



WP5-A10. External expert Report of WP5 results.



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Transilvania
University
of Brasov





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1. INTRODUCTION

This document presents the outcomes of activity WP5-A10, titled “*External Expert Report on WP5 Results*”, which is part of Work Package 5 (WP5) of the *RockChain* project. WP5 was dedicated to the consolidation, publication, and implementation of the *RockChain* Open Educational Resource (OER), with the aim of ensuring that the project’s outputs are accessible, user-friendly, and ready for adoption by trainers, learners, and industry stakeholders across all partner countries.

DNV enlisted the help of an expert from a German natural stone company to evaluate the contents of WP5. The review focused on whether the WP5 outputs are coherent, professionally structured, and practically deployable in real training contexts—particularly in adult education and work-based learning settings, where user profiles, digital readiness, and time availability can vary widely. The report summarised the findings of an independent pedagogical and implementation-focused evaluation.

Feedback was collected through a structured questionnaire, designed to validate the overall quality, identify any gaps or barriers to adoption, and suggest practical improvements to enhance accessibility, transferability, and the long-term sustainability of the *RockChain* OER.

2. EVALUATION QUESTIONNAIRE

The questionnaire used for the external review of WP5 was the following:

RockChain. Evaluation of WP5: RockChain Open Educational Resource (OER).

**TRANSVERSAL TECHNOLOGICAL SKILLS FOR THE ORNAMENTAL ROCK INDUSTRY
FOCUSING ON THE
APPLICABILITY OF BLOCKCHAIN IN A CIRCULAR ECONOMY**
REFERENCE: 2023-1-DE02-KA220-ADU-000166863

mcarlitos.146@gmail.com [Cambiar de cuenta](#) 

 No compartido

** Indica que la pregunta es obligatoria*



ROCKCHAIN



Organisation: *

- Deutscher Naturwerkstein-Verband e.V. (DNV)
- Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales (CTM)
- Universitatea Transilvania din Brasov (UNITbv)
- Klesarska skola (KSK)

1. Overall, how satisfied were you with the management and development of the
WP5 (Work Package 5): RockChain Open Educational Resource (OER)?

	1	2	3	4	5	
Not satisfied at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very satisfied

2. OER and web graphic design and project's corporate image. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The graphic design of the Open Educational Resources (OER) and the corporate image of the project was professional and coherent.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The visual identity of the project remained consistent throughout the materials created.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The website design was attractive and facilitated navigation for users.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. IT production of RockChain Open Educational Resource. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The computer production of the Open Educational Resources (OER) was carried out with high technical quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The content of the OER was developed using technological tools appropriate for the project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The digital educational materials were accessible and easy to use.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The production complied with the deadlines and standards established in the project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Pilot RockChain Course implementation for entrepreneurs and professionals over 45 years old in the ornamental rock industry. Please rate the following aspects.

Fully disagree Rather disagree Neither agree nor disagree Rather agree Fully agree

The implementation of the course was successful and achieved the objectives set.

The methodology used in the pilot course in Athens was effective and adapted to local needs.

The participants of the pilot course provided positive feedback on the content.

The pilot course helped to identify possible areas for improvement in the training materials.

5. Pilot RockChain Course implementation for VET teachers or in continuous training courses over 45 years old. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The implementation of the course was successful and achieved the objectives set.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The methodology used in the pilot course in Athens was effective and adapted to local needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The participants of the pilot course provided positive feedback on the content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pilot course helped to identify possible areas for improvement in the training materials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Pilot RockChain Course implementation for adults over 45 years old from VET students or continuous training courses related to ornamental rock industry. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The implementation of the course was successful and achieved the objectives set.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The methodology used in the pilot course in Athens was effective and adapted to local needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The participants of the pilot course provided positive feedback on the content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pilot course helped to identify possible areas for improvement in the training materials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Pilot RockChain Course implementation for adults over 45 years old of HE students and teachers related to mining. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The implementation of the course was successful and achieved the objectives set.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The methodology used in the pilot course in Athens was effective and adapted to local needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The participants of the pilot course provided positive feedback on the content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pilot course helped to identify possible areas for improvement in the training materials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. Environment test and technical improvements. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The environment testing of the pilot courses was comprehensive.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pilot courses function effectively and reflect the project objectives.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The results of testing and improvements were useful for enhancing the learning experience at the European level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. Translations of the OER in all partners' languages. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The quality of the translations facilitated the understanding of the results in all participating countries.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
All translations were done in a timely manner and within the established deadlines.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The translation of the results contributed to better communication between the project partners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. Final International Seminar in Würzburg (Germany). Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The Final International Seminar in Würzburg was organised effectively.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The topics addressed at the seminar were relevant and aligned with the project objectives.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The organisation and logistics of the seminar were adequate to encourage participation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. External expert report of WP5 Results. Please rate the following aspects.

