

# Customized x-Learning Environment: E-Portfolio Integration

Education needs to take into consideration the needs and expectations of each student. Additionally, interaction plays an important role in the creation of knowledge. Since the time in physical environment is more scarce, teachers are adopting learning environments that somehow help to build bridges between the world inside and outside school. These environments are putting more and more the student at the centre.

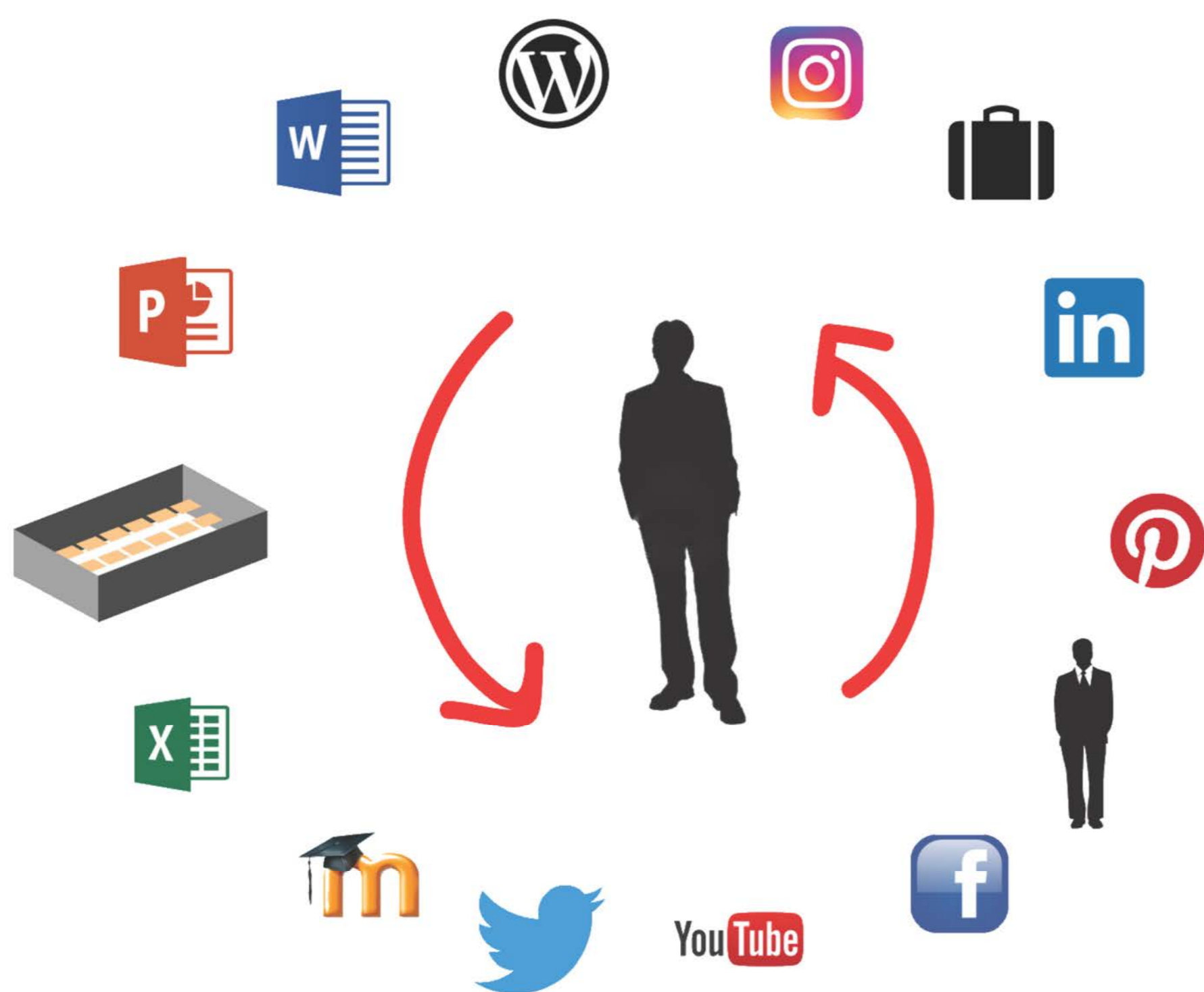
## Customized Learning Environment

The student is in the center and selects its supports.

Learning is no longer confined to schools, but expands to all the students personal environment.

This allows other key players to participate in the learning environment (Experts, Employers, etc.).

Informal learning becomes as important as formal learning.



## Theoretical Support

### Personal Learning Environment (PLE)

Support for learners to:

Set their own learning goals

Manage their learning (learning outcomes and processes)

### Social Networks

"... a web service that allow individuals to

(1) construct a public profile within a bounded system,

(2) articulate a list of other users with whom they share a connection, and

(3) view and traverse their list of connections and those made by others within the system."

