



Estonian Address Data System (ADS)

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Estonia

Tallinn, October 2010

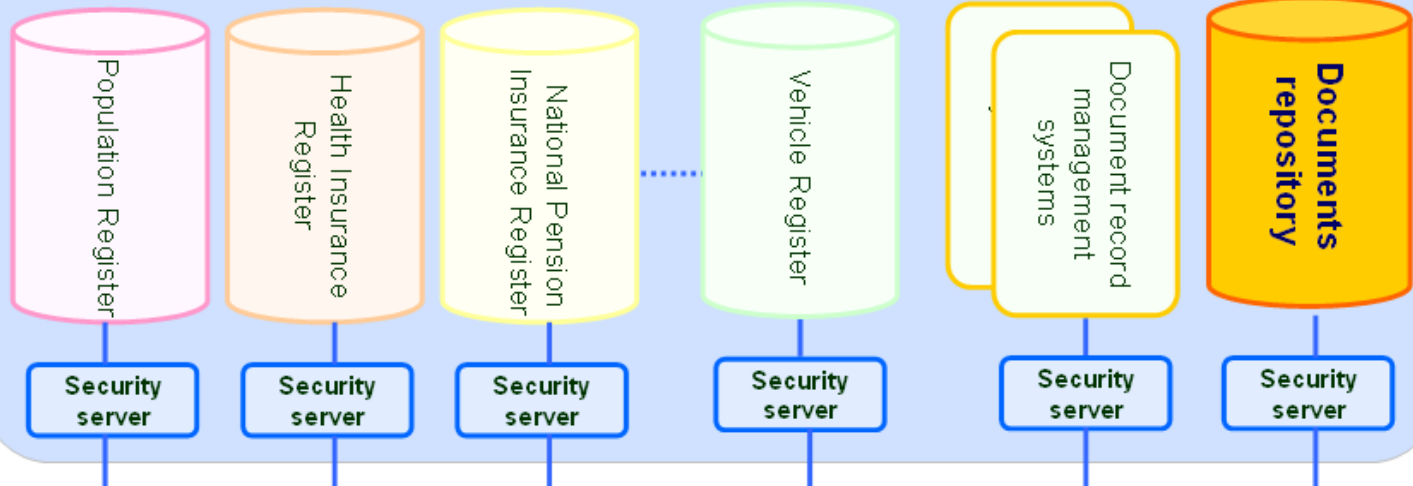


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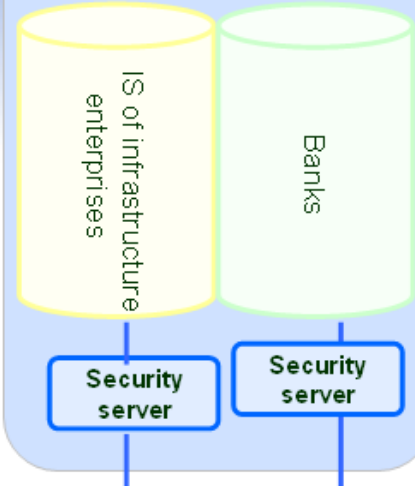
- Estonian state information system
 - ADS – Support system for maintenance of databases
 - Institutions
 - Workflow at the local government
 - New public application of the ADS
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Databases / information systems