	Fully disagree	Rather disagree	Neither agree nor disagree	Rather agree	Fully agree
The external expert's report on the results of WP5 provided an objective and detailed assessment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The recommendations of the external expert were clear and applicable for the improvement of the project.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The report highlighted strengths and areas for improvement in the results obtained in WP5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The external evaluation was useful to validate the quality and effectiveness of the WP5 results.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



12. Remarks. Please add any comments you consider appropriate about the tasks developed in this WP3.

Tu respuesta

13. Please, tell us what kind of improvement you can suggest for the WP3:

Tu respuesta



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Enviar

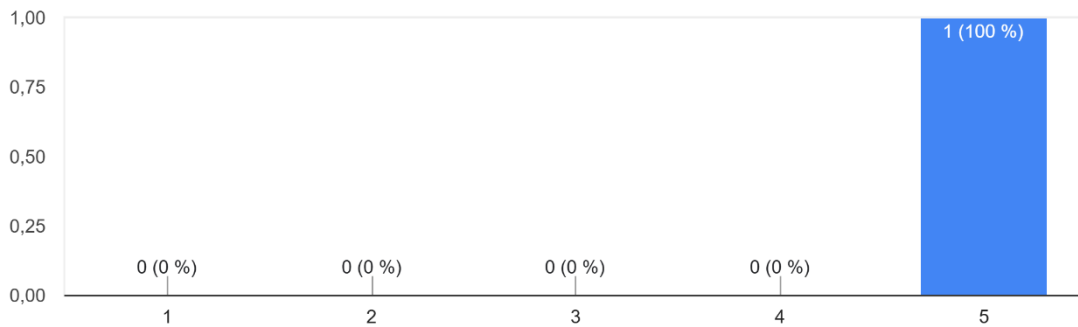
[Borrar formulario](#)

3. RESPONSE

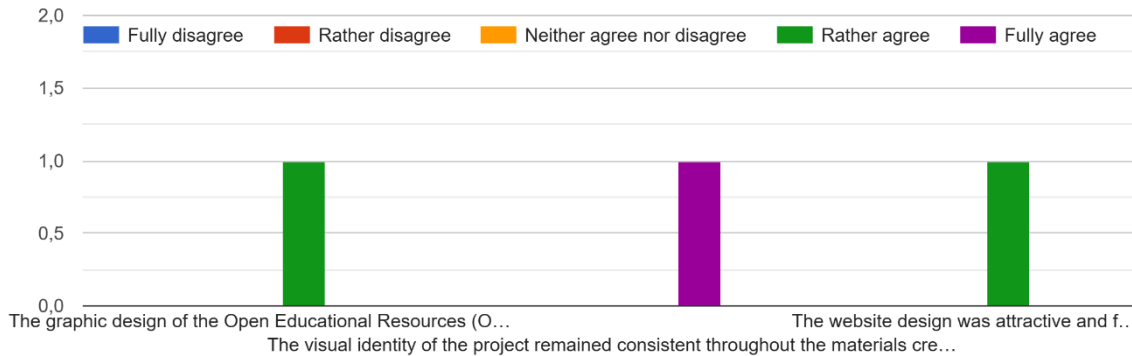
The responses of the survey for WP5 are presented below (print screens of the written replies and graphical representation of the ratings):

1. Overall, how satisfied were you with the management and development of the WP5 (Work Package 5): RockChain Open Educational Resource (OER)?

