

Research project: learning analytic

Project owned by

“Norwegian Association of Local and Regional Authorities”
Organisation for all municipalities in Norway

Centre for the Science of Learning & Technology (SLATE)
Slate.uib.no

City of Oslo (Municipality and County)

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1. A model for the appropriate organization of learning goals related to the school's local curriculum and the content providers' detailed learning goals, and their relationship to the competence objectives in the national curriculum. The national curriculum is available in a machine-readable database (GREP). A key task is to develop a sustainable structure and management of these goals in a common database for participating schools and content providers.
2. A model for quality assurance of the content providers' encoding of raw data (student activity in learning applications and assessment of competence) based on national standardisation work in the field, and includes quality assurance of the corresponding decoding of the raw data. This model will ensure that **all** content providers have equal access to **all** activity data generated by applications of the content provides that commit to sharing their data. This includes the registration, transmission, and interpretation of these data, such that the integrity of the statistical validity, among other things, is ensured. The work is based on the Norwegian adaptation of the International Standard Experience API (abbreviated xAPI).
3. A model for identifying the student's academic level linked to relevant learning resources. The model describes how a student's

competence gap can be identified based on the activity data, and describes how relevant learning content that can contribute to the student's further progression can be identified. The model should contain a methodology for appropriate linking to learning resources that can bridge the identified competence gap.