

ERASMUS+ project “**Transformative Digital Pedagogies for Higher Education**”
contract Nr. 2022-1-LV01-KA220-HED-000085277

WP5 Mid Term report
Period 01.09.2022 – 31.01.2023

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1. Introduction

WP5 is tasked with setting up the technical infrastructure for the implementation and sustainability of the TDP4HE project. This includes the development and maintenance of key resources for learning, communication and shared experience, and support for academic staff in implementing transformative digital pedagogies in their teaching practices.

The activities and achievements of WP5 result from close collaboration between UTT and UPCT and are ongoing at this intermediate stage of the project.

At the outset, UTT and UPCT designed a framework of the technical infrastructure of the Project. This was presented to partners and validated :

[https://drive.google.com/file/d/1ClhHvjPWCvw26QUlKIUBtt2HmEmaj5-0/view?usp=drive link](https://drive.google.com/file/d/1ClhHvjPWCvw26QUlKIUBtt2HmEmaj5-0/view?usp=drive_link)

WP5 technical tasks

WP5.1. Project website development: led by UTT

WP5.2. Virtual platform for the training programme: led by UPCT

WP5.3. Development of the TDP4HE open community of practice platform: led by UTT

WP5.4. Maintaining and updating the technical infrastructure: led by both UTT and UPCT.

2. WP5 Key Performance Indicators of WP5 at term.

Table 1. below shows quantitative and qualitative Key Performance Indicators for WP5 (application document page 53 for description of actions, and p50 and 54 for indicators. These are seen as long-term objectives towards which the partners are working. It is too early at this mid-term stage of the project to report on the quantitative KPI's. Compliance with the work plan (Point 3 of the qualitative results) is being adhered to with some minor deviations listed in table 2.

Table 1.

Quantitative	
KPIs	Description of expected result
(1) Number of unique visitors to the project website	At least 100 considering the number of teaching academic staff employed at the newly funded EUT+ (https://www.univ-tech.eu/), composed by eight universities with more than 4000 academic staff members.
(2) Number of hits at the self-assessment framework e-Tool on transformative digital pedagogies (linked to WP2).	At least 60
(3) Number of views of the Webinars uploaded in the project's LMS and in the Open Community of Practice (linked to WP3).	At least 60
(4) Number of visits to project's the TDP4HE Open Community of Practice.	At least 100 considering the number of teaching academic staff employed at EUT+.
(5) Number of academic teaching staff actively involved in the virtual space of OER and OEP users through the TDP4HE Open Community of Practice (linked to WP4).	At least 60
(6) Percentage of academic teaching staff satisfied with the interface of the TDP4HE Open Community of Practice (WP5):	Above 70%
Qualitative	
KPIs/ Description of expected result	
(1) Positive feedback from academic teaching staff actively involved in the TDP4HE Open Community of Practice (WP5).	
(2) Participants' socially responsive and willing to contribute to the development of the TDP4HE Open Community of Practice.	
(3) Compliance with work plan in the technical activities: respect of results standard provided within the proposal.	

WP5 Mid-term results

Table 2 shows the activities and achievements to date with any deviations noted.

Table 2. WP5 Mid-term report		
Objectives of the proposal. Expected results per activity (from proposal)	Achievements & sources of information. Indicators and Deviations.	Further work
<p>WP 5.1 Project website developed.</p> <p>Expected results: A working website including all contents and features identified. Information on the website and on the activities carried out within the TPD4HE project to be disseminated within partner universities, associate partners and any stakeholder, and concluded by visits of the website and registration for the different activities.</p>	<p>Achievements: The Transformative Digital Pedagogies for Higher Education website is available online for public access. The structure is established to provide information about the project, partners, project goals, news and events, and information about the different benefits offered by the project.</p> <p>Sources of information: https://transformative-pedagogies.univ-tech.eu/</p> <p>Indicators (from proposal):</p> <ul style="list-style-type: none"> • At least 100 of unique visitors to the project website <p>Deviations: The results to be uploaded will not be available until the second half of the project. For this reason, quantitative indicator does not apply at this interim stage. Therefore, there are no deviations, but links and contents should be uploaded by all partners as project progresses.</p>	<p>Further work</p> <p>(1) Links to the platforms for the self-assessment etool, training programme, etoolkit to be included as they are developed and ready for public use.</p> <p>(2) News items, events and papers are/will be published on an ongoing basis contributing to fulfilling the project communication and dissemination plan objectives.</p>
<p>WP 5.2. Setting up the virtual platform for the training programme.</p> <p>Expected results: The virtual platform (LMS: Moodle) for the training programme (WP3). This platform will host all the resources pertaining to the implementation of the training programme (material,</p>	<p>Achievements: The platform is already operative and ready for use. It consists of two separate but interoperable components:</p> <ul style="list-style-type: none"> • The Moodle platform, intended to upload contents, training material, video, assessment tasks, interactive forums and all the elements that training program creator consider suitable. For this there will be two types of registered users: the trainers and the trainees. This platform will be hosted by UPCT that also will be responsible for users' management. • The Indie platform, developed by UPCT and extended in A5.2. This platform is intended to: <ul style="list-style-type: none"> 1) Host the OER/OEP developed by teaching academic staff, including self-assessment tool. Every OER/OEP develop in other platform can be integrated in Indie, as long as they accomplish with the standard. 	<p>Further work</p> <p>(1) Register and manage users in Moodle.</p> <p>(2) Upload resources in Moodle and Indie as they are available.</p> <p>(3) Train users and support them both to import and export OERs using Indie, and to incorporate CC licenses into their OER/OEP.</p> <p>(4) As project progresses get feedback from them and improve the platform (qualitative indicator).</p>

