Building a national education registry in Norway

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About Sikt

→ The organisation is a public administrative body under the Ministry of Education and Research.

→ Sikt has approximately 400 employees.

→ The main office is in Trondheim, with additional offices in Bergen and Oslo.
Sikt’s roles

- Help companies and users in Education and Research achieve their goals
- Facilitate data sharing and reuse
- Provider of shared services
What is the purpose of the education registry?

- Support digitalisation, automation and streamlining in the education sector
- Promote data sharing in the sector and provide smoother user experiences
- Provide a platform for generating and assigning unique identity to education and tamper-proof storage of educational information and the formal accreditation of the education as well as information on the formal approval of education.
- Contribute to assurance that education offered is accredited, and facilitate the use of data for analysis, management, research and statistical preparation.
Learning opportunities, Digital credentials, Admission

Stakeholders

Services

Education registry
- Institutions and education registry
- Accreditation

Certificate of competence
- Diplomas, karakterer
- Badge and micro-credentials
- Control of diplomas
- Subscription and export

Admission
- University and college admission service
- Locally at HEIs
- Lookup/Verification and Export

IT Systems
(Development, operation and Forvaltning)

Diploma registry
- NVB
- FS
- Other sources

«Verifying accreditation»
- «Get education overview»
- «Verifying accreditation»

«Retrieve diplomas and results»
- «Checking application status»
- API access or messages queue
- Through Gateway

Internal in Sikt
- Utdanning.no
- Lånekassen

External system
- Sikt

External system
What is the national education registry?

Central Authoritative Overview
Act as the master source for education data, including the identity of the education.

Accreditation
Include all levels of education and their formal accreditation

Central Common Identity
A service for giving each learning opportunity an unique ID

Verification
A service for national-level accreditation verification
Central Authoritative Overview

The education registry shall provide an overall overview of education offerings in a lifelong perspective, both formal and non-formal education. This includes, among other things,

- Primary and secondary education, vocational education
- Higher vocational education,
- The education offered by universities and university colleges
- Courses offered by both private and public actors.
Accreditation of education

To achieve digitalization and automation of several processes within Norwegian education, there is a need for a comprehensive overview of the education offered, and its formal accreditation.

Norway currently have no authoritative overview of the educational offer, and thus no secure digital verification of approval status/accreditation.

The register will support the process for accreditation and take care of the results of an accreditation process.
ID service

• The sharing of education data across systems and organizations presents challenges in terms of identification of the individual education

• A unique ID will
  • simplify sharing data
  • enable connected services across organisations
  • Give history on educations
Verification service

• To check whether the education offered is formally approved.
• A solution for verification of approval throughout the entire lifespan of the education.
• Automate verification process of digital diplomas.
• Norway has obligations to other countries to deliver data on Norwegian education and its formal status.
National Education Registry - Overview

Data Owners and Producers
- Educational Institutions
- VIGO and UDir
- NOKUT
- Sikt and HK-Dir (SO, FS, etc.)
- Others with data related to education in Norway

National Education Registry
- Web-based User Interface and APIs
- Components:
  - Education and Institution data
  - ID-service for Education programs
  - Accreditation and Verification service
- Secure and tamper-proof storage

Consumers
- Educational Institutions
- Student financing
- Government
- Sikt and HK-Dir (Admission, Utdanning.no, etc.)
- NOKUT
- Europass and Eqar
- Others with data related to education in Norway
Information model

From Learning specification to Diploma
Sikt
Norwegian Agency for Shared Services in Education and Research