HEI-PLADI Project
Higher Education Innovation in PLant Diversity
Flexible learning paths for emerging labour market

ICT in HEI-PLADI

Rocco Oliveto and Simone Scalabrino

University of Molise

Agenda

- First part (Rocco)
  - Description of intellectual outputs that require ICT
  - First proposal of output implementation

- Second part (Simone)
  - A taste of how ICT can be used in HEI-PLADI
  - Live demo of proposed solutions

Agenda

- First part (Rocco)
  - Description of intellectual outputs that require ICT
  - First proposal of output implementation
- Second part (Simone)
  - A taste of how ICT can be used in HEI-PLADI
  - Live demo of proposed solutions

The role of ICT in HEI-PLADI

- Why ICT (Information and Communications Technology) is important for HEI-PLADI?

- "The strategic partnership aims at developing and testing a flexible learning path of a **virtual** and physical mobility […]"

- ICT will help to
  - disseminate results of the projects
  - provide teaching material efficiently

Dissemination of the results (O7)

- An interactive and dynamic website
    - https://dibt.unimol.it/HEI-PLADI/home/
- Repository of the project work produced by students
- Students could be involved in the maintenance of the website
    - Students could acquire basic knowledge to build a very simple website

E-learning (O1)

- The first intellectual output of HEI-PLADI is a transversal output
  - It supports almost all the other intellectual outputs
- As reported in the proposal…
  - "The first intellectual output of the projects is represented by an unique set of learning objects, i.e., modular resources, generally digital and web-based, that can be used and (more important) re-used to support learning activities."

Learning objects

- Learning resources about a specific topic
- They can be browsed like web pages or slides
- Different from classical learning resources like:
  - Books
  - Slides
  - Notes
- Examples:
  - A presentation
  - A sequence of questions
  - Multimedia contents

Why learning objects

- Because learning objects are:
  - Small units
  - Self-contained
- And thus…they can be re-usable and aggregated in different way

How to manage learning objects

- They will be used in an e-learning platform

- e-Learning: Learning Management Systems
  - Students management
  - Events management
  - Assessing and resulting
  - Course content delivery
  - Skills management
  - And many others

- The platform is the place where the stakeholders virtually interact

The lifecycle of learning objects

- Learning objects will be…
  - Created by the UNIMOL team
  - Validated by the "owner" of the LOs
  - Stored in the e-learning platform
  - Used by students during the projects
- And after the projects?
  - The e-learning platform can survive also after the project
- To increase visibility of learning objects
  - We can upload them in public LO repositories

Agenda

- First part (Rocco)
  - Description of intellectual outputs that require ICT
  - First proposal of output implementation

- Second part (Simone)
  - A taste of how ICT can be used in HEI-PLADI
  - Live demo of proposed solutions

Learning objects elements

- Simple elements
  - Just textual content
- Multimedial elements
  - Images
  - Videos
  - Audios
- Interactive elements
  - Questions
  - Exercises

How to create learning objects?

How to create learning objects?

We will!

How to create learning objects?

We will need...

- The design of the learning object
  - What is the sequence of elements, and what are the elements
- The content of the learning object
  - Textual elements
  - Multimedial elements
  - Questions/answers

Demo

- Learning objects
  - Simple elements
  - Multimedial elements
  - Interactive elements
- How to create a course in Moodle
- How to import a learning object in a course in Moodle