Technology-Enhanced Assessment Services at Swiss Higher Education Institutions

Technology-Enhanced Assessment Services at Swiss Higher Education Institutions: University of Zurich

Eduhub days 2016

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FORMATIVE ASSESSMENT

academe®

www.academe.ch

mobile flashcards

Klicker^{UZH}

http://www.klicker.uzh.ch/

Instant-Class-Response-System

SUMMATIVE ASSESSMENT

Software:
OLAT (LMS with E-Assessment)
OLATplus (E-Assessment)
Electronic scoring of paper-exams
Digitalisation of revised exams
Exam admission control

300 workplaces	90 workplaces	50 workplaces
Häldeliweg	Tierspital	Flexible

Current E-Assessment centres

Current goals:

- Actualisation of the current e-assessment infrastructure
- Software linking: OLAT (LMS) & OLATplus (e-assessment)
- Migration-strategy for existing online tests

Current challenges:

- Parallel development of OLAT and OLATplus
- Satisfying the heterogeneous needs of our different faculties
  (Theology, Law, Economics, Medicine, Vetsuisse, Arts, Science)
- Providing an e-assessment centre for up to 600 students
- Cooperation with other Universities

Significant obstacles recently overcome:

- Reorganisation of OLAT/OLATplus development and migration strategy
- R and SPS connection
- Exam workflow (organisation, communication)

Important challenges mastered:

- Several successfully realised e-assessment exams

  (e.g. Faculty of Economics: open-book exam with more than 800 students)

- Electronic analysis of paper-exams (MC-questions)

- Digitalisation of revised exams (archive)

- Exam admission control (scan: paper of identity or bar code)

- OLATplus e-assessment software with question-pool

  https://www.olatplus.uzh.ch

Current goals and challenges

Current goal: Setup an e-assessment service at the University of Geneva, starting on January 2016.

Current challenge: Motivate teachers (beyond early adopters and individual initiatives) and faculties to test and adopt e-assessment.
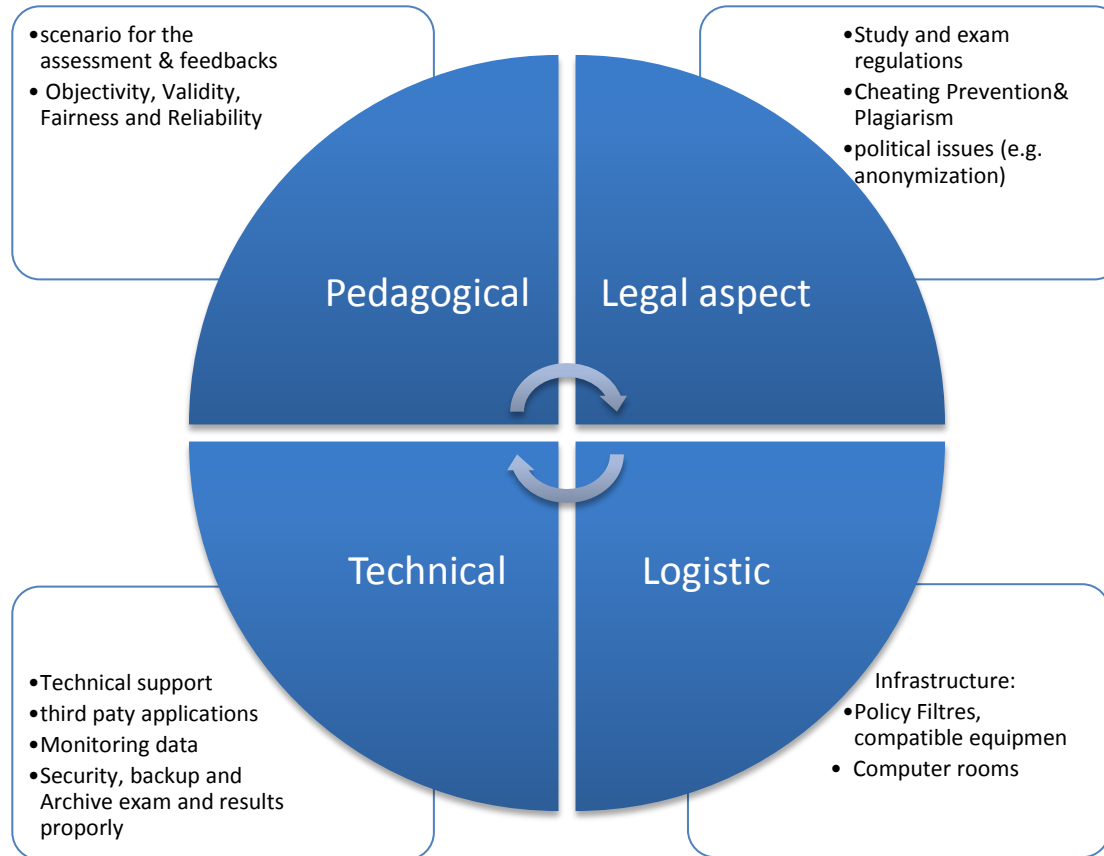
Important challenges mastered

- Until now, we have organized 15 pilots for online exams and mock exams with about 1500 students for 10 teachers from 4 faculties
  - The technology is based on Moodle and SEB.
- Based on these first pilots, we have submitted an official request to the Rectorate for an e-assessment project
  - We have received a positive decision to go ahead and establish an e-assessment service for the whole University.

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Four e-assessment dimensions

•scenario for the assessment & feedbacks
• Objectivity, Validity, Fairness and Reliability

•Study and exam regulations
•Cheating Prevention& Plagiarism
•political issues (e.g. anonymization)

Pedagogical

Legal aspect

Technical

Logistic

•Technical support
•third paty applications
•Monitoring data
•Security, backup and Archive exam and results proporly

Infrastructure:
•Policy Filtres, compatible equipmen
• Computer rooms

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Significant obstacles recently overcome

- Get institutional support
  - → project accepted by the Rectorate
- Group of early adopters
  - Dissemination
- Setup of a dedicated computer room with 100 seats.
- Next challenges to overcome:
  - Massification, BYOD, interest of lecturers, quality of questions, regulation and legal aspects.

# Technology-Enhanced Assessment Services at Swiss Higher Education Institutions: ETH Zurich

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Educational Development and Technology (LET), ETH Zürich

Current Goals and Challenges

- How to scale from 10% of all written examinations onward

- Room infrastructure
  - centrally managed computer rooms
  - lecture halls with wifi and mobile devices
  - computer rooms managed by departments

- Innovations in examination practice

#Candidates

room infrastructure
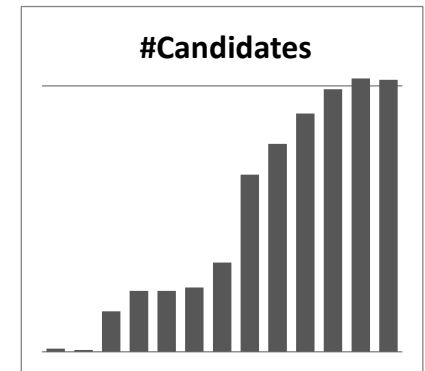
network & server infrastructure

IT service

examination practice & culture

Important Challenges Mastered

- Rich, authentic examination environments
- Dependable testing and update procedures
- Efficient and reliable on-site support
- Faculty trust and support

room infrastructure

network & server infrastructure

IT service

examination practice & culture

Significant Obstacles (Recently) Overcome