Assessing the quality of online and blended learning using the methodology of e-Maturity Model

A pilot study in adult education in Flanders

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Research questions

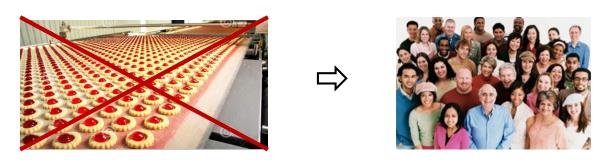
- Research is part of a the <u>Adult learners online (Alo!)</u> project inculding:
 - 4 Flemish universities
 - 3 centres for adult education (AE)
 - consortium of relevant partners in AE and VET in Flanders
 - 5 research teams
- Focus of our research team = continuous quality improvement (CQI) of existing and new online and blended learning programs (OBL) at the institutional level
- Research question:
 - Which indicators and procedures should be included in instruments for an effective CQI approach of OBL?
 - How can AE providers effectively implement these elements in CQI instruments for OBL
 - What are the effects of the CQI approach on the quality improvement of OBL pograms/courses offered in adult education?

Content

- Concepts
 - continuous quality improvement (CQI)
 - total quality management (TQM)
 - quality culture
- context of online and blended learning in adult education in Flanders
 + state of play quality assurance approach
- self-assessment instrument eMM
 - criteria for selection
 - characteristics
- pilot study in a center for adult education (CVO): CVO Antwerpen

Continuous Quality Improvement (CQI)

 CQI is strongly related to the Total Quality Management (TQM) movement



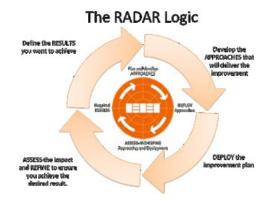
- TQM is orientation on:
 - customers
 - processes
 - quality instead of quantity

Continuous Quality Improvement (CQI)

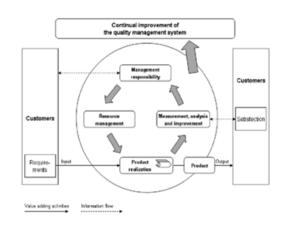
Quality cycles based on TQM



Deming's PDCA-circle



The Radar Circle of EFQM (European Foundation for Quality Management)



Model of a process-based quality management system from ISO 9001:2000 (International Organization for Standardization)

Quality culture

- The concepts of Total Quality Management are generally accepted in European education
- But to some:
 - to bureaucratic
 - to technocratic

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- Vivid debate on quality culture with:
 - quality management approach &
 - quality commitment and engagement of all stakeholders?
- How?: foster self-reflection
 f.i. by using self-assessment

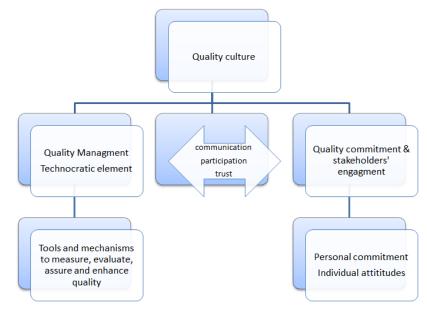
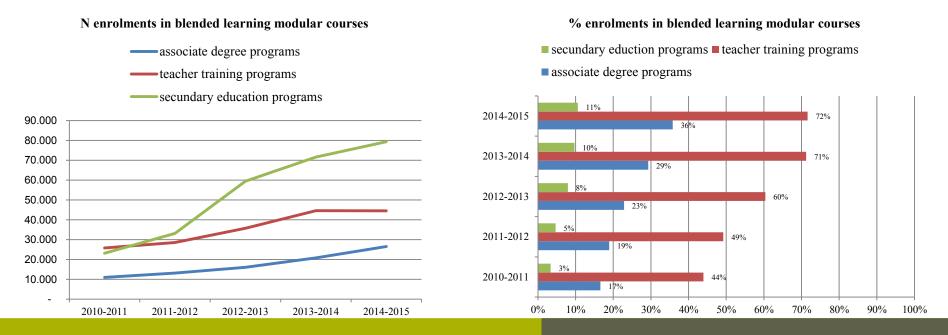


Figure: Quality Culture and Quality Mangagment, Source European University Association

The context of adult education (AE)

- Formal education and vocational education training
- great diversity of learners
- growing popularity of online and blended learning (OBL)
 - ⇒ discussion on the quality of OBL



Current state of quality assurance in AE?

