

E-GOVERNANCE CATALONIA FORUM
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Nationwide Information Systems

**Base information systems to be used of the whole
society: public sector, business sector and citizens**

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Finland

INFORMATION SOCIETY

DEFINITION / sub definitions

In a sound information society the sub definitions must be in balance.

INFORMATION: libraries, newspapers, statistics, registers, ...

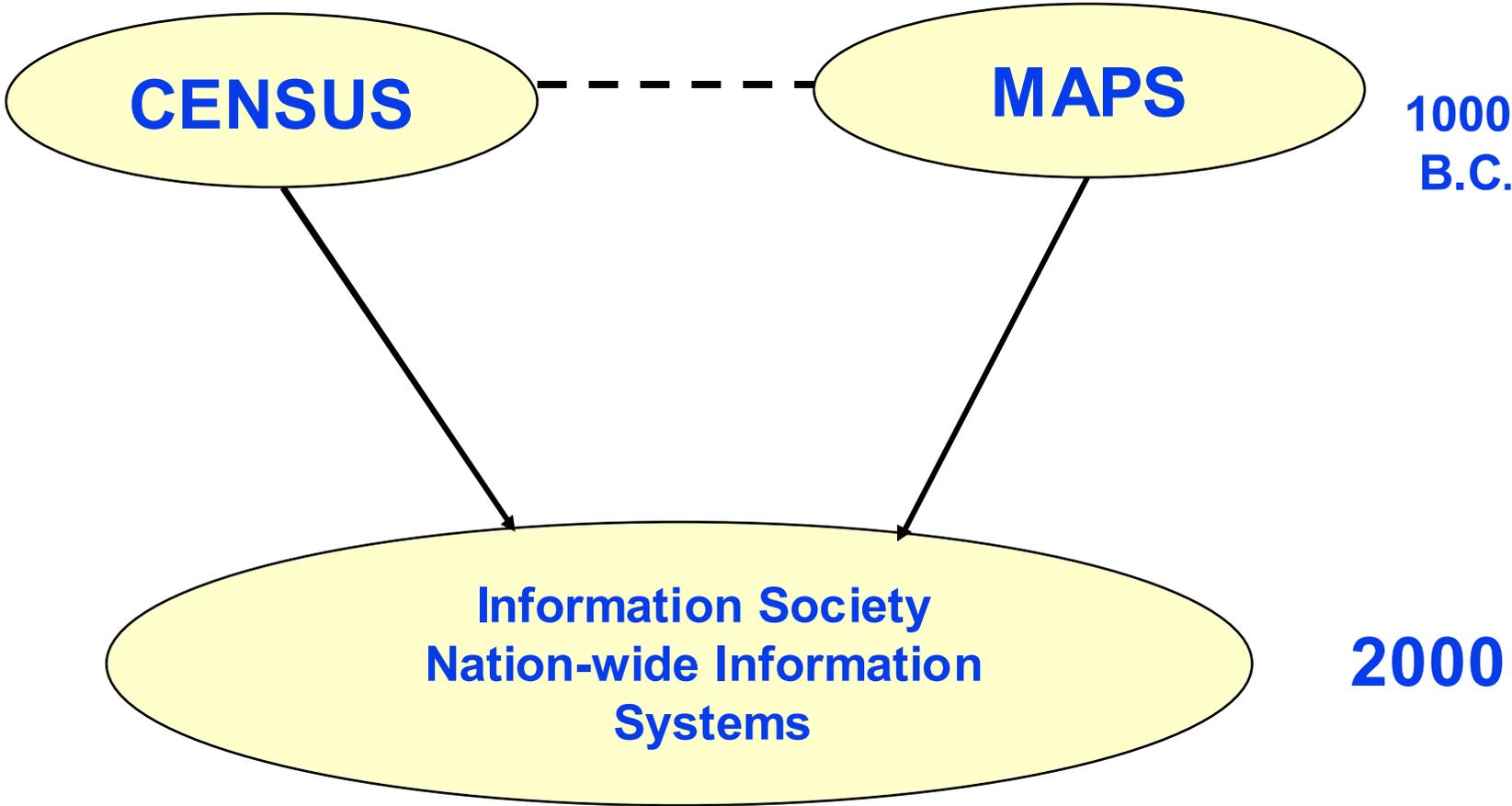
COMMUNICATION: telecommunication, broadcasting, discussions, w

NORMS: legislation, standardization, rules, culture, ...

KNOWLEDGE: education, training programs, experiences, ...