Public sector

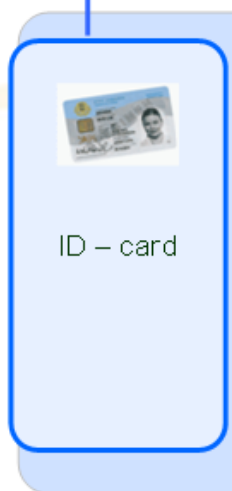
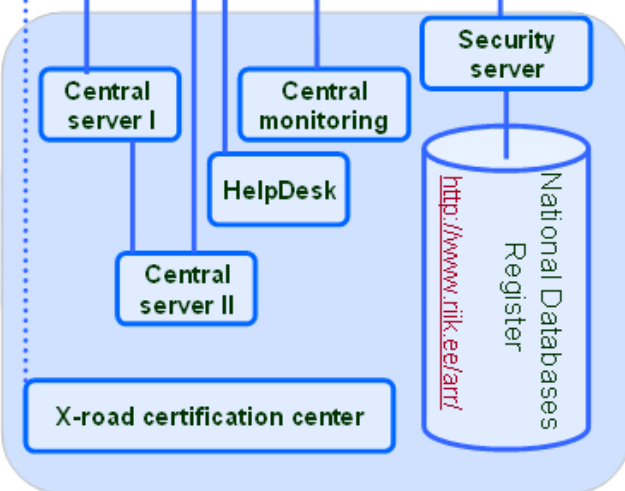
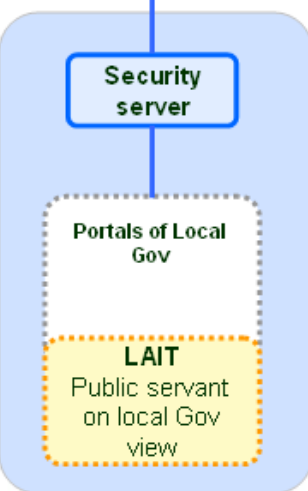
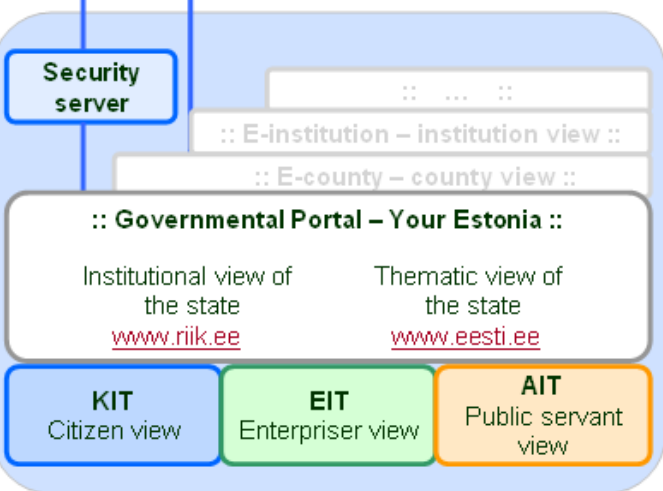


