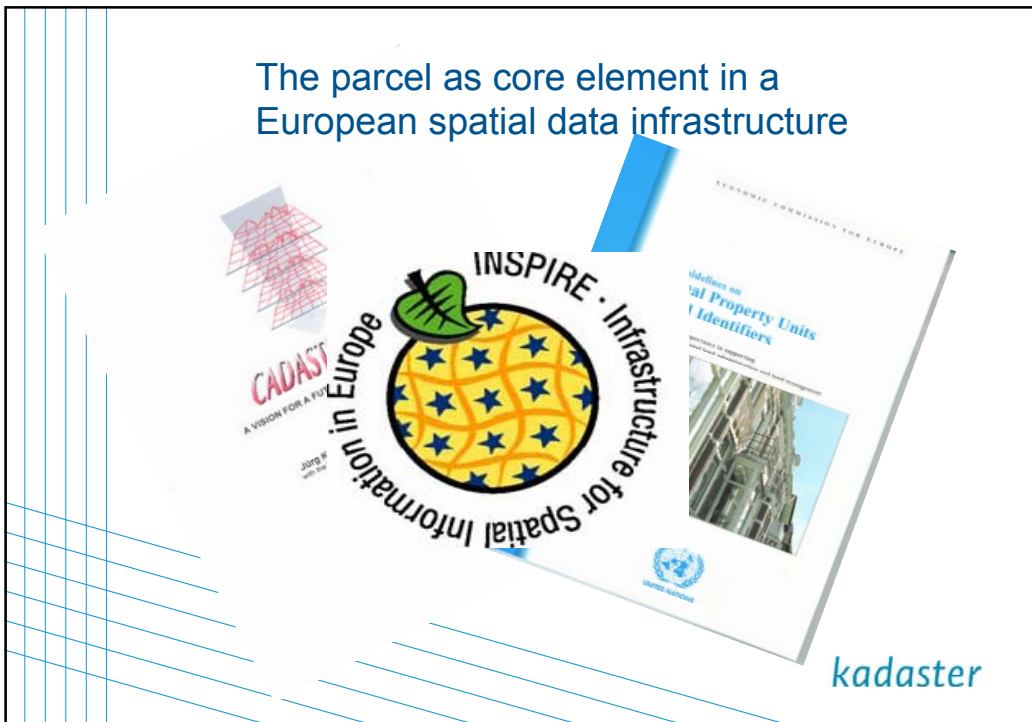
The parcel as core element in land administration

CADASTRE 2014
A VISION FOR A FUTURE CADASTRAL SYSTEM
Jürg Kaufmann • Daniel Studler
with the Working Group 1 of IAG Commission 7
July 2008

ECONOMIC COMMISSION FOR EUROPE
Guidelines on Real Property Units and Identifiers
and their application in supporting effective national land administration and land management
UNITED NATIONS

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The parcel as core element in a European spatial data infrastructure



Permanent Committee on Cadastre
in the European Union

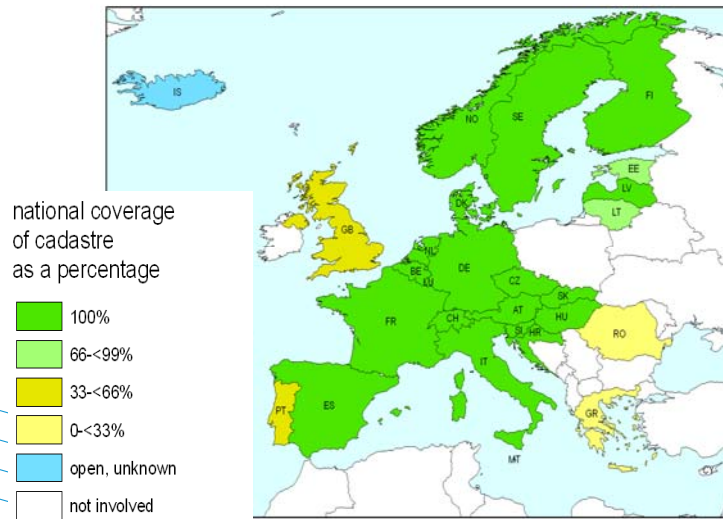


Joint working group:
**The role of the cadastral parcel
in INSPIRE and in NSDI's**

Starting point is the SDI!

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Coverage of the cadastre



Possible application domains parcel

- land market
- subsidies (agricultural)
- environmental monitoring
- restrictions on land use
- planning
- infrastructure management
- public administration
- public safety

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Current use cases in INSPIRE

- European Agricultural Subsidies (IACS)
- public restrictions
- environmentally protected areas
- polluted areas

not many cross-border cases;
parcel is mainly used locally, but
related to many European policies

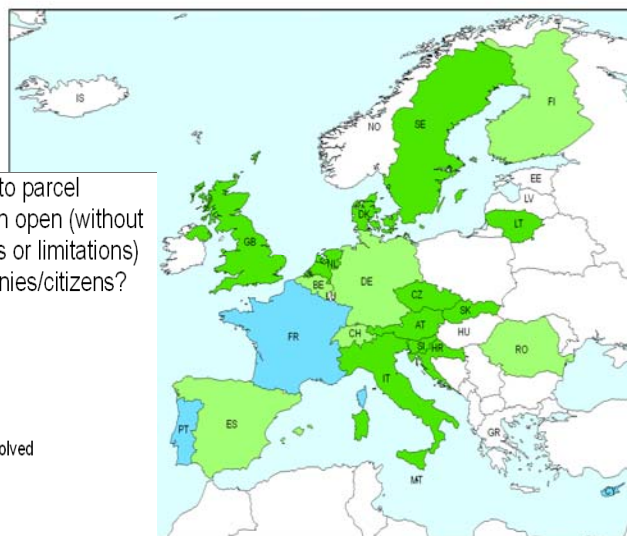
- land market?

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Availability for companies/citizens

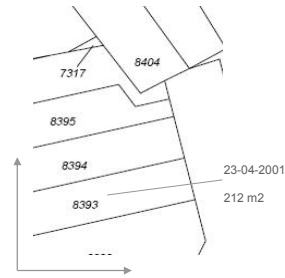
Is access to parcel
information open (without
restrictions or limitations)
for companies/citizens?

- yes
- partly
- no
- not involved



Key-elements of the parcel

1. Unique identifier
2. Area
3. Cadastral boundaries
4. Geo-reference
5. Origin and history



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Other elements considered

- ownership
- user
- address
- building
- land cover
- land use
- value

Availability
Accessibility
Definition
Quality
varies;
link to parcel possible

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Towards one European parcel?



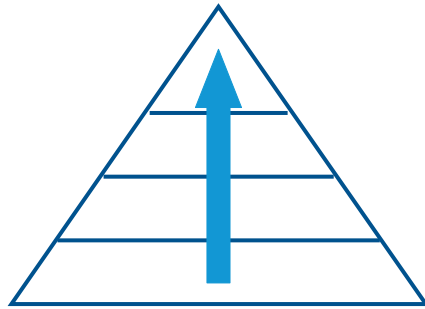
Role of the parcel in INSPIRE

Parcel is locator

- common element in NSDI's
- large (largest) granularity
- updating warranted

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Role of the parcel in SDI's



Global SDI

Regional (European) SDI

National SDI

Local/provincial SDI



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Future developments

Inspire (ESDI)

- data specification
- implementation rules
- portrayal rules
- effective May 2009



EULIS (European Land Information Service)

- increasingly serves European land market

European SDI will in time cover land market

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More information (including report):

www.eurogeographics.org



www.eurocadastre.org



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www.inspire-geoportal.eu