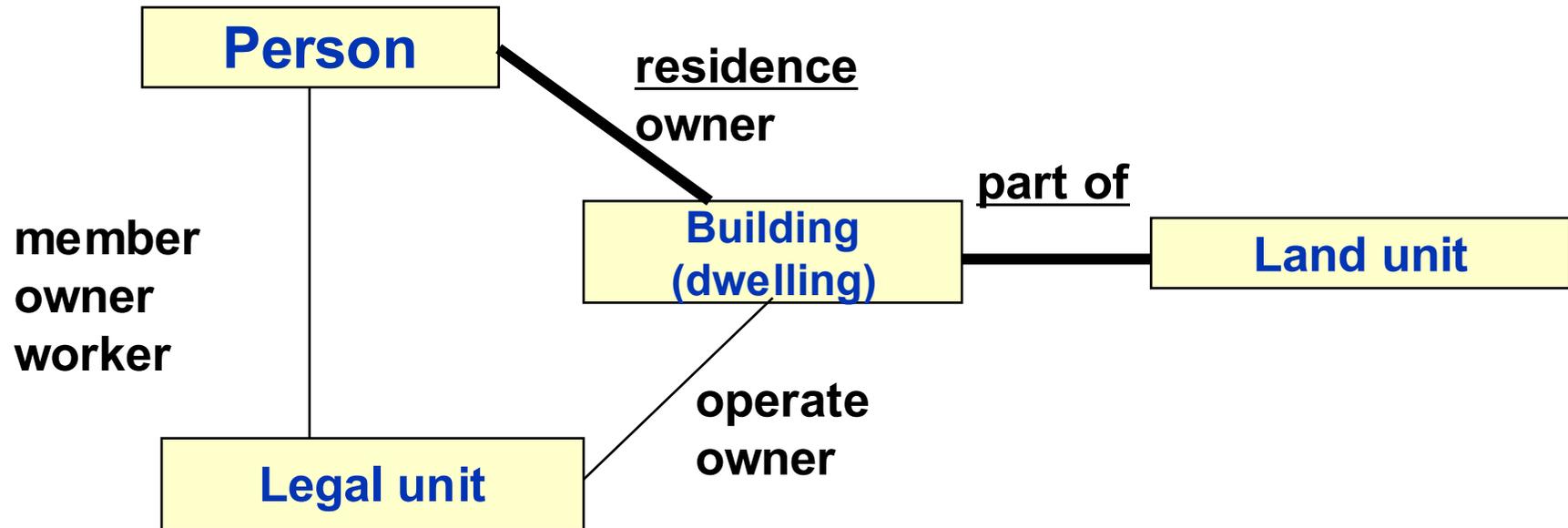
APPLICATIONS: Internet, Electronic Identification Card, Mobil phone,...

WORLDHISTORY



Society needs information on its member to carry out its basic functions

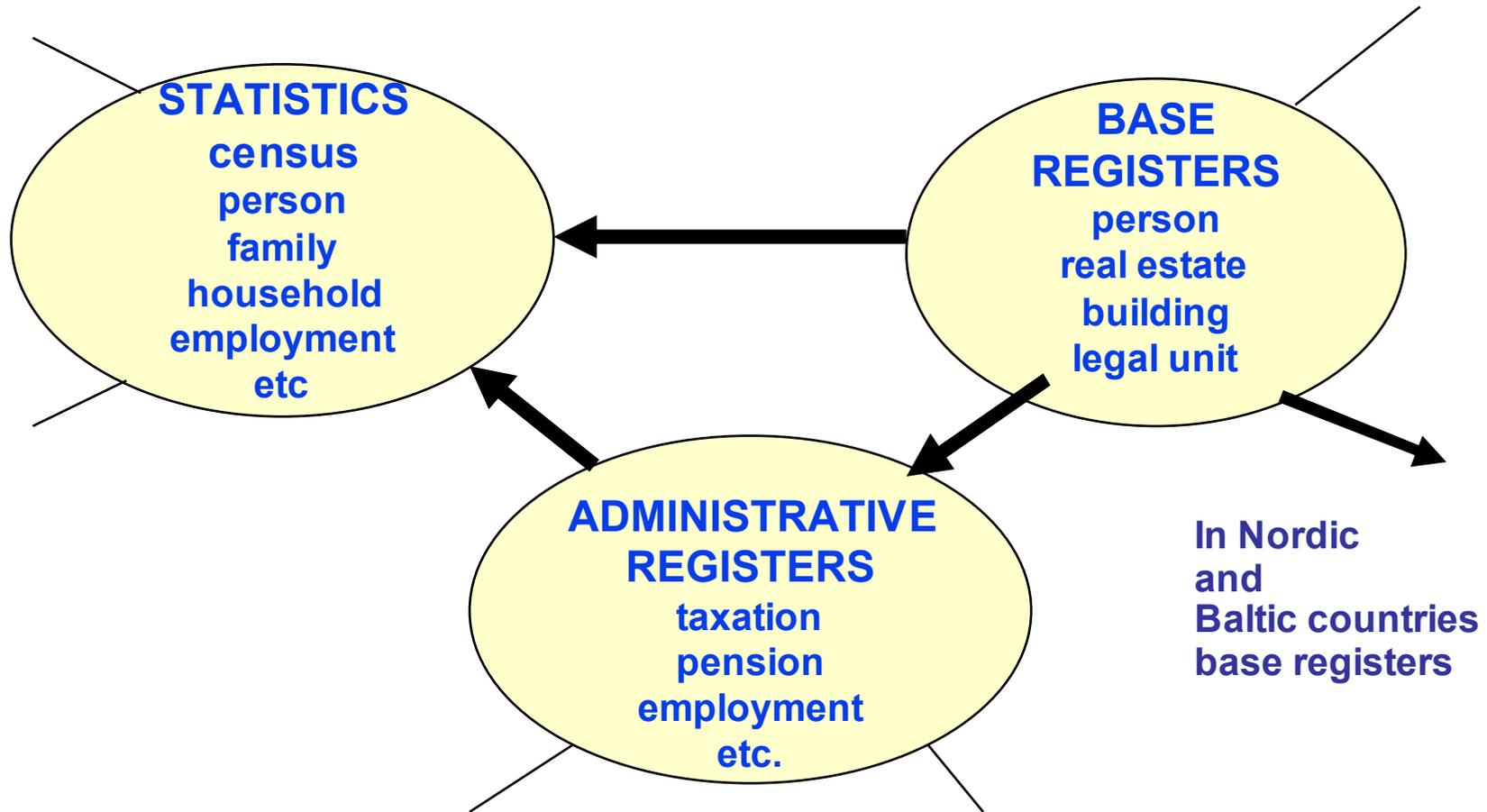
Basic Units in the Society



In Finland			
Population	5,2 mill.	Buildings	2,9 mill.
Land Units	2,6 mill.	Legal units	0,6 mill.