Private sector



Internet

X-road

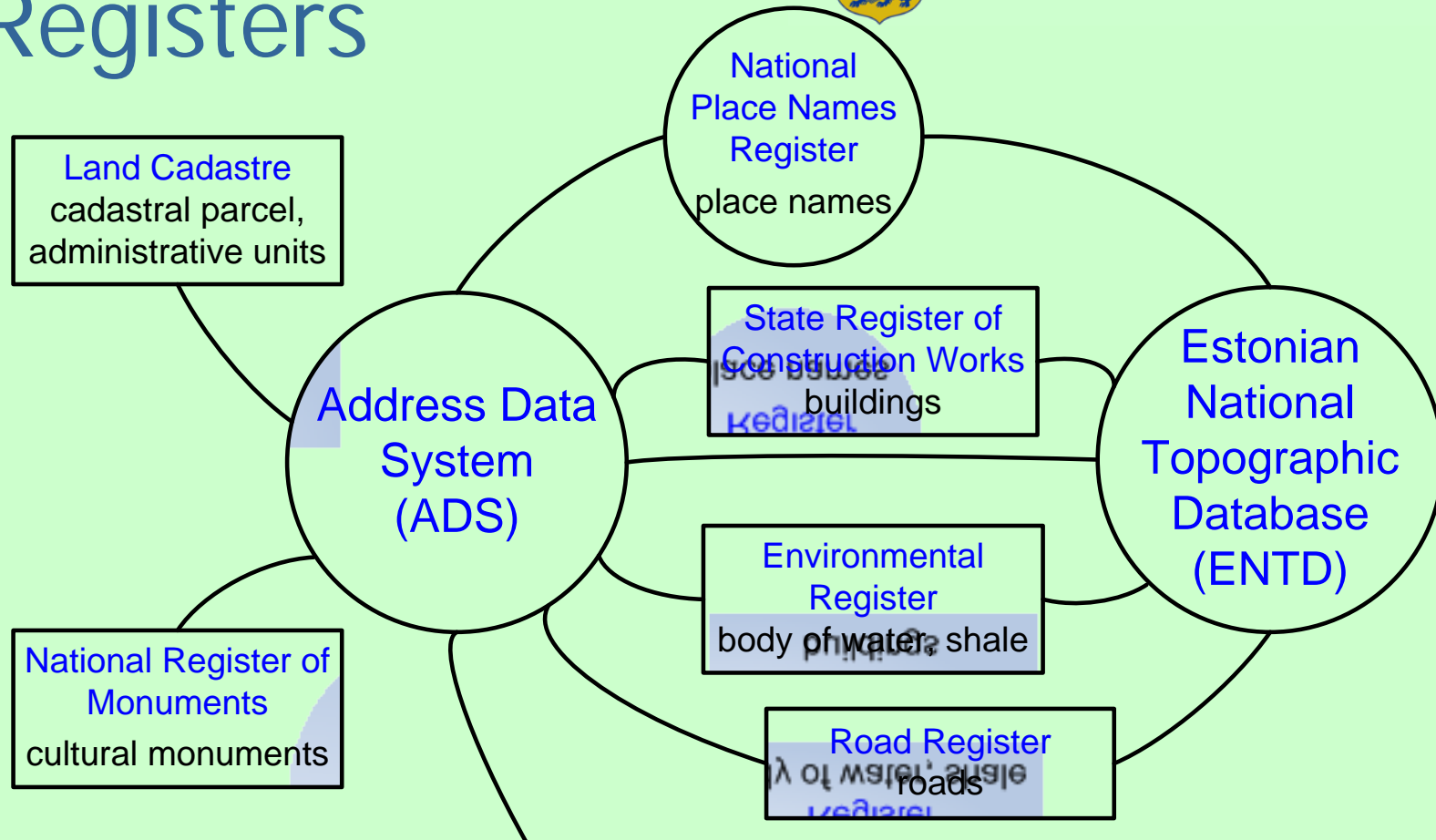


X-road center

Certification Center



Registers



Registers and information systems, which use the data, public and private sector

for example: Population Register, Commercial Register, Land Register, Police Information System, Rescue Board, Alarm Centre, local governments, Estonian Post Ltd, Estonian Energy Company, communication company etc....

ADS is a support



system for maintenance of databases

- **consisting** of a central technological solution (ADS administration system)
 - **including** interfaces for processing address data and providing address services, and databases processing address data
 - of **requirements** for
 - form of addresses,
 - establishment of geographical addresses,
 - the chief processors of address data,
 - the chief processor of the ADS administration system,
 - address services
 - the processing of addresses
-

ADS includes the following data



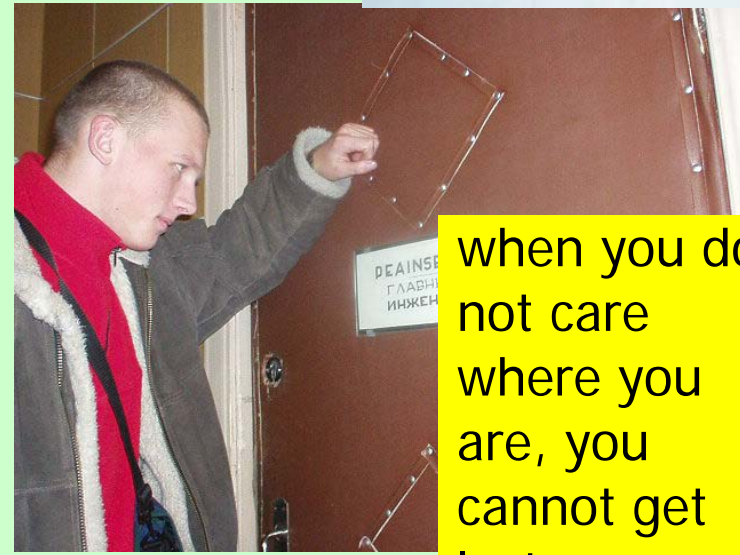
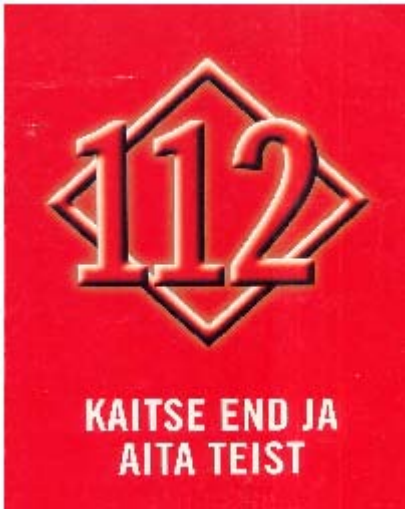
- place names
 - geographical addresses
 - coordinates of address points
 - the dates of commencement and termination of the validity of the address data
 - information on the status of address objects
 - spatial addresses
 - and others ...
-