Horizontal - used for more general purposes; diverse users; address a wide range of topics; reduced specialization; less privacy, public – lot of users and information; no filter

Vertical - highly segmented user base, addressing specific topics in depth, high degree of specialization, generally more private and closed.

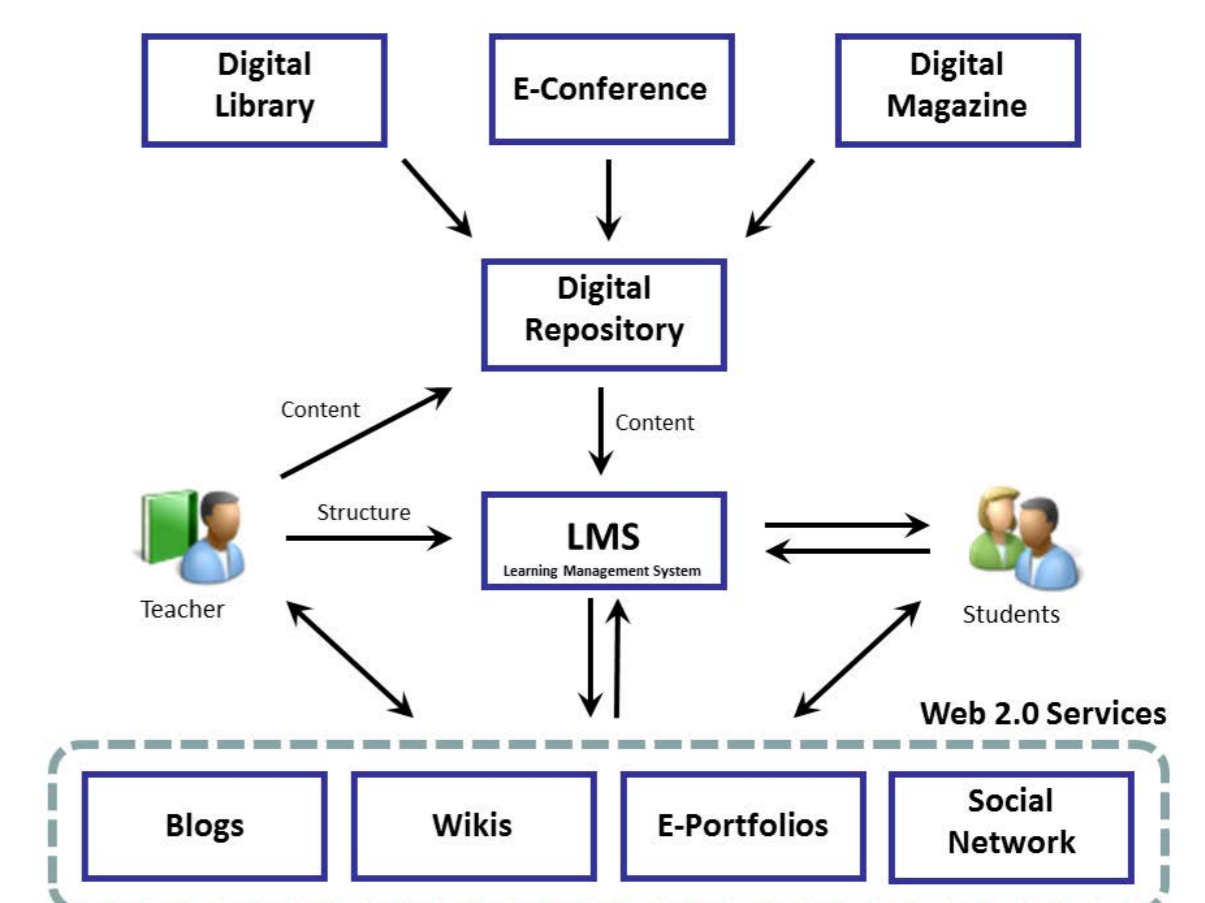
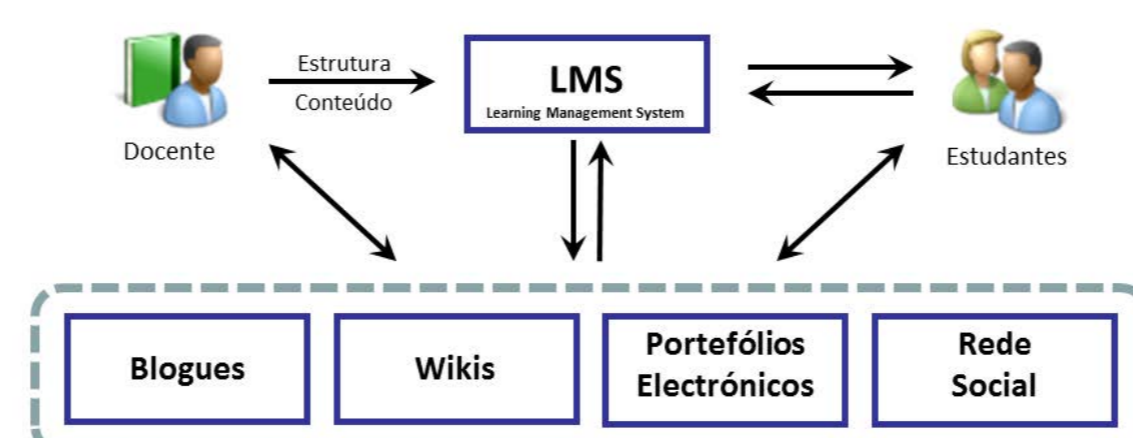
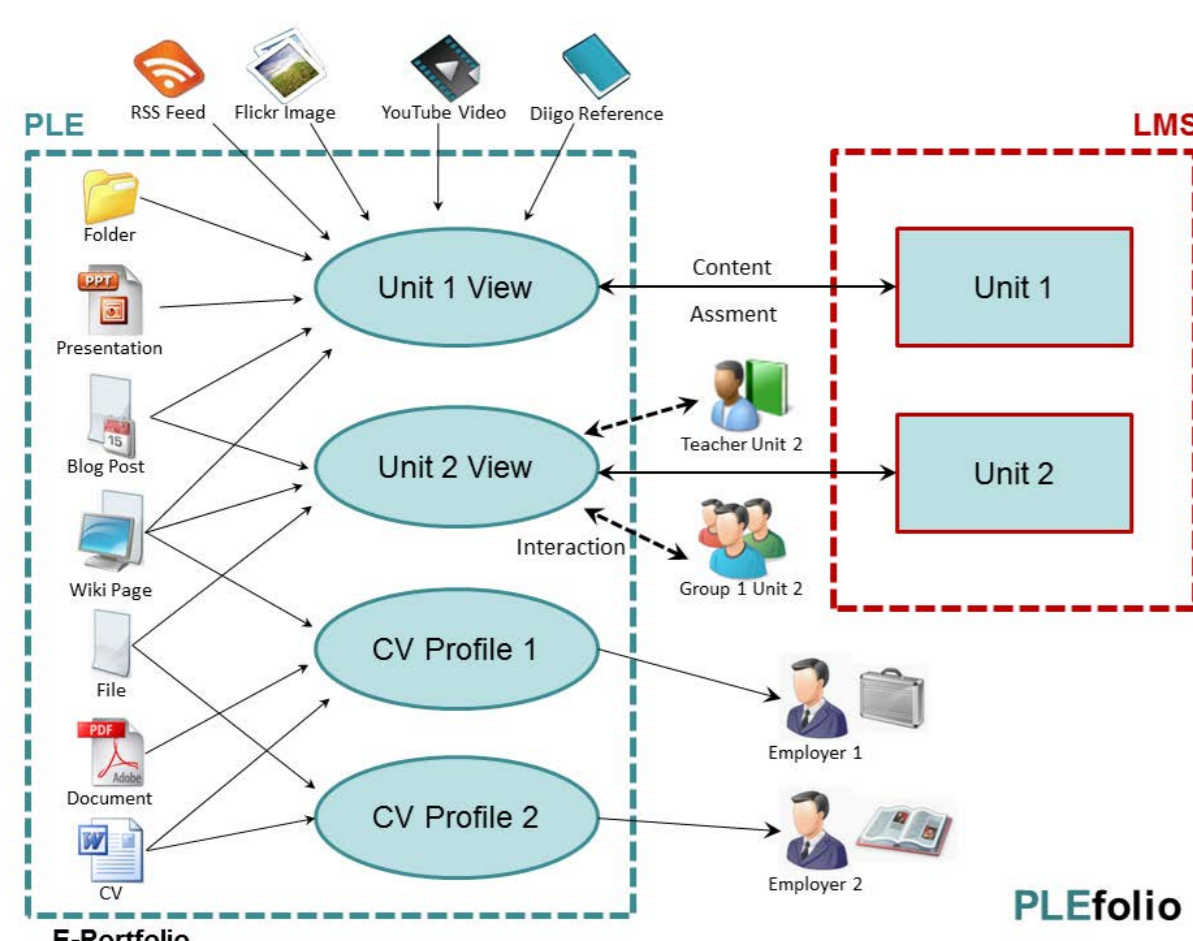
### Pedagogical Learning Theories

Constructivism - all new knowledge and learning is based on previous knowledge and past learning.

Connectivist - learning occurs through the process of a learner connecting to and transferring information into a learning community.

## Next Steps

Testing this customized learning environment to see if it works. Integrate it in all the learning space - formal and informal - in the LMS and introducing knowledge management applied to learning repositories to the personalized management of the teaching-learning process of the student lifelong, resulting in Personalized Lifelong Learning Space (PL2S).



Anabela Mesquita  
sarmento@isacap.ipp.pt



Paula Peres  
pperes@isacap.ipp.pt



Fernando Moreira  
fmoreira@upt.pt



Lino Oliveira  
linooliveira@esmad.ipp.pt