All over the world. How to collect and use ?

THREE BASIC INFORMATION SYSTEMS



Nation Wide Information Systems

1. STATISTICAL SYSTEMS

Basic units: person, family, household, building, . . .

Collecting: different methods

Results: statistical tables

Use: multiple and wide use

Legislation: international rules

Publicity: open for the whole society

Nation Wide Information Systems

2. ADMINISTRATIVE REGISTERS

Basic units: person, building, enterprise, . .

Collecting: once a year or when data is needed

Results: final taxation, pensions, documents, . . .

Use: for one purpose

Legislation: specific legislation

Publicity: strongly regulated

Nation Wide Information Systems

3. BASE REGISTERS

Basic units: person, building, land unit, legal unit

Collecting: regularly, up to date all the time

Results: unit based registers

Use: wide and multiple use

Legislation: specific legislation

Publicity: open for the whole society / data protection

eGOVERNMENT???

2004

IN FINLAND

IDEAS

1960 -

INFORMATION TECHNOLOGY

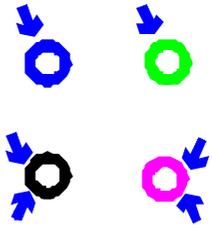
- centralised 1970 -
- pc / decentralised 1980 -
- network 1990 -
- clusters 2000 -

GOVERNMENT'S POLITICAL PROGRAMME

- ??? 1960 -
- Service orientied 1987 -
- Information Society 1990 -
- eGovernment 2000 -

