



IE3_10th Virtual Meeting
06.05.2021



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Participants:

- POLIBA, represented by Giovanni Mummolo, Giorgio Mossa and Francesco Facchini
- PUT, represented by Marek Fertsch, Agnieszka Stachowiak and Joanna Oleskow-Szlapka
- LIU, represented by Janerik Lundquist, Ingrid Helstad, Mathias Henningsson and Stefan Engevall
- UPM, represented by Joaquin Ordieres and Miguel Angel Ortega Mier
- VALUEDO, represented by Alessandro Guadagni
- INFOTECH, represented by Gianluigi De Pascale
- IMPLEMA, represented by Eskil Rehme
- ARRUTI, represented by Carlos Uruena

Agenda:

- WP3: updates on the revision process of the training courses - LiU
- WP4: planning the first activities – UPM
- Updates on the Interim Report preparation

WP3: updates on the revision process of the training courses

Lundquist (LiU) asks the partner to provide updates on the revision process of the training courses in their countries.

- Henningsson (LiU). LiU has revised two courses. The first one, Design and Development of Manufacturing Operations, is already finished. They included short videos on ERP and hosted lectures given by Implema on SAP and how to use it for managing an industrial real case. The second one, Production System Planning and Management, is running now. At the beginning of next week, Rehme (Implema) will give training on AI and ML for decision-making. A third course that was supposed to be revised within the project purposes was postpone to the following year (2022). Lundquist (LiU) will update the partners about this.
- Mossa (PoliBa). PoliBa is currently delivering the revised course. Yesterday they had the first part of one serious game, the second part will be delivered next week. A second serious game is planned for the last week of the course. Bosch will deliver in total 3 online workshops. PoliBa also decided to include an interim assessment for checking the feedback of the students on the new course.
- Stachowiak (PUT). PUT will deliver the two courses they revised (Supply Chain Management and Traditional and Contemporary Manufacturing Systems) in the first semester of the next academic year. The courses will be in English. They are working on practical activities and case studies with the support of ALCO-MOT.
- Ordieres (UPM). UPM is working on the complete revamping of the “Advanced Project Management” course. It is expected to be done by the end of June 2021 and it will be delivered in Sept-Dec 2021 as reported. Currently they are experiencing some delays according to the original plan but they do expect to cope with it and to finish in time.

Lundquist (LiU) is expecting no delays in the execution of the expected tasks. He reminds the partner that for reporting purposes the partners agreed to deliver the following documents:

- A detailed curriculum for the revised course module must be presented to the students and the WP3 management at least 6 weeks before the course module will commence

- A list of textbooks and course materials to be used in the revised module must be presented to the students and the WP3 management at least 3 weeks before the course module will commence
- A piece of very detailed course information with all details, schedule, the content of each lecture, seminar, lab etc. must be presented to the students and the WP3 management at least 1 week before the revised course module will commence

The partners must deliver all the available documents. According to the current status of the activity, LiU should deliver one final report (for one course) and one-half report (for the other still ongoing). Also PoliBa should share the information on the ongoing course.

The mentioned partners (PoliBa and LiU) should deliver the documents by 21.05.2021.

These materials will be included in the Interim Report.

WP4: planning the first activities

Ordieres (UPM) presents an update on WP4 activities. The full presentation can be found [here](#).

The partners have already agreed to anticipate the starting date of WP4, from July 2021 to May 2021. The first project results (R4.1) consist of the creation of a memorandum on technical criteria for the development of e-learning modules and requirements of the technical. Also, a common live-testbed for implementation will be provided with access rights to the partners according to their profile. By the end of July, the documents should be ready for the partners to revise them.

Ordieres (UPM) asks the partners ideas referring to the above-mentioned questions:

1. To define a common environment to implement learning modules. Is it valid for you to adopt Moodle as LMS?
 - PUT: Moodle is ok
 - LiU: Moodle is ok
 - UPM: Moodle is ok, the test-bed will be based on Moodle even if external to UPM and specific for the IE3 project
 - PoliBa: will organize a separate call with UPM on this topic
2. Are you willing to use gamification tools? Which of them are you envisaging? Do they need to be synchronous or asynchronous?
 - PUT: the gamification should be asynchronous, as this will give us more flexibility
 - UPM: gamification will be certainly included in the training materials
3. Is there any specific technological tool or protocol you'd like to suggest?
 - UPM: will use SCORM (Shareable Content Object Reference Model to exchange modules with others)
 - PoliBa: is using the Moodle quiz tool for assessment and would like to have this

All the partners are kindly invited to adopt the testbed environment that will be prepared by UPM. In case the partners might have specific needs, they should inform Ordieres immediately.

Ordieres invites the partners to start thinking about how to integrate some parts of the modules they are developing now for synchronous learning within the e-learning materials to be developed in WP4.

Referring to the R4.2 E-learning Pedagogical Strategy, Ordieres will use some of the findings included in the BoK for preparing this document. All the partners should contribute to it.

He also shows the approach he would like to use for UPM, which includes:

- c.1) Microlearning for concepts (for Z generation).
- c.2) Network between concepts (to integrate complex concepts).
- c.3) Networked Concepts linked to competencies.
- c.4) Consistent methodology (regular approach). From competences to concepts
- c.5) Competence oriented => Assessment

In a summary, the proposal from the UPM is to adopt

- Competence-based approach
- Microlearning driven (including polls for concept and relationships)
- Either physical or virtual F2F sessions to emphasize the practical dimensions (tool, real cases, etc.)
- Practical Assessment for competence validation

By September 2021, the list of elements of the module (at the scale of two hours effort) will be distributed among partners.

By November 2021 expressions of interest will be exchanged (with UPM in cc).

When the first two results would be available (expected in Jun 2021) Ordieres will share them, as well as the login and password for accessing the testbed Moodle environment.

Also, Ordieres will share a document presenting all the information and tasks he asks the partner. This document will be ready by the end of May 2021.

All the partners agree with the proposed plan.

Updates on the Interim Report preparation

Alessandro (ValueDo) informs the partners that the preparation of the Interim Report is going on. He reminds the partner to submit the last financial report and be prompt in providing all the needed information for completing also the summative financial statement that will be shared by ValueDo in the next few days.