

Does the Surveying Sector Change Quickly Enough?

FIG2017 Plenary session
May 30, 2017

Arvo Kokkonen
Director General



Contents

- Quick Facts
- Surveying and Land Administration
- LIS and Basic Registers
- Future perspectives
- Conclusion



Facts about Finland

- Land 304,530 km²
- Population 5.5 M
- Cadastral units 2.8 M

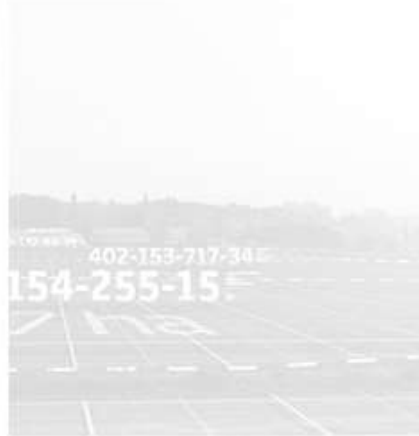


Mission and Vision

- Carries out tasks given through legislation
- Trustworthy in Web and Close to You



NLS Services



NLS Services



NLS Services



NLS Services



NLS Services



NLS Services



NLS Services



Steering by Results

- Decisions and agreement processes
- Planning
- Reporting
- Follow-up

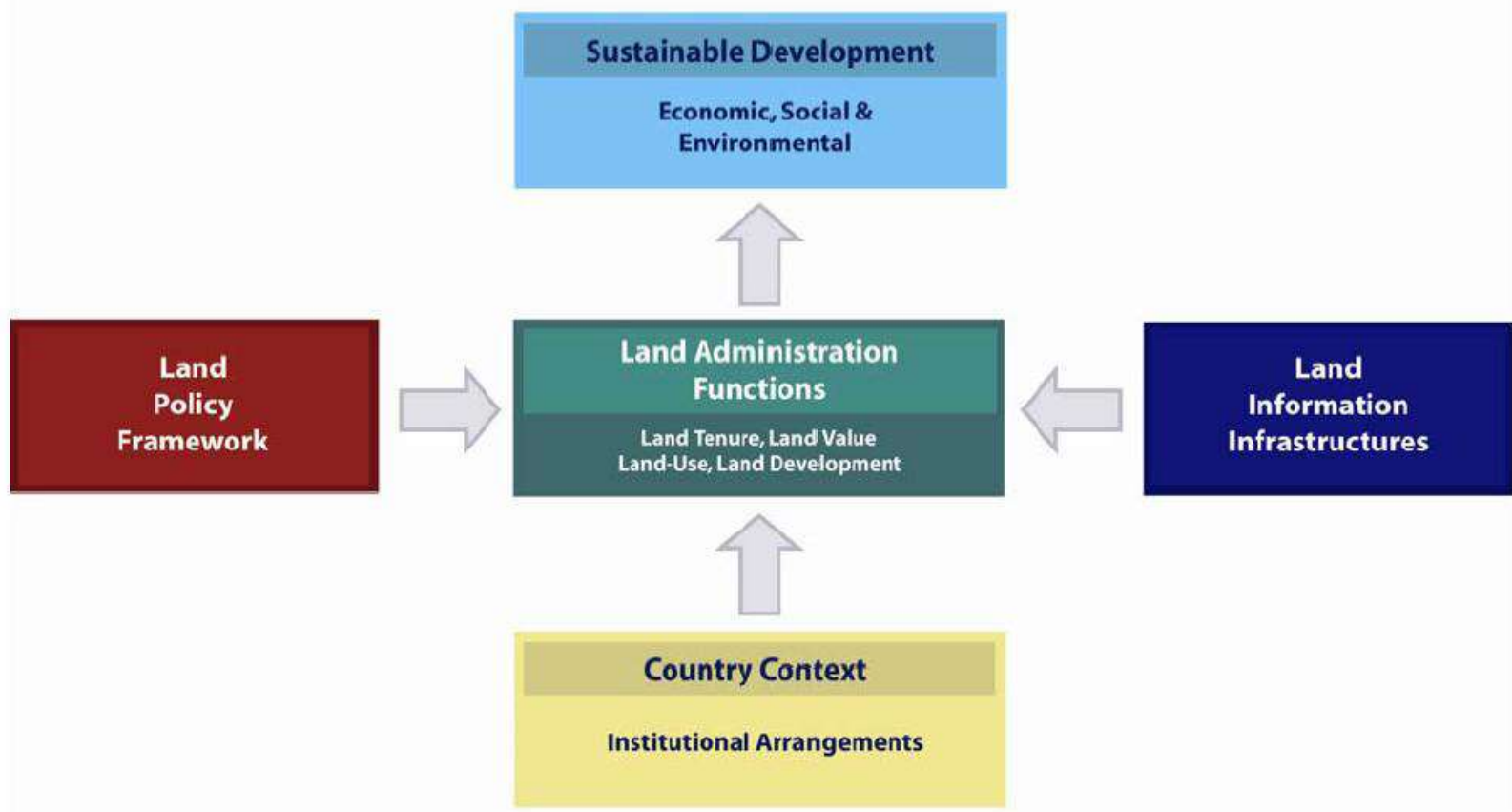


Strategic Goals

- Trends observed in society
- Analyses
- Choices
- Sector strategies

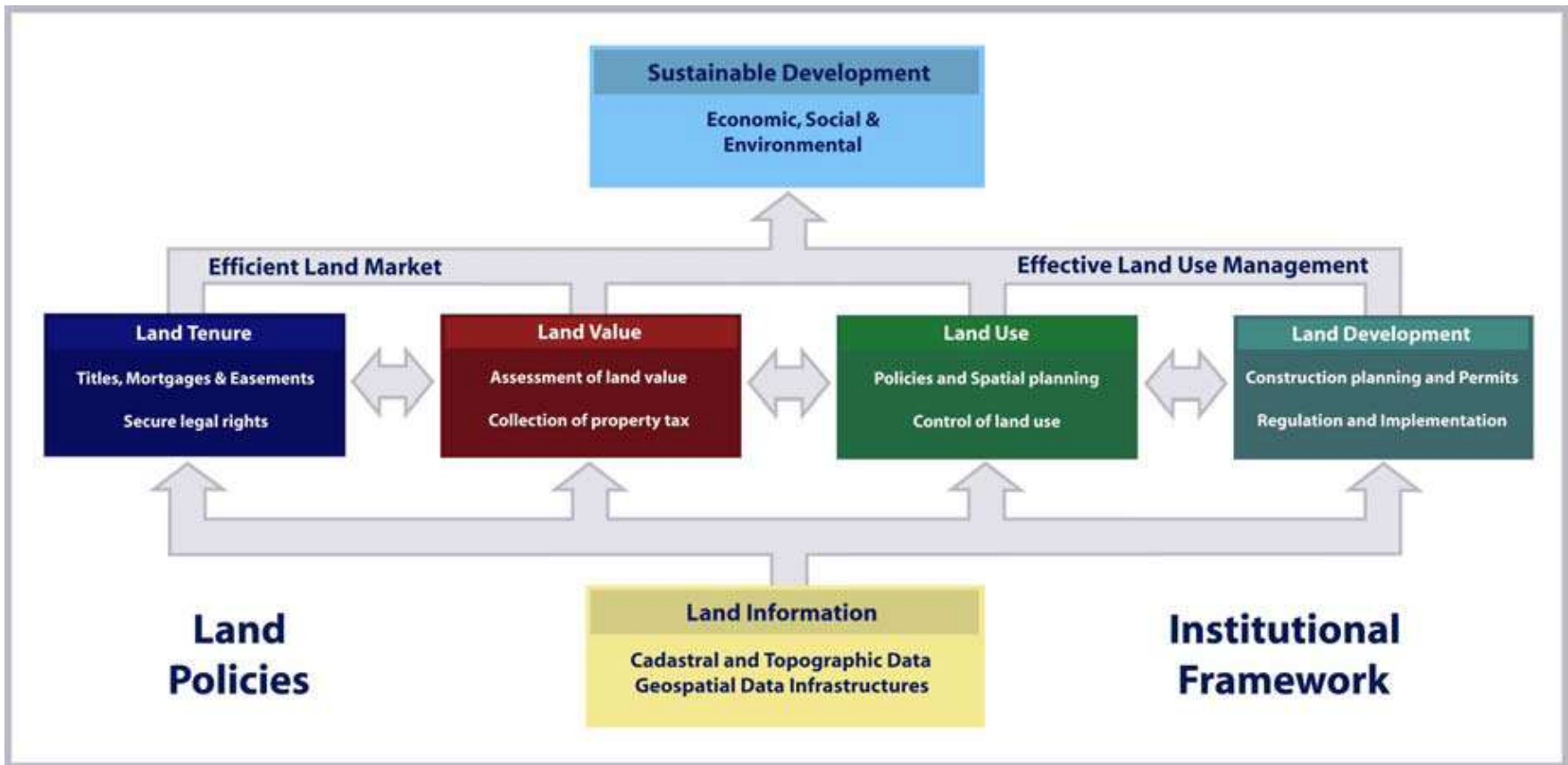


Land Management Paradigm



Global Land Management Paradigm (Enemark, 2004)

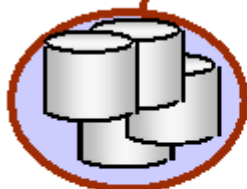
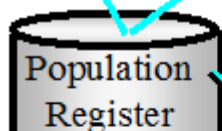
Land Governance



Global Land Management Perspective (Enemark, 2004)

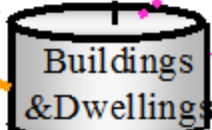
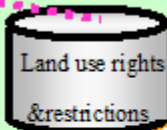
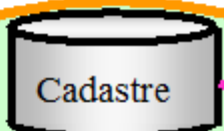
Base Registers in Finland