DATA INFORMATION SYSTEMS

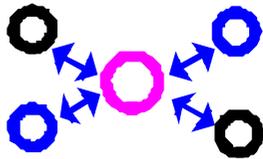
1960 - 2000



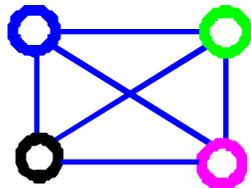
1960 - Independent



1970 - Centralised

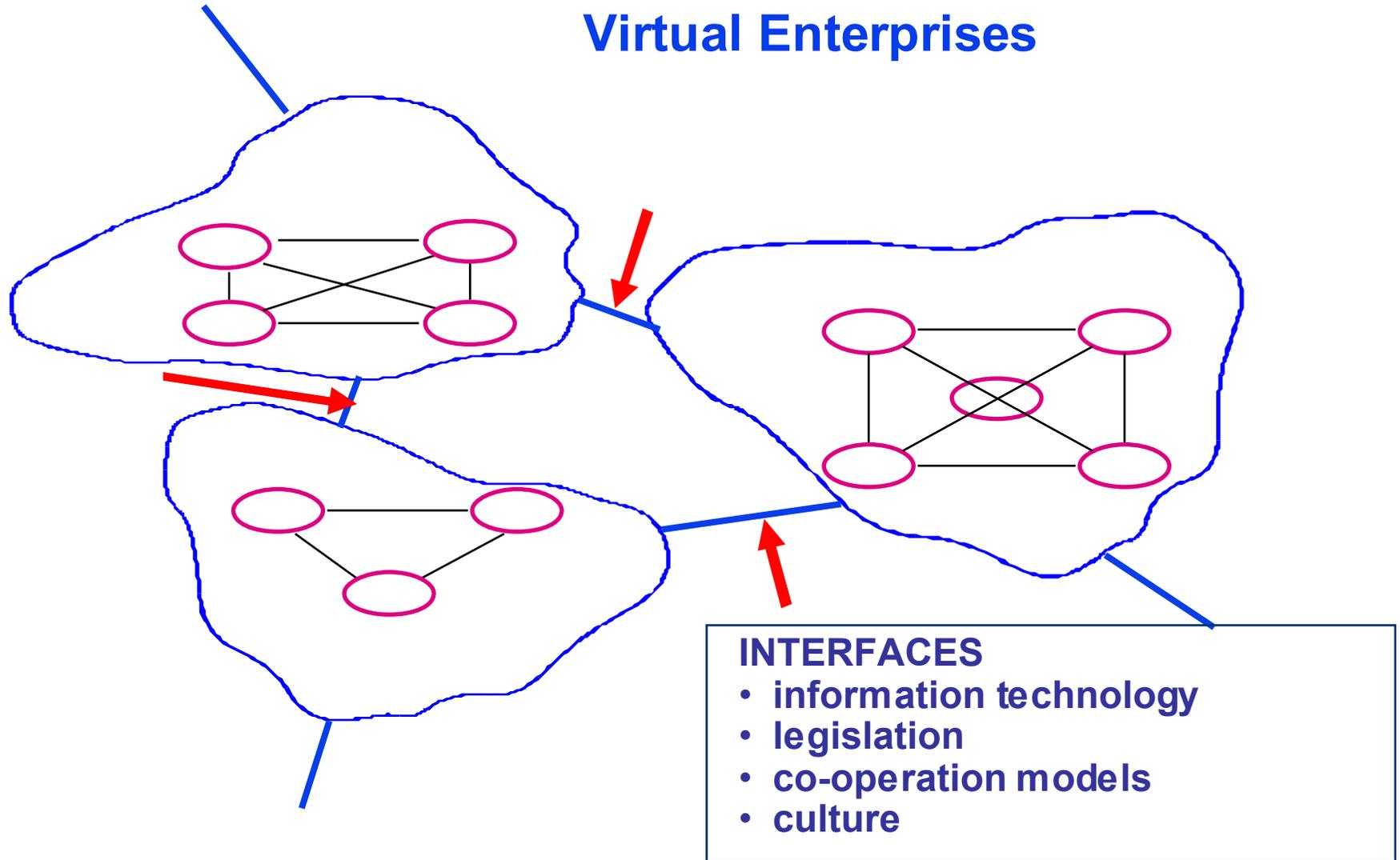


1980 - De-centralised

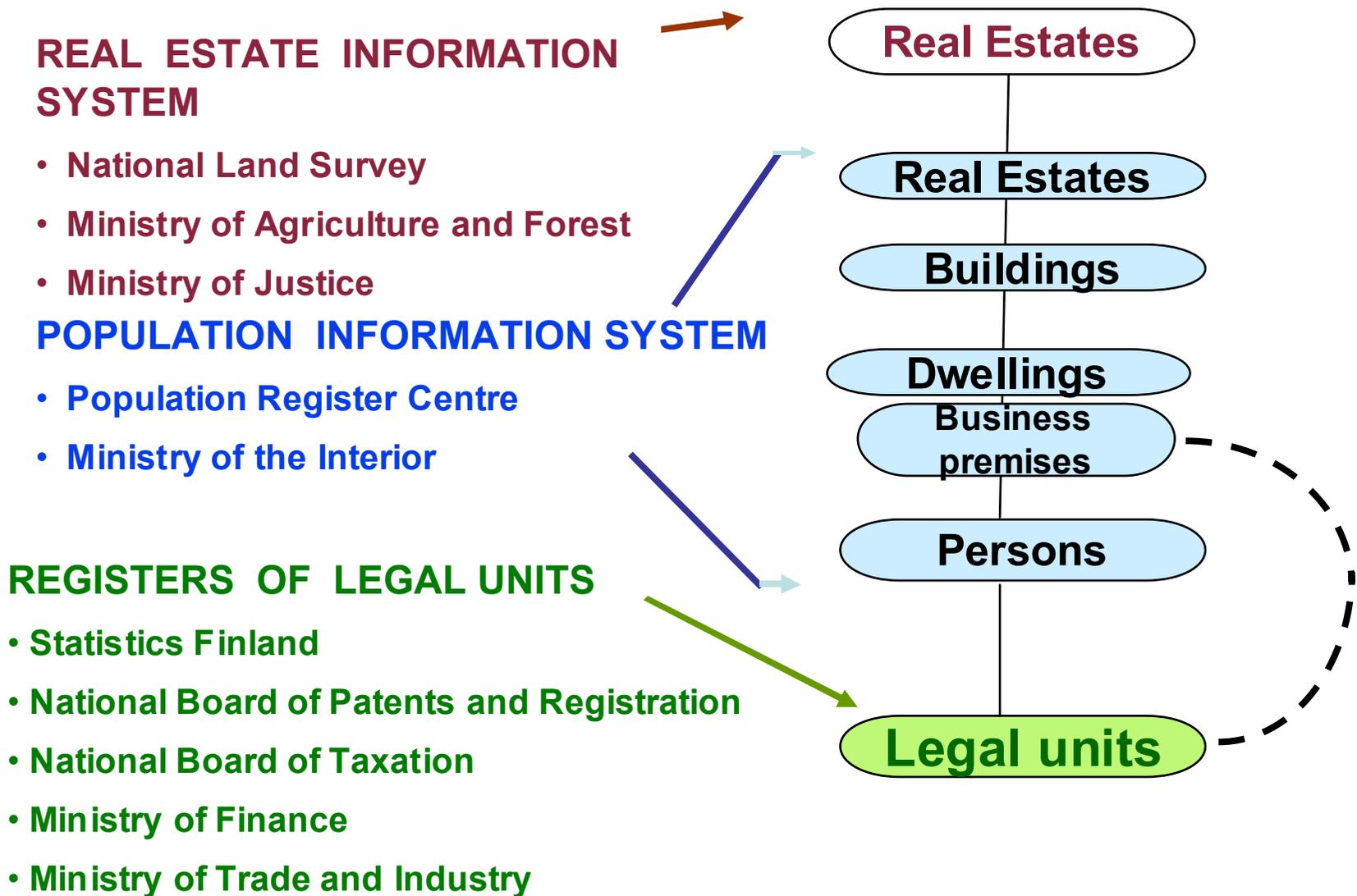


1990 - Network

CLUSTER NETWORK 2000 – Virtual Enterprises



BASE REGISTER SYSTEMS IN FINLAND



BASE REGISTER SYSTEMS IN FINLAND

GENERAL CRITERIA FOR DEVELOPMENT

- data protection**
- rational maintenance**
- wide scope of utilization**
- cooperation of municipalities and state**
- information technology**