- Focus group interviews in 5 centers with:
 - policy makers and quality assurance coordinators
 - teachers in OBL programs
- Results:
 - no specific approach for OBL provision
 - limited alignment between institutional and program level
 - ⇒ need to foster/reinforce the internal quality culture
 - no need for a statistic framework with predefined standards but:
 - ⇒ centers prefer dynamic and developmental procedures and procedures

Why eMM has been selected?

 literature review on existing standards, guidelines, benchmarks and assessment instruments for OBL

Criteria:

- oriented towards adult education or adaptable for adult education
- focused on the institutional level
- aimed at CQL
- learner centered
- oriented at different stakeholders
- ⇒ selection of e-learn maturity model (eMM)

Characteristics of eMM

- assessment of the e-learning capability of institutions in 35 processes in 5 process areas:
 - learning
 - development
 - support
 - evaluation
 - organization
- division of each process in 5 dimensions
- assessments scores for 0 4

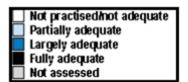


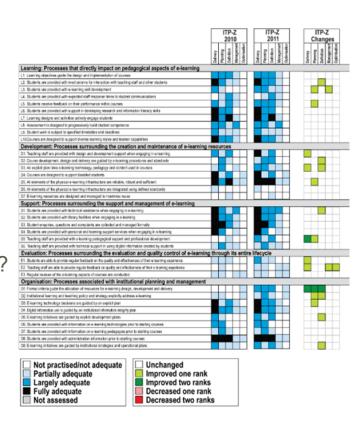




Figure 3: eMM Process Dimensions

Characteristics of eMM and RQ

- assessment shows strengths and weaknesses
 - ⇒ detect improvement areas
 - ⇒ negotiate common accepted improvement plans
- Research questions:
 - Is eMM appropriate for the context of OBL in AE?
 - Can eMM be used in its current format or are adaptions advisable?
 - How can eMM be contextualized for institutions with a different level of maturity
 - ⇒ pilot study in CVO Antwerpen



Pilot study eMM in CVO Antwerpen

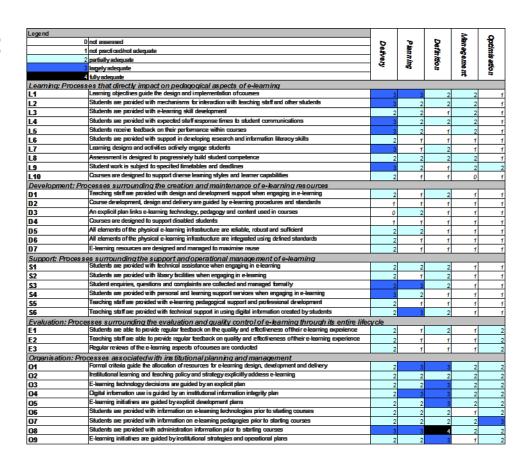
- Preparatory meeting with the management:
 - selection of the most appropriate contexts
 - selection of staff members to be involved
- Individual assessments of 3 process areas

Assessors		Process areas assessed				
		Learning	Development	Support	Evaluation	Organization
Principal					х	х
OBL Teachers	Foreign Languages	Х		Х	х	
	Second Chance Education	Х		Х	х	
Training managers	Second chance education	Х		х	х	
	Entrepreneurship training	Х	х	Х		Х
	Computer science (associate degree)	Х	х		х	
	Accountancy (associate degree)	Х		Х	х	
Staff	IT support		х	Х		
	media support		x	Х		Х

Planned: groups assessment + improvement plan

Preliminary results of the pilot

- Assessors were positive, but:
 - translation = needed
 - full assessment = too long
 - a lot of practices ≠ for OBL
 - some processes ≠ AE
 (f.i. library services)
- Mean of assessments = first glimpse of institutions OBL-capability



Preliminary conclusions and next research steps

- eMM is suited to conduct self-assessments in AE but:
 - more contextualization is needed
 - necessity to carefully define the role of assessors
 - what about centers with different levels of maturity?
- thank you!

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