DBs containing natural person data

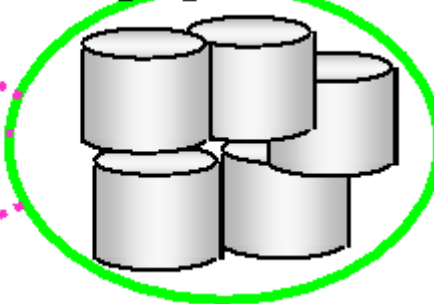


DBs containing juridical person data

LIS



Geographical DBs



- Natural person id
- Juridical person id
- - - Real estate/building/dwelling/place of business id
- Position
- Address

Integration of register data using IDs and position as links

Base Registers in Finland

- Basic units of society
 - Natural persons
 - Real estates
 - Buildings
 - Enterprises, corporations and foundations
- Topographic Database



Topographic Database

Maps based on
Topographic Database

power lines

water areas

place names

address data

road data

barriers

number of stories in buildings



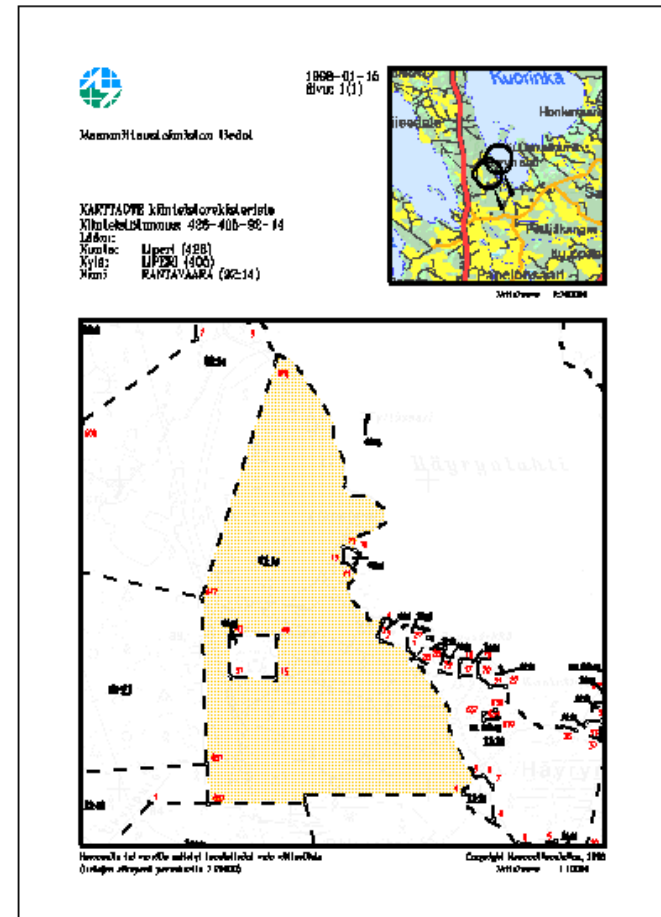
LIS in Finland

- Base register structure
- Cadastre
- Land Register



Content of the Cadastre

- Nation-wide coverage
- Connected rights
- Cadastral index map



Land Register

- Responsible since 2010
- Titles, mortgages and other registered rights
- Guaranteed reliability of data



LIS Players

- Ministry of Agriculture and Forestry
- National Land Survey
- Municipalities
- Private Companies



Purchase Price Register

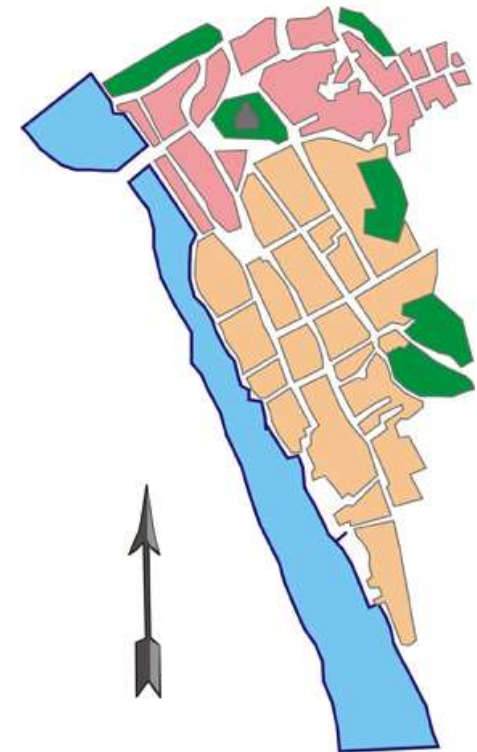
- Agreements since early 1980s
- Open to public
- Web access through NLS Map Site



Other Agencies' Data

- Land use planning data
- Nature conservation areas on private land
- Environment Allowance agreements
- Decisions according to Water Act

Porvoon kaupunki



Future Perspectives

- Cadastre 2035
- Digitalize services
- Develop national coordinate, height and gravity systems
- Policy Report on Spatial Data Infrastructure



Aims of Policy Report on Spatial Data Infrastructure

A vision of spatial data functions in public administration

- Opinions of who produce, use and refine spatial data
- Role of public administration
- Implementing public administration's role
- Timescale, about 5–10 years.

Conclusions

- LIS part of basic infrastructure
- Many players in the field
- NLS and surveyors play key role
- Future will be different