BASIC REGISTER SYSTEMS IN FINLAND

COMMON CRITERIA FOR THE CONTENT

- broad coverage**
- reliability**
- versatility**
- common identification system**
- connection to other
base and administrative registers**
- completeness**

BASE REGISTER SYSTEMS IN FINLAND

CENTRAL ASPECTS

ID - SYSTEM FOR THE BASIC UNITS

LINK SYSTEM

- between the units and between registers

STANDARDS AND CLASSIFICATIONS

CO-OPERATION

LOCAL ORGANISATIONS

CENSUS

- provides a very good opportunity for discussing these issues
- measures the quality of registers

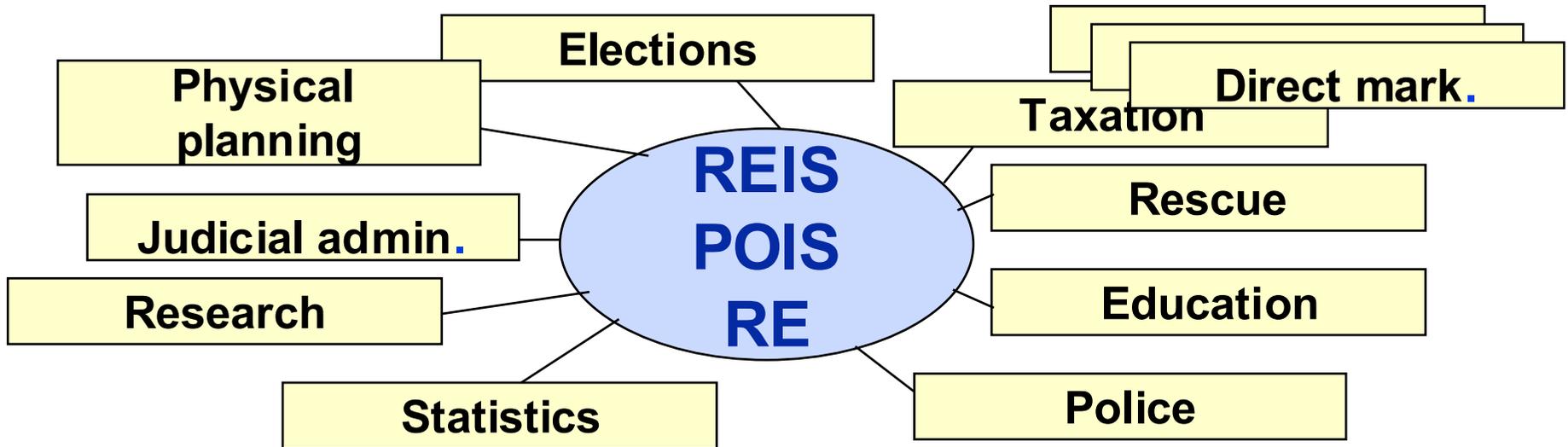
IDENTIFICATION

System in Finland

1. Person number **050847 - 583L- ddmmyy - nnnc**
2. Corporation / legal unit Code **2568943-C - running number**
3. Real Estate Code **091 - 401 - 0023 - 0002**
 - 091 - municipality - Helsinki
 - 401 - quarter / village
 - 23 - block / house
 - 2 - number of the land unit
4. Residence code (link code) **091 - 401 - 0023 - 0002 C 003 - B 002**
 - 091-401- 23- 2 real estate code
 - c check number
 - 003 building number 3
 - B 002 dwelling number B2

