Presentation of the paper "Learning services-based technological ecosystems"

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Abstract

This is the presentation of the paper entitled "Learning services-based technological ecosystems" in the TEEM 2015 International Conference held in Porto (Portugal) in October 7-9, 2015.

The gap between technology and learning methods has two important implications: on the one hand, we should not expect the integration of technological advances into teaching to be an easy task; and there is a danger that mature educational technologies and methods might not give an adequate answer to the demands and needs of society, underusing their transforming potential to improve learning processes. This study discusses the need for a new technological environment supporting learning services, and proposes the concept of the technological learning ecosystem as a solution to both problems. Educational ecosystems should be able to break the technological constraints of existing learning platforms and achieve an effective improvement in learning processes. Our proposed educational ecosystems pivot around five specific lines of action: 1) a framework architecture that supports learning service-based ecosystems; 2) learning analytics for educational decision making; 3) adaptive knowledge systems; 4) gamification of learning processes; 5) semantic portfolios to collect evidence of learning.

The presented paper may be cited as:

Link to the presentation
http://www.slideshare.net/grialusal/learning-servicesbased-technological-ecosystems

Keywords
Educational ecosystems; Technological learning ecosystems; Learning services; Learning analytics; Knowledge management; Gamification; Informal learning; Semantic portfolios; Cloud computing; Interoperability.

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