Amount of data

- there are about 1.8 million objects in the ADS
 - in total the objects have approximately 1.2 million valid addresses
 - one object can have several addresses and several objects can have the same address
-

How to reach the destination?

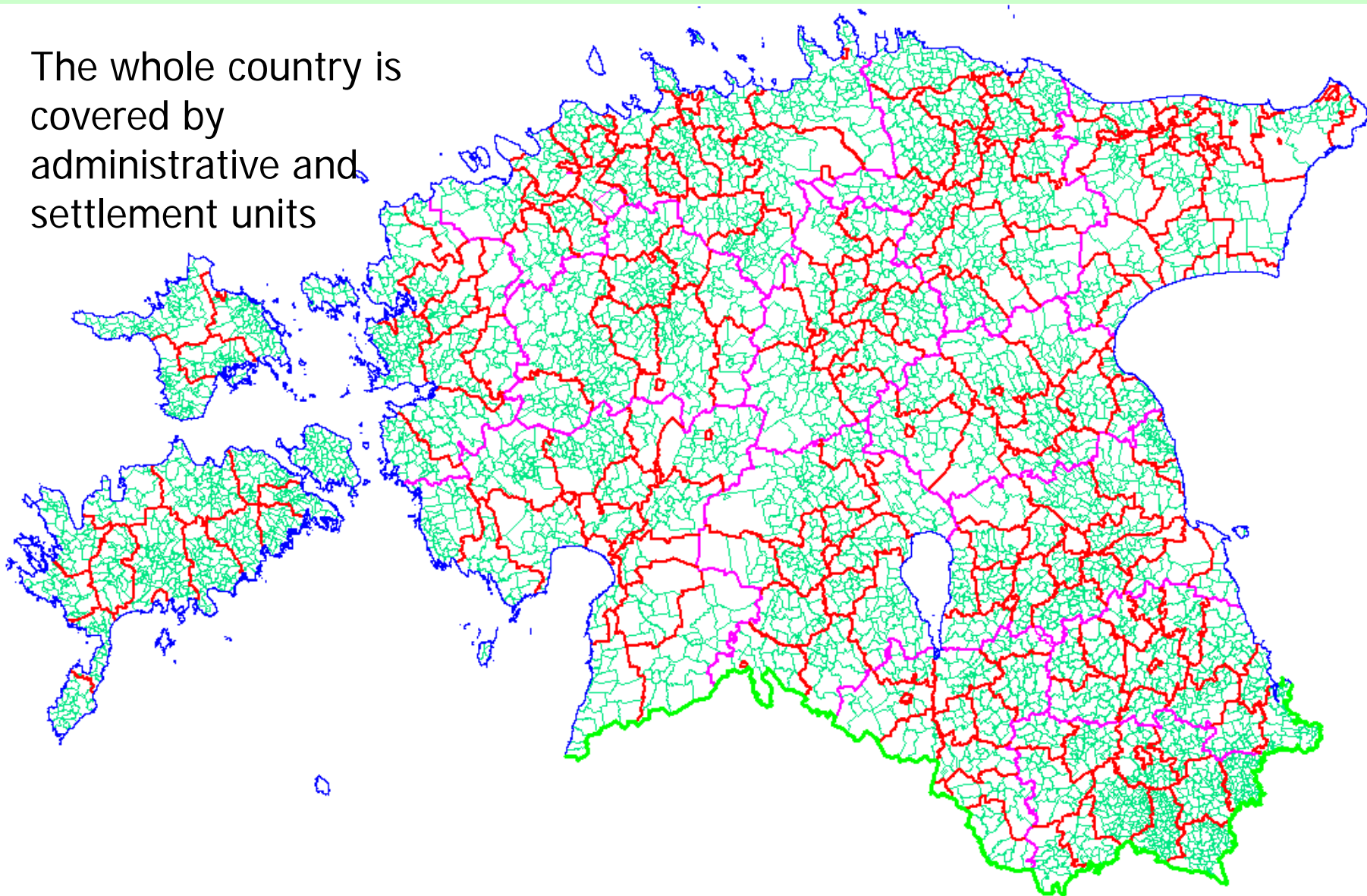


when you do not care where you are, you cannot get lost ...