BASE REGISTER SYSTEMS IN FINLAND

INFORMATION SERVICE

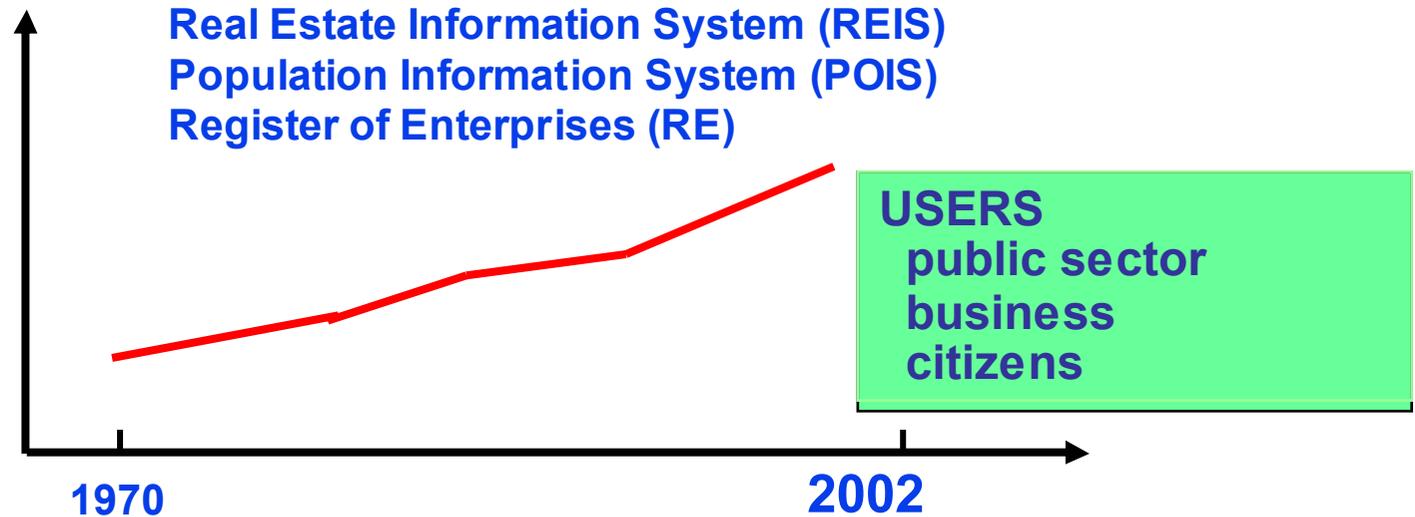


Service on-line
Documents
Samplings

Telephone data services
Up-dating of customer registers
Consultation

DATASERVICE from BASE REGISTERS 2002

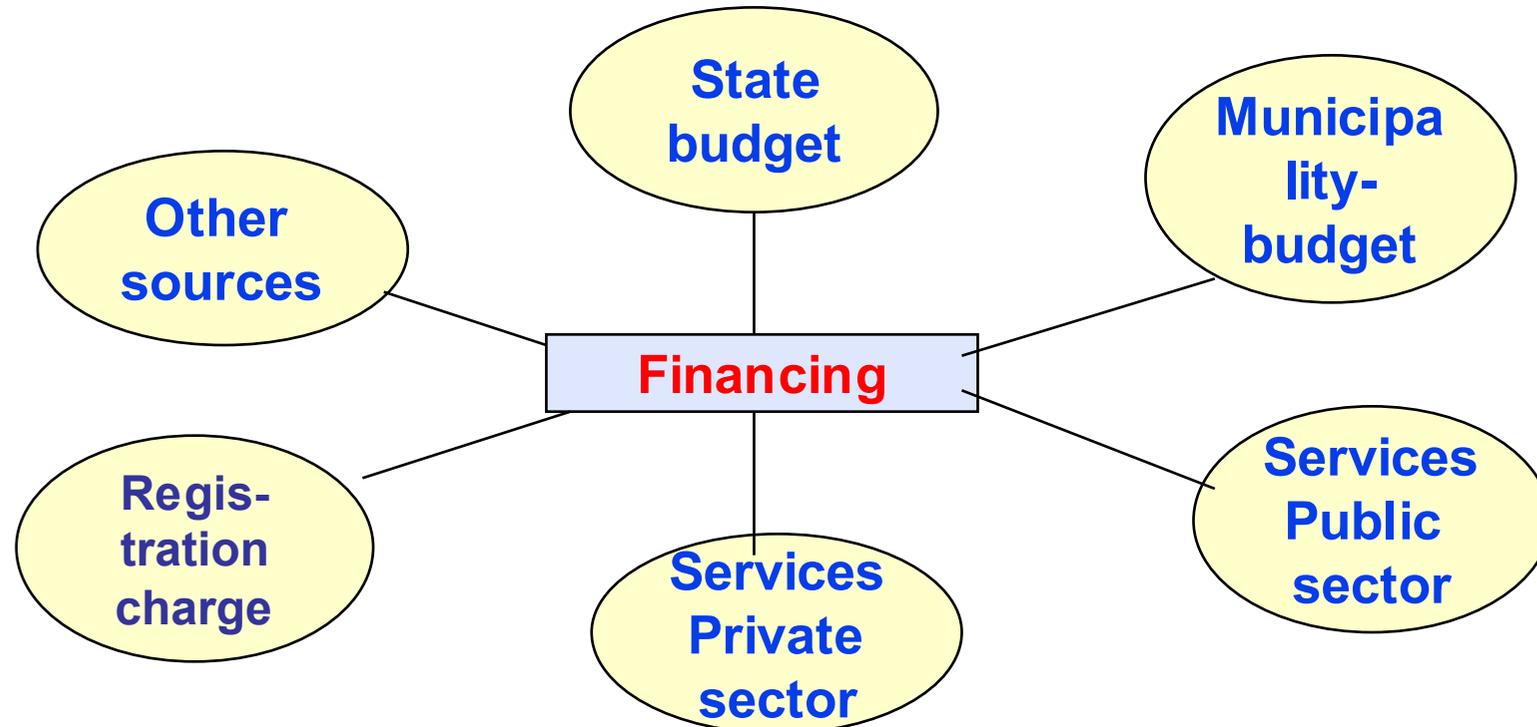
Mobil
Internet
CD-rom
Direct Access
Diskette
Mg-tape
Paper



350 mill. units
27 mill. € turnover

BASE REGISTER SYSTEMS IN FINLAND

SOURCE OF FINANCING



POPULATION REGISTER CENTRE 2003

- total costs: 15,3 mill. €
- revenue: public sector 4.7 € million
- revenue: private sector 5,0 € million
- state budget 5.6 € million

