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# Introduction of Estonian Education Information System (EHIS)

**Birgit Lao-Peetersoo**

Head of Analysis Department

Ministry of Education and Research of Estonia

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# Web based info system, which:

- was established on 2005 - [www.ehis.ee](http://www.ehis.ee);
- contains data on education from the original source (core provider);
- enables longitudinal research since 2005;
- contains personalized data;
- is accessed only by ID card;
- cooperates over 20 different information systems;
- has approx. 40 x-road lives services open.
- has input from approx. 2,000 agencies and 5,000 users.



# Description of data

- Registries of:

  - Basic Education (2008)

  - General Education (2001)

  - Vocational Education (1998)

  - Higher Education (1998)

  - Interest in Education (2008)

  - Adult Education (2011)

- Additional information about:

  - Learners

  - The educators (teachers; academical teaching staff)

  - Educational Institutions

  - Curricula and training permits

  - Educational certificates

  - juvenile Committee



# EHIS registries are based on modules

- Each module has certain user. Modules for/about:
  - enrolment;
  - teachers;
  - educational institutions;
  - documents certifying education;
  - early childhood education;
  - popular (non-formal) education;
  - juvenile committee;
  - state examination registration;
  - textbooks;
  - teaching staff;
  - adult education;
  - curricular module.



# What is an x-road?

- Data exchange layer X-Road was launched in 2001. It is a technical and organisational environment, which enables secure Internet-based data exchange between the state's information systems.
- The X-Road allows institutions/people to securely exchange data as well as to ensure people's access to the data maintained and processed in state databases.
- More information: <https://www.ria.ee/x-road/>



# Main X-road services with EHIS

- Health Insurance Fund;
- different banks (student loans);
- Social Insurance Fund (family benefits);
- Defence Resources Board;
- ID-ticket (public transport benefits);
- application portal to VET and higher education;  
Unemployment Fund;
- Citizenship and Migration Board (residence learning data);
- etc.



# EHIS on eesti.ee

- This service is intended for persons acquiring general education, vocational education or higher education, as well as teachers and academic staff working on the same level.
- The service allows to request personal data and returns the data in three blocks:
  - general personal data
  - data on studies
  - data on working as a teacher/academic.



# Data is used

- By all x-road service consumers;
- By National Statistics Office;
- For research and monitoring;
- Also for specially designed data opening web environment HaridusSilm (EducationEye) [www.haridussilm.ee](http://www.haridussilm.ee) This is a service for:
  - parents, learners, schools, local municipality, decision makers;
- Consists data about all educational levels; research; educational expenditure; teachers salary.





# Future of EHIS

- Will start to create EHIS 2 – approx. 3-4 years project.
- Additional informational to HaridusSilm:
  - Collection of output and impact indicators to measure schools effectiveness;
  - Data on the success of graduates on the labour market.
  - Data on schools infrastructure.





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# Thank you

**Birgit Lao-Peetersoo**

[birgit.lao-peetersoo@hm.ee](mailto:birgit.lao-peetersoo@hm.ee)