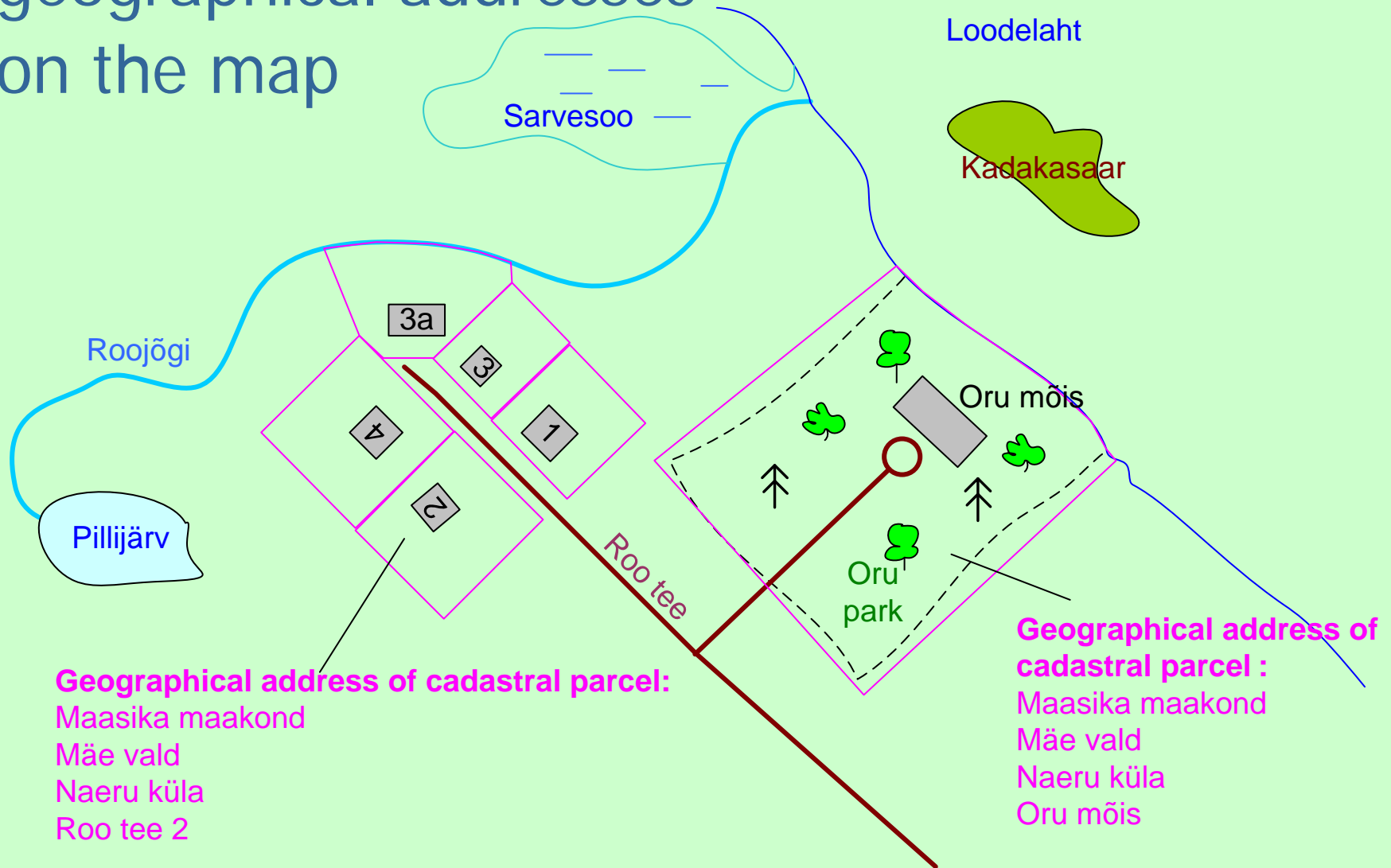
Administrative and settlement units



The whole country is covered by administrative and settlement units



Place names and geographical addresses on the map



Institutions



MAA-AMET
Estonian Land Board



Ministry of Internal Affairs

<http://www.siseministeerium.ee>

Coordinator of place names. Drafts national legislation, performs supervision in the field of place names

Place Names Board

<http://www.eki.ee/knn/index2.htm>

Gives advice to authorities and officials approving place names



Institute of the Estonian Language

<http://portaal.eki.ee>

Office of onomastic expertise consults in linguistic matters, performs linguistic supervision