URBAN DATA BASE

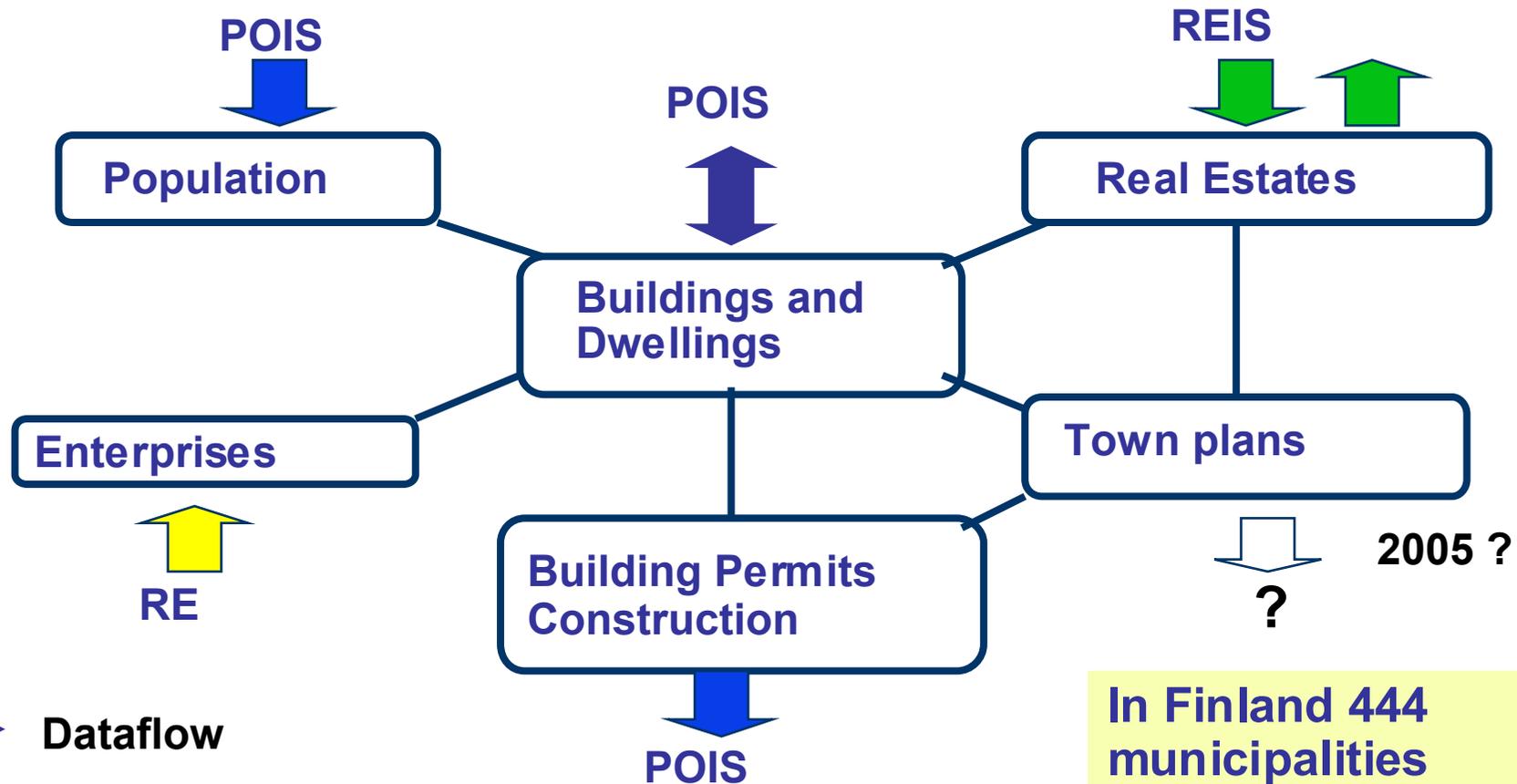
co-operation central – local level

CENTRAL SYSTEMS

POIS – Population Information System

REIS - Real Estate Information System

RE - Register of Enterprises



In Finland 444 municipalities

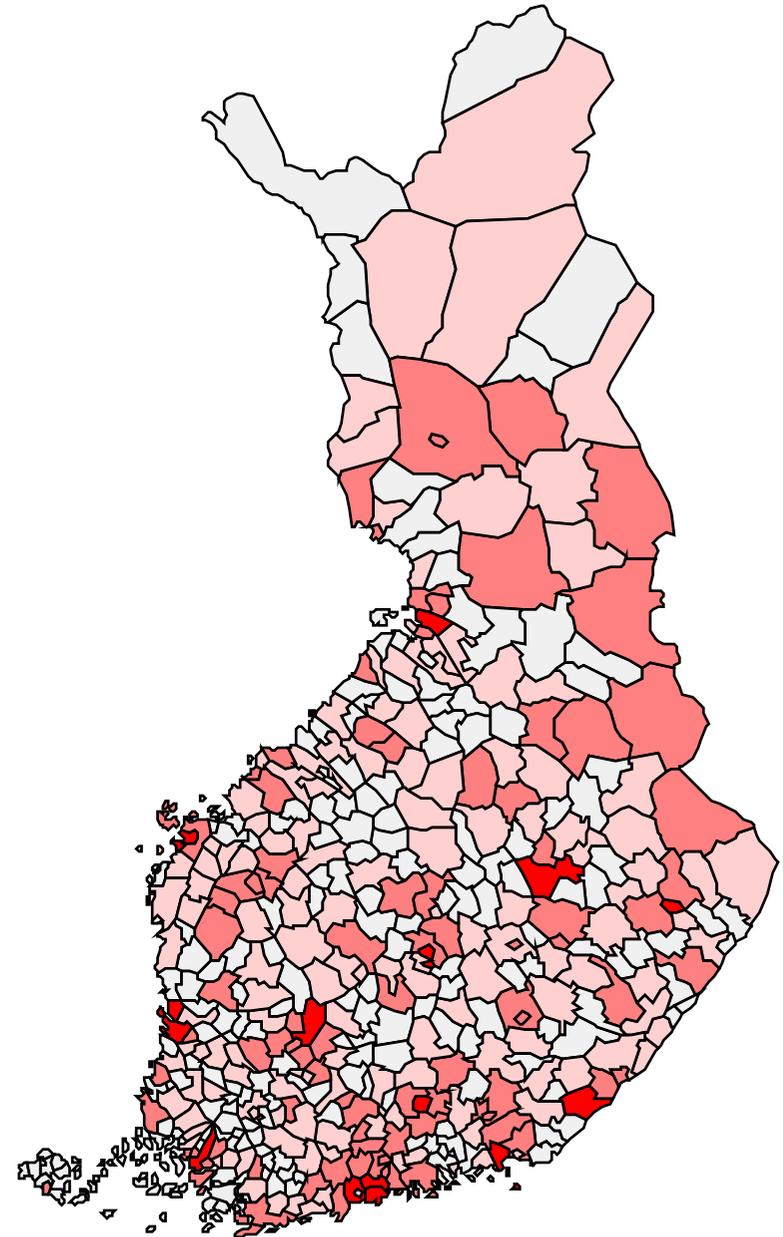
FACTS ABOUT FINLAND

- Area 338 000 km²
- Population 5,2 mill.
- Land lots 2,6 mill.
- Buildings 2,9 mill.
- Enterprises 0,6 mill
- Municipalities **444**

Inhabitants in municipalities

1.1.2004

	Over 50 000	(14)
	10 000 - 50 000	(92)
	4 000 - 10 000	(140)
	Less than 4 000	(198)



WHAT ARE THE BENEFITS OF BASIC REGISTERS?

- **basic data is not treated several times**
- **less bureaucracy**
- **service for the customer, no running from one authority to another**
- **data maintenance of the registers of public administration**
- **basic information for statistics and planning**
- **an increasing information reserve for historical research**
- **savings in costs for society**

BENEFITS

few examples

PUBLIC SECTOR

POPULATION CENSUS IN FINLAND

1980	7 Mill. questionnaires	- 30 mill. €
2000	Totally register based	- 0,7 mill. €

Ministry of Justice, National Land Survey, National Taxation Board, National Pension Institution

PRIVATE SECTOR

Direct Marketing Companies, Customer Register, www.ytj.fi (business register), banks and insurance business, one notification for enterprises

CITIZEN

official certificates from Population Register on line*)
tax proposal (70 % of all)
notice of removal by Internet

*) The need of official personal document in Finland is very limited.
The public sector has these data on line.

DEVELOPMENT PROCESS

From IDEAS and POLICY to PRACTISE

- * the real need of information / services
- * common aims / goals
- * co-operation projects
- * very slow process
- * getting ahead step by step
- * planning on all levels
- * interaction
- * continual
- * human process

DEVELOPMENT PROCESS

Organized co-operation 2004

Everyday process

- **Coordinating groups: Base registers and users**
- **Working groups**
 - Real Estate Information**
 - Population Information System**
- **Development groups**
- **Standardization groups**
 - real estate code, address, portals, ...**
- **Seminars**
- ***Information Society Programme / Political program***

DEVELOPMENT PROCESS

CHALLENGES

- Real Estate Information system (2005)
- Improving the quality of the data
