



AS-WAS



AS-IS







Service counter is empty, users are online

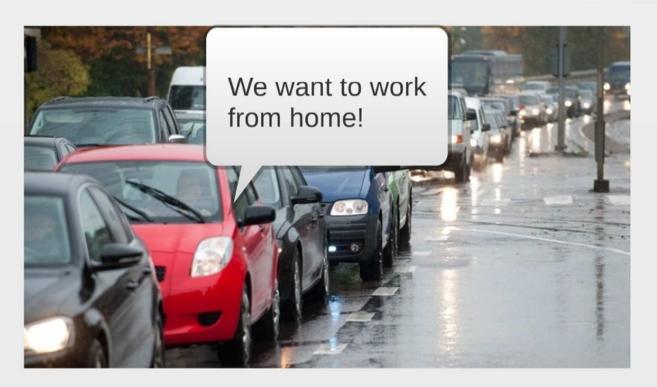


Working environment, counter service!?

Home office option allowed for registrars!

- Secure VPN network
- Electronic identity PKI login
- Electronic signature used in decision making
- Block chain (implemented in coming months)





Process is electronic and mature











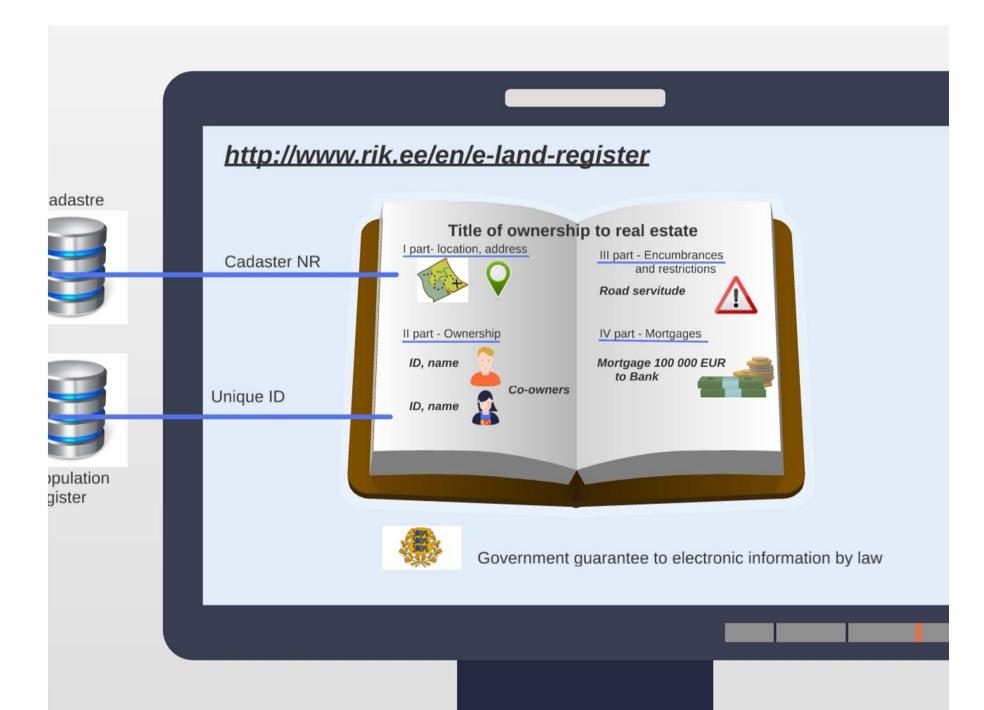
Buyer

Problem to solve:

Electronic Land Registry Management System sustainability

- 1. Is 11 years old (No legacy policy > 13 years).
- 2. Request for change price is high.
- 3. System components are outdated.
- 4. Growing need of higher performance.
- 5. Outdated interface (UI&UX).
- 6. Focus is changed from paper to electronic.