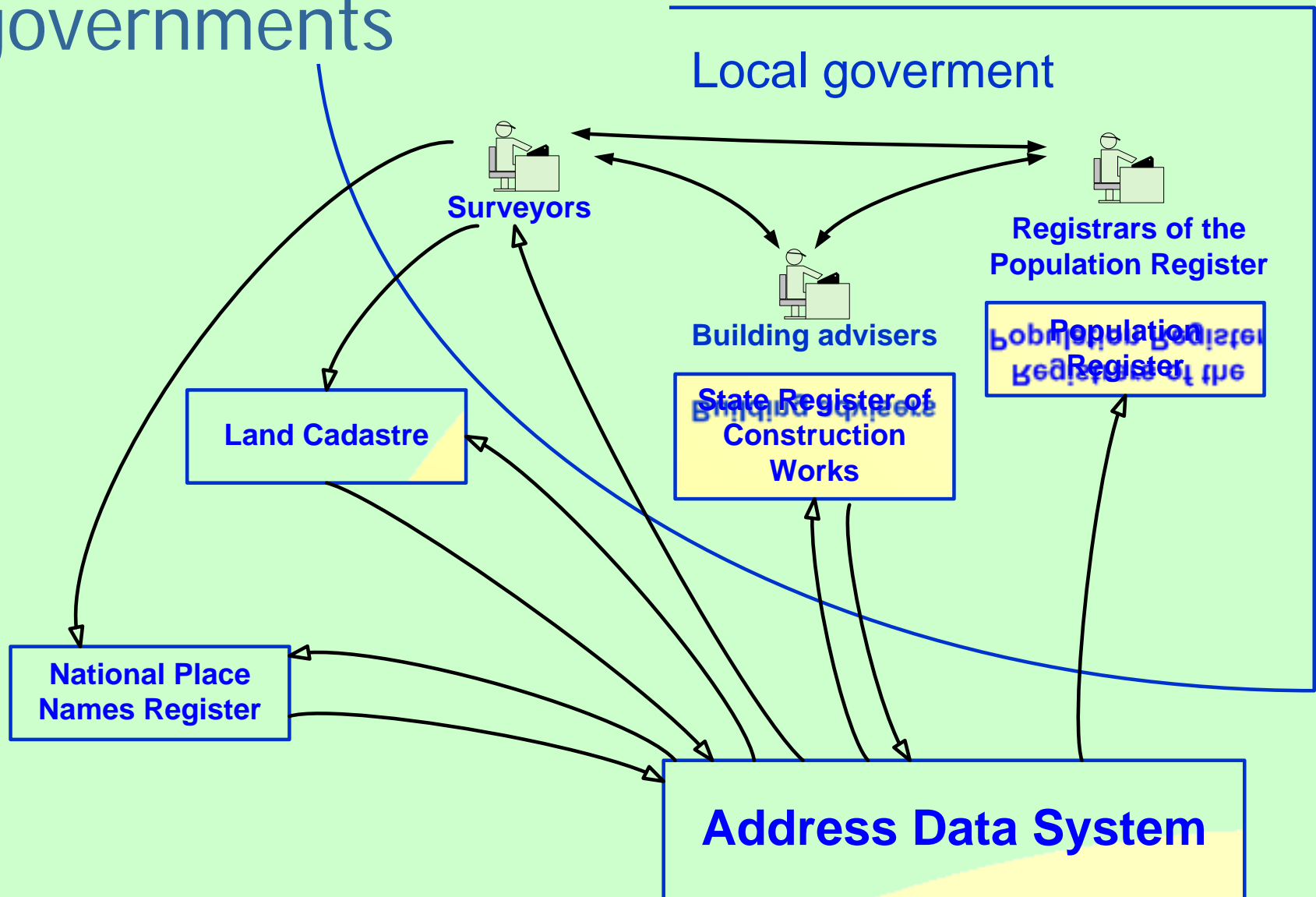
MAA-AMET
Estonian Land Board

Estonian Land Board

<http://www.maaamet.ee/>

Coordinates standardisation of place names and address data, consults in standardisation procedures

Data supply in local governments

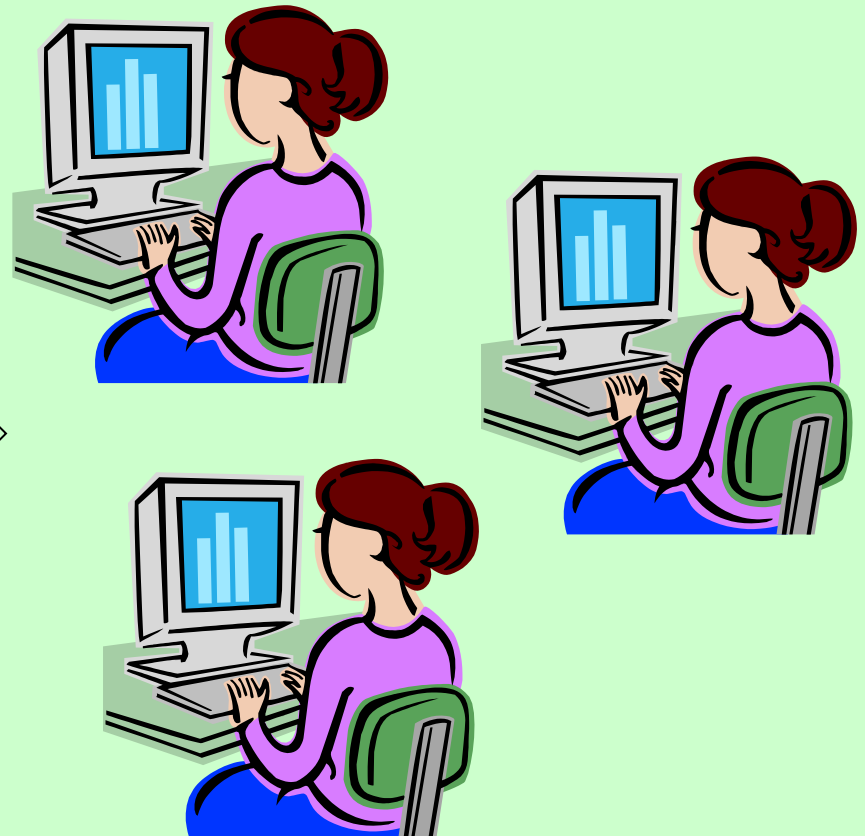


Workflow at the local government

The local government body approves place names and geographical addresses



Registrars of respective registers enter the data into the registers controlling quality of the data by the way



New public application



of the ADS: <http://xgis.maaamet.ee/adsavalik/ads>

The screenshot shows a web browser window with the URL <http://xgis.maaamet.ee/adsavalik/ads>. The browser's address bar and tabs are visible. The page content includes a header with the text "ADDRESSIANDMETE SÜSTEEMI AVALIK TEENUS" and "Vastutav töötaja Maa-amet". There are logos for the European Union, the Estonian Land Board, and the X-GIS(4) Portal. A navigation bar contains links for "Simple search of addresses", "Official address data", "Unofficial address data", "Extracts", and "Help". The main content area is titled "SIMPLE SEARCH OF ADDRESSES" and contains a search form with the following fields:

- County:
- Omavalitsus:
- Settlement unit:
- Territorial address unit: ?
- Traffic surface: ?
- Name: ?
- Address number: ?
- Part of the building: ?
- Address as text: ?
- Type of the object: ?