<p>interactive activities, videos, etc.).</p>	<p>2) Act as an authoring tool, that can be used for trainers to create OERs and OEPs. Every OER/OEP developed with Indie can be exported as SCORM or as Web Object to be used in any other e-learning platform or web server.</p> <p>Indie also learning analytics ant it's interoperable with Moodle. Any content included in Indie can be made accessible directly or via Moodle. Indie does not require users to register, and any training resource hosted in Indie can be made freely accessible. It is possible to decide what material is only accessible by registered users via Moodle or by the general public (directly via Indie).</p> <p>Other important features (added to Indie in this activity):</p> <ol style="list-style-type: none"> 1) The e-Self assessment tool can be made accessible both via Moodle and via Indie. 2) Indie allows author to manually incorporate a Creative Commons (CC) license into their OER by adding the CC image and the official link. For instance, the author may place the selected CC license at the end of a PowerPoint or Word document. 3) Bank of widgets (interactive activities). 4) Possibility of Integration of question bank into the content units through the authoring tool. 5) Integration of learning analytics. <p>Sources of information: Access to the authoring tool and OER repository: https://indieopen.upct.es/ Authoring tool demo: https://indie4allsquare.upct.es/</p> <p>Indicators (from proposal):</p> <ul style="list-style-type: none"> • At least 60 hits at the self-assessment framework e-Tool (linked to WP2). • At least 60 of views of the Webinars uploaded in the project's LMS and in the Open Community of Practice (linked to WP3). <p>Deviations: The OER/OEP and training programs to be uploaded will not be available until the second half of the project. For this reason, quantitative indicator does not apply at this interim stage.</p> <p>Therefore, there are no deviations, but links and contents should be uploaded by partners as project progresses.</p>	
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<p>WP 5.3: User support workshops for the training programme facilitators.</p> <p>Expected results. Recorded videos of the live sessions of the workshops (W1 and W2). This will allow the training programme facilitators to watch the video any time and at their own pace. In this way the training programme will be able to create, manage, and publish digital contents.</p>	<p>Achievements: According to project plan this activity has to be performed during February and March 2024. The workshops are already designed and ready to be carried out. There are already some recordings available (not live sessions yet).</p> <p>Sources of information: Recordings already available: https://opencontent.upct.es/51ce9731d8874a6289233dbb118701bc/ad02b97dd9434973911f4016d1afa63c/</p> <p>Indicators (from proposal):</p> <ul style="list-style-type: none"> At least 60 of views of the Webinars uploaded in the project's LMS and in the Open Community of Practice (linked to WP3). <p>Deviations: The quantitative indicator does not apply at this interim stage. Therefore, there are no deviations, but links and contents should be uploaded by partners as project progresses.</p>	<p>Further work (1) Carry out the live sessions planned. (2) Made these available.</p> <p>In addition, the UPCT will periodically carry out more online training sessions and will provide support to users who request it according to their possibilities and resources.</p>
<p>WP 5.4: Setting up software management tools to support TDP4HE open community of practice platform.</p> <p>Expected results. The TDP4HE open community of practice platform which will allow academic teaching staff to develop their competences in transformative digital pedagogies by accessing all the resources developed in the project (WP2, WP3, WP4) and by</p>	<p>Achievements: Specification for the Community of Practice platform framework defined. Framework and proposed platform presented and validated by project partners.</p> <p>Sources of information: https://drive.google.com/file/d/1Ayj2XuwdiYkycHHimVSdhjkUtaG7K65Y/view?usp=drive_link</p> <p>Deviations: The platform chosen to host the TDP4HE Community of Practice (Whaller) is being reorganised delaying the creation of the sphere for the Project.</p>	<p>Further work (1) Sub-spheres and links to the different resources being developed in WP2, WP3, WP4 to be incorporated when the platform is available. (2) Assignment of roles of moderators of the discussion forums to be shared between partners. (3) Uploading of content being developed.</p>

<p>interacting with peers from different disciplines in a virtual space of OER and OEP users (WP4)</p>		
<p>WP 5.5: Maintaining and updating the technical infrastructure.</p> <p>Expected results: Maintaining and updating the technical infrastructure: Ensure good functioning of the platforms and user support.</p>	<p>Achievements: The activities performed so far correspond mostly to WP5.2 (setting up), but there are some maintenance activities that must be performed in a regular basis, such as:</p> <ul style="list-style-type: none"> • INDle is based on a distributed microservices architecture that uses different frameworks such as Spring Boot or Bootstrap that needs to be updated. • The architecture is published in cloud computing, specifically in Microsoft's Azure. An important task is the management and control of resources deployed in cloud computing. Docker containers, firewall, setting security rules are examples. • Provide solutions to problems that appear when using the platform. Platform version control reflects the evolution of the platform. Currently on version 5.1.0 • Website – preserve the domain, maintenance of server, surveillance of security risks. Assure compliance with RGDP European regulations – RGDP officer (UTT). • Maintain contract, member access to the Whaller platform hosting the TDP4HE Community of practice. Report and resolve technical issues. Maintain security. <p>Deviations: No deviations.</p>	<p>Further work On going work which will continue beyond the project duration.</p> <p>It is expected that the workload of this activity increases as the project progresses. .</p>



Annexes

Annex 1. Presentation of WP5 – Technical framework