

Report Form KA2 – Strategic Partnerships: 2021-1-IE02-KA220-HED-000031189

Work Package Details:

Work Package Number and Title	IO1
Lead Partner	UIB
Date:	13-04-2022
Report Type	Final
Interim Report Section	IO1 / task 1.1
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Executive Summary of Report

In this report, you will find a summary of the execution of task 1.1 described in IO1 of the THETA project. Which consists of: “Evaluation of the state of the art of XR, adaptation to education and particularly to Hospitality education and industry”. Additionally, you will find a brief description of the deliverables, their proper reading and their importance in the process, allowing the objective of task 1.1 to be considered as achieved.

As a result of the execution of this task and the feedback of those involved, there is a list of applicable technologies that can be used or adapted to the different objectives of the project. Within the deliverables you will find a presentation, which uses a metaphor, to describe, exemplify and facilitate the understanding of the identification process of these technologies. You will also find a list of technologies in Excel format with a qualitative rating of their characteristics and a brief description of them. Highlighting the possible use of those marked in orange.

The execution of this task was carried out taking into account the guidelines contained in the THETA project. To guarantee the participation of all the partners, different meetings were held and the modification and inclusion of technologies were enabled for all the project participants to the Excel deliverable, through the Microsoft Teams platform.

Several factors/criteria to recommend technologies were considered besides openness, quality, accessibility and scalability that were proposed in the project application. Thus, versatility, portability, learning time, student screening and content management.

Project Summary

PROGRAMME OF WORK CARRIED OUT

It was proposed for the execution of the task (1.1 Evaluation of the state of the art of XR, adaptation to education and particularly to Hospitality education and industry.) to break it down into subtasks to further detail the process and quantify progress. Resulting in the creation of subtasks 1.1.1 Search Tech. 1.1.2 Identify features. 1.1.3 Debug and Analyse. And 1.1.4 Recommendation. The execution of these subtasks allowed us to reach a list of technologies with characteristics applicable to the different scopes of this project. This list of technologies was structured in a deliverable in an Excel sheet. Additionally, this process was recorded and used to create a presentation. Each deliverable is described in more detail below.

Presentation (PPT):

As described above, a metaphor was used to facilitate the understanding of the process, drawing on the reader's imagination and the use of a common activity. This metaphor is described on slide number 2 and describes 4 sections, which refer to the subtasks. In the presentation, we consign a summary of the first search process which is found on slide 3. As a result, we obtain a set of technologies that present a possible solution and/or incorporation into the project.

On the following slides, you will find a set of graphs, which use the rating of two characteristics to catalogue and organise the technologies. As we are at an early stage of the project, it is important to emphasise the versatility of the objectives of the project. This feature will be constant on the x-axis for all graphs.

You will also find a small visualisation of the highlighted technologies and finally a highlight of the recommended technologies or those that present a high level of affinity to the objectives of the project. This part will refer to the Excel list, described below.

Technologies List (Excel):

For the understanding of this section, a description of the colours used and their meaning in the list of technologies is made.

Blue: informational technology features.

Red: characteristics of the technology of an evaluative nature.

Yellow: recommended or suggested technologies.

This list includes a series of technologies, which were slightly tested to qualitatively qualify their application in the project. The technologies marked in yellow are the recommended technologies. Clarifying that some of them already incorporate other unmarked technologies.

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OUTCOMES ATTAINED

Upon completion of task 1.1 of WP1 (Evaluation of the state of the art of XR, adaptation to education and particularly to Hospitality education and industry.). As a result, identification of technologies with characteristics and/or functionalities coupled or necessary for the fulfilment of the project's objectives has been obtained. Which can be consulted through the deliverables; one Excel with a list of technologies with characteristics and evaluation regarding the project and one Presentation with Procedure, Result and Graphs.

In these deliverables, we obtain an organised set of technologies, which through a mapping of characteristics it is possible to visualise their behaviour and grouping. These same characteristics helped us to measure the technologies that could best adapt to the needs and objectives of the project. Resulting in a descriptive list of technologies, which using a coloured marker highlights those recommended for use in future tasks. The recommendation is carried out given the qualitative results of its characteristics. This identification stands out for the initial stage of the project, where solutions easily adaptable to requirements contemplated in the next stages must be contemplated.

Additionally, a series of graphics included in the PPT file is made, one of them is a graphic distribution using the time required by an expert user or a new user in using the technology. This is to view and couple possible execution results limited by the time of the project to future tasks.

Finally, the subtask breakdown model is adopted and extended to the tasks included in IO1.

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Members of the group

Members' details

Name	Institution
Carlos Juiz García	UIB
Belén Bermejo González	UIB
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Total number of members of the group	3
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