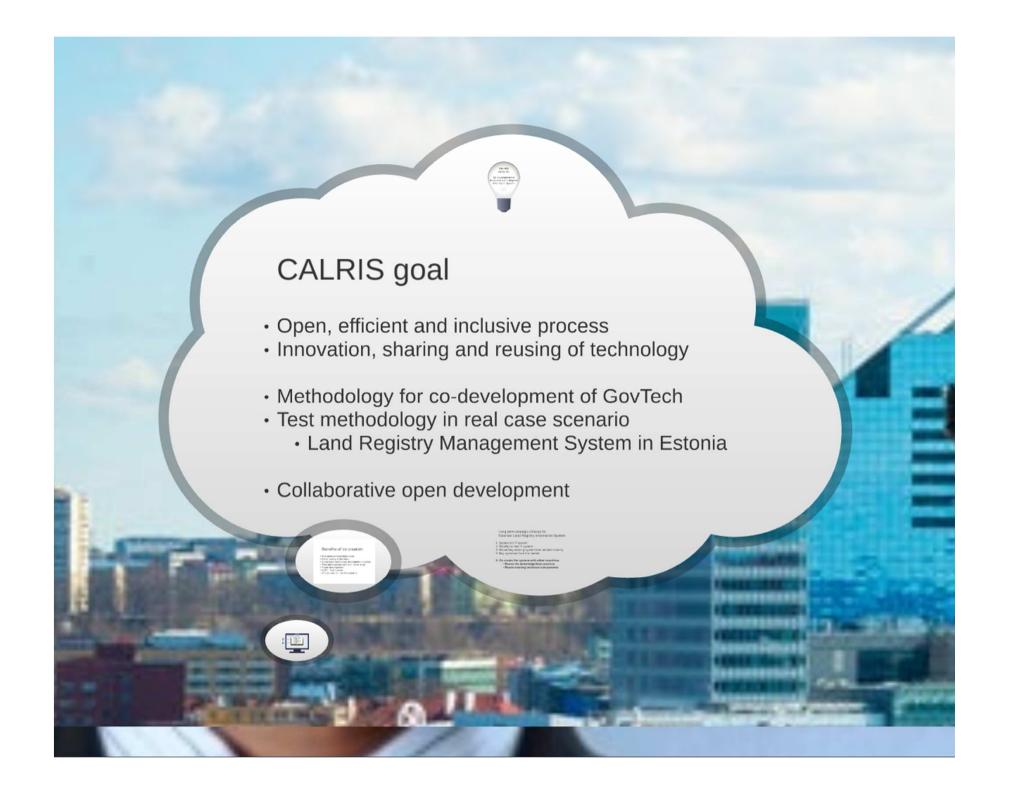


Long-term strategic choices for Estonian Land Registry Information System

- 1. Update old IT-system
- 2. Develop a new IT-system
- 3. Reuse/buy existing system from another country
- 4. Buy a product from the market
- 5. Co-create the system with other countries.
 - Reuse the knowledge/best practice
 - Reuse existing technical components



Co-development of Adaptable Land Register Information System



Benefits of co-creation

- Best practice knowledge base
- Better quality of the result
- Sustainable technology development practice
- More development partners- better price
- Faster development
- EUPL free licence
- Shared cost for new functionality

12 Partners in CALRIS8 countries

Centre of Registers and Information Systems ESTONIA
Ministry of Justice of ESTONIA
Tallinn University ESTONIA
Tartu County Court ESTONIA
Land Board ESTONIA

Bundesministerium Fuer Justiz AUSTRIA

Registers of Scotland UNITED KINGDOM

Tiesu administrcija LATVIA

Kabul University AFGHANISTAN

Elizade University NIGERIA

Ghana Technology University College GHANA

Emirates Real Estate Solutions UNITED ARAB EMIRATES



The deliverables of the project CALRIS

1) Methodology- Guidelines for conducting an inclusive, international and cross-sector co-development of a public land register management e-solution.





2) Reusable IT system- A trans-nationally adaptable core land register information system (public procurement).





3) Demo Portal- A cloud-based land register demonstration environment, for testing the features of the solution.



4) Implementation in Estonia - A piloted country-specific adoption of the core land register software solution for Estonia (public procurement).



Test Production

Technical architecture to be investigated



#MicroServices

#CloudService

#BlockChain