- State - municipality co-operation
- Common use of the base registers
- Price policy (renewing)
- Standardization (WWW / Portals)
- Electronic Identification Card / Policy
- Cooperation program on horizontal level
- to find "real applications"
- Remember the price / costs
- etc.

SOME REMARKS FROM COUNTRIES ROUND THE BALTIC SEA

(1/3)

POPULATION REGISTRATION

- **in all countries: person identification code**
- **traditional person registration and place of residence in the same information system**
- **data service to the public sector and business companies with duties based legislation**
- **In Finland, Sweden and Estonia also data service to private companies ex. for direct marketing**
- **There are differences between Baltic and Nordic Countries: Confidence and understanding is broader in the Nordic Countries**

SOME REMARKS FROM COUNTRIES ROUND THE BALTIC SEA

(2/3)

THE BUILDING REGISTER

In all Baltic and Nordic Countries

Usually one part of the cadaster or land register systems

In Estonia an independent register

In Finland one part of Population Registration

Data service to all society, also private citizen.

In Finland a little bit stricter data bservice policy

SOME REMARKS FROM COUNTRIES ROUND THE BALTIC SEA

(3/3)

CADASTER AND LANDREGISTRATION

land unit, ownership, mortgages

In all Baltic and Nordic countries it is possible for a private citizen to have an extract from the land information system.

Mass delivery only for professional use / public sector

Very closed connected with real estate taxation process

BUSINESS REGISTERS

Open for all society

name, address, telephone- and fax number, branch, . . .

international co-operation (EBU=European Business Register)

Some experiences

You can never copy a system from one country to another

There will always be some national specific exceptions

The process is slow

- **sensitive and political issues**
- **lots of barriers**

- **to renew a it architecture is a slow process**

- **the citizens nor the administration are all the time ready for new services**

Nationwide Information Systems in Finland

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Further information

www.vaestorekisterikeskus.fi (Population Register Centre)
www.stat.fi (Statistics Finland)
www.nls.fi (National Land Survey of Finland)
www.vero.fi (National Board of Taxes)
www.prh.fi) National Board of Patent and Registration)