Abstract

Serious games have become an indispensable part of the training compared to traditional online training that is often seen as restrictive and boring sometimes by learners. However, despite the contribution and potential of serious games in the education, their integration in the learning process is limited, this is due to the lack of tools and features of tracking and assessment of the learner/Player. For this and after a study of existing standards for describing learning resources we find that they are incomplete when it comes to describe the serious games. This article explains how we can effectively deliver serious game for our students through LMS with a metadata schema to describe serious game as learning resources. This new metadata schema it is an application profile of IEEE LOM entitled "SG-LOM" which takes into account different evaluation studies and classifications of serious games. This metadata allows one hand to the serious games take advantage of features of tracking and assessments offered by these systems. On the other hand the LMS to complete their educational offer and reach a certain maturity.

References
- I. Marfisi-Schottman, S George, F Tarpin-Bernard, Un profil d'application de LOM pour les Serious Games, Environnements Informatiques pour l'Apprentissage Humain, Conférence EI AH 2011 (2011) 81-94
- M. Hendrix, P. Backlund, M. Lebram, H. Lundqvist, Sharing Experiences with Serious Games, 2013.

**Index Terms**

Computer Science

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**Keywords**

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