Below the search form is a section titled "Space filter (L-Est coordinate system)" with the following fields:

- X-coordinate L-EST (6 300 000-6 700 000): ?
- Y-coordinate L-EST (300 000-800 000): ?
- Range (m): ?

At the bottom right, there are three buttons: "Find", "Empty fields / Initial view", and "Help".

On the map



ADDRESSIANDMETE SÜSTEEMI AVALIK TEENUS Vastutav töötaja Maa-amet



Europe Liit
Euroopa
Regionaalarengu Fond



Eesti Iseloomu heade

X-GIS(4) Portal



Simple search of addresses

Official address data

Unofficial address data

Extracts

Help

FOUND ADDRESSES

[Simple search of addresses](#) > Found addresses

Index number	Object ID	Type	Attribute	Full address	Status	To the map
	↕ ⤴	↕ ⤴	↕ ⤴	↕ ⤴	↕ ⤴	↕ ⤴
1	2455080	katastriüksus	29703:040:0001	Harju maakond, Kernu vald, Kaasiku küla, Maasika AÜ 10	ametlik	Spatial figure
2	2813161	elamu	116061760	Harju maakond, Kernu vald, Kaasiku küla, Maasika AÜ 10	ametlik	Spatial figure
3	3549200	mitteametlik hoone	116061760	Harju maakond, Kernu vald, Kaasiku küla, Maasika AÜ 10	mitteametlik	Spatial figure
4	2675523	mitteelamu	118005511	Ida-Viru maakond, Narva linn, Maasika tn 10	ametlik	
5	2675522	mitteelamu	118005510	Ida-Viru maakond, Narva linn, Maasika tn 10	ametlik	
6	2675521	mitteelamu	118005509	Ida-Viru maakond, Narva linn, Maasika tn 10	ametlik	
7	2675520	elamu	118005508	Ida-Viru maakond, Narva linn, Maasika tn 10	ametlik	
8	2699435	katastriüksus	51107:027:0041	Ida-Viru maakond, Narva linn, Maasika tn 10	ametlik	Spatial figure

On the map



http://xgis.maaamet.ee/xGIS/XGis

Hybrid Orthophoto Map Background maps Relief

X: 6560617.1 Y: 519445.8
Niidu B: 59°11'0.98" L: 24°20'24.56"
H: 33 m

Niidu AÜ 13
Niidu AÜ 12
Niidu üldmaa
Niidu AÜ
Niidu aiaandusühistu
Metsapere AÜ 1
Niidu AÜ 7
Niidu AÜ 8
Niidu AÜ 9
Niidu AÜ 11
Niidu AÜ 10
Metsapere AÜ 23
Niidu AÜ 6
Niidu AÜ 5
Niidu AÜ 4
Niidu AÜ 3
Niidu AÜ 2
Niidu AÜ 1
Maasika AÜ 4
Maasika AÜ 3
Maasika AÜ 10
Maasika AÜ 5
Maasika AÜ 8
Maasika AÜ 7
Maasika AÜ 6
Maasika AÜ 11
Maasika AÜ 12
Maasika AÜ 20

2455080

select range select scale

Object info
Search (1/1)
Search: Valid address objects

To search objects basing on the address use address search in the upper button searching by date of legal base the button

Version ID of object: 2455080
Type of address object: ---
ADS_OID:
ID in the register of origin:
Date of legal approval:

<input type="checkbox"/>	Version	Type of	ADS_OI	ID in the
<input checked="" type="checkbox"/>	2455080	parcel	CU0014	29703

- Cadastral parcel geometry and geographical addresses in Land Cadastre



More information

- Estonian Land Board: <http://www.maaamet.ee/>
 - [Place Names Act](#)
 - [Government of the Republic Regulation No. 251 of 20 December 2007 "Address Data System"](#)
 - National Place Names Register in English:
<http://xgis.maaamet.ee/knravalik/knr?LANG=EN>
 - Estonian Land Board Geoportal:
<http://geoportaal.maaamet.ee/eng/>
 - Address Data System (ADS) :
<http://geoportaal.maaamet.ee/eng/Address-data-query-p389.html>
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Thank you!
