E-Assessment workshop on aQTI in Utrecht

Ministry of National Education, Childhood and Youth, LUXEMBOURG

QTI (future needs and workshop expectations)

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27 -28 August 2015
Who are we?

- Ministry of National Education, Childhood and Youth
  - Department for the Coordination of Research, Pedagogical and Technological Innovation

I. **Agency for the Development of Quality in Schools (ADQS)**

II. Division of Innovation

III. Institute of Professional Development (teachers)
Our mission?

Agency for the Development of Quality in Schools (ADQS):

- Offers scientific and methodological support to all schools in order to improve their quality of teaching and learning;
- Assists schools in drawing up their school development plans based on data (demographic, performance, process, perception);
- Collaborates with different institutions in order to exchange experiences on monitoring of student performance.
Monitoring of student performance

- **Steering** the education system using “evidence based policy”

- **Identify** strengths and weaknesses of schools
  - **Define** school development strategies

- **Assess** student performance at class level
  - **Verify** the attainment of learning standards
  - **Reflect** on one’s own assessment
  - **Adapt** learning according to student needs

- **Determine** the path of student achievement
  - **Identify** individual student needs
  - **Support and orient** students
  - **Inform** parents
Current involvement in testing?

- Close collaboration between ADQS and Uni-Luxembourg (Luxembourg Centre for Educational Testing)
  - continued improvement of national assessment tools
  - increased support to schools (reading, interpreting and using school performance data)

- Initial collaboration between the Ministry of Education and OAT to introduce the TAO platform and its uses to the schools in Luxembourg
Current involvement in testing?

- School « monitoring » using national « standardised » tests
  - tests are based on national standards defined for each learning cycle
  - medium- and long-term goals (Cycles 1, 2, 3, 4 of fundamental schools et 5 / 9 grades in secondary schools)
  - coherence across structural reforms with a drive towards school improvement and accountability
Current involvement in testing?

- Collaboration with international partners (Luxembourg, France and Canada) for the development of a digital mathematical learning environment
  - grades 5 and 6 students (5000 students per grade)
  - creation of digital learning and formative assessment maths items
  - focus on adaptive learning and real-time feedback to students and teachers
Future plans for testing?

- Link school curriculum and learning standards
- Creation of digital learning and assessment items for languages, science and other subjects
- Ensure coherence across content and platforms
- Delivery of tools, items and data to schools to transform teaching and learning in the classroom
Challenges for testing?

- Increasing demand for learning platforms, digital formative learning and assessment items and sharing of these items
- Lack of knowledge of QTI standards for assessment items
- Obligation to outsource to external institutions with different platforms and standards to create learning platforms and content
- Complexity of managing different learning environments
- Difficulty of transferring items across platforms
Expectations from workshop?

- Increase in awareness of QTI standards and importance of interoperability regarding platform and content;
- Criteria to consider when investing in digital learning and assessment initiatives (online curriculum, alignment to standards, adaptive learning, item creation and sharing) for use by school;
- Potential to share experiences on mobilizing policymakers and schools on the importance of using QTI standards (first collaboration with OAT), sharing of existing content and platforms in order to transform teaching and learning.
Thank you for your attention!

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