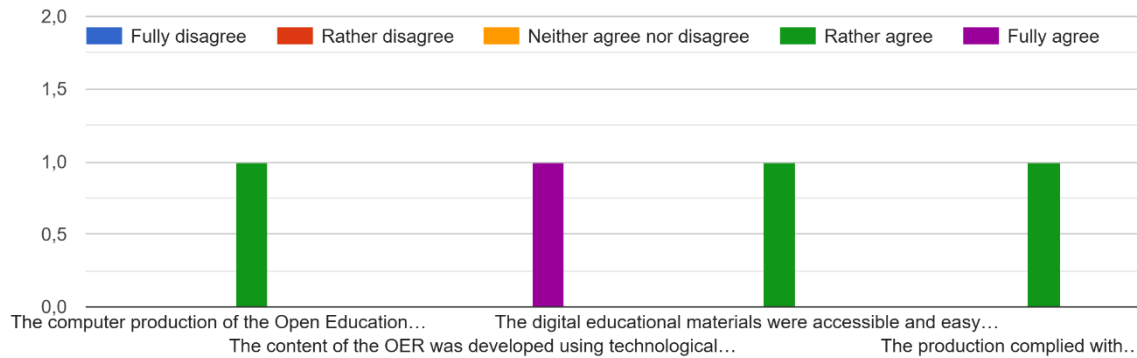
1 respuesta



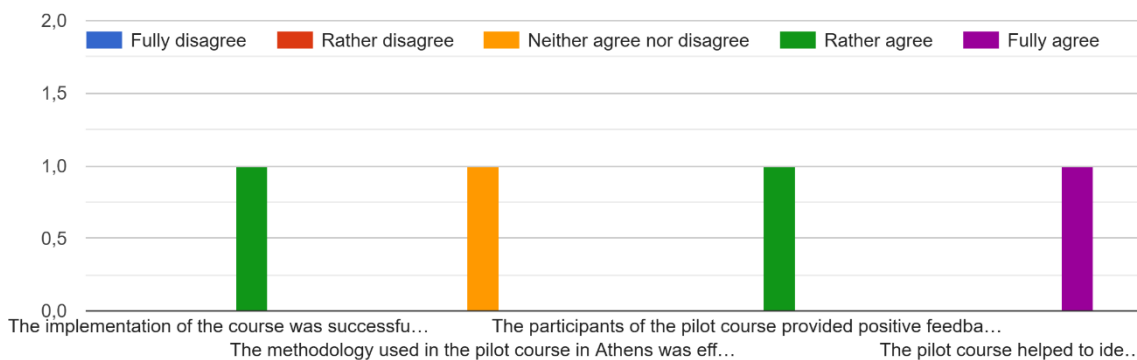
2. OER and web graphic design and project's corporate image. Please rate the following aspects.



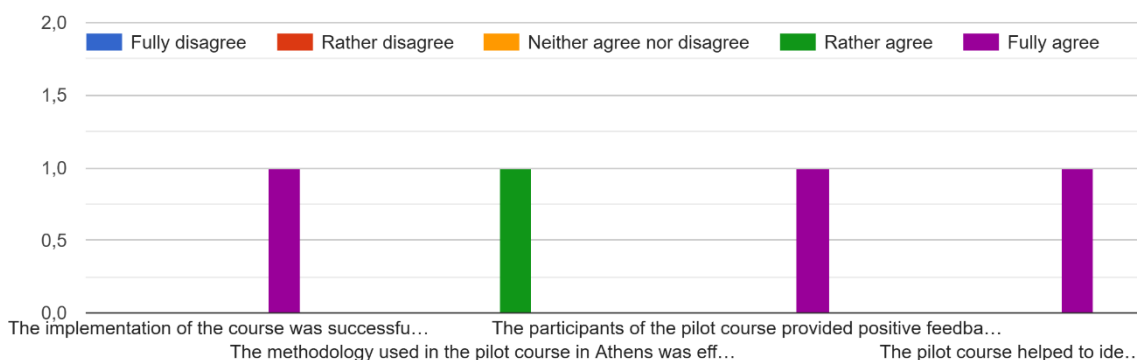
3. IT production of RockChain Open Educational Resource. Please rate the following aspects.



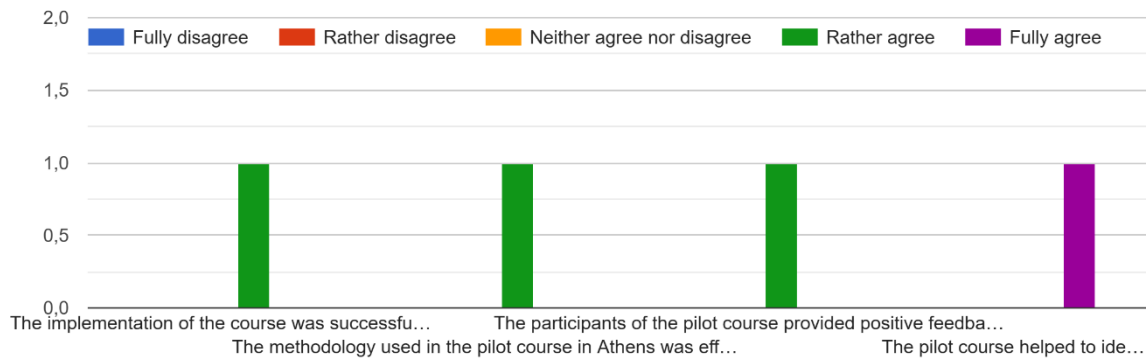
4. Pilot RockChain Course implementation for entrepreneurs and professionals over 45 years old in the ornamental rock industry. Please rate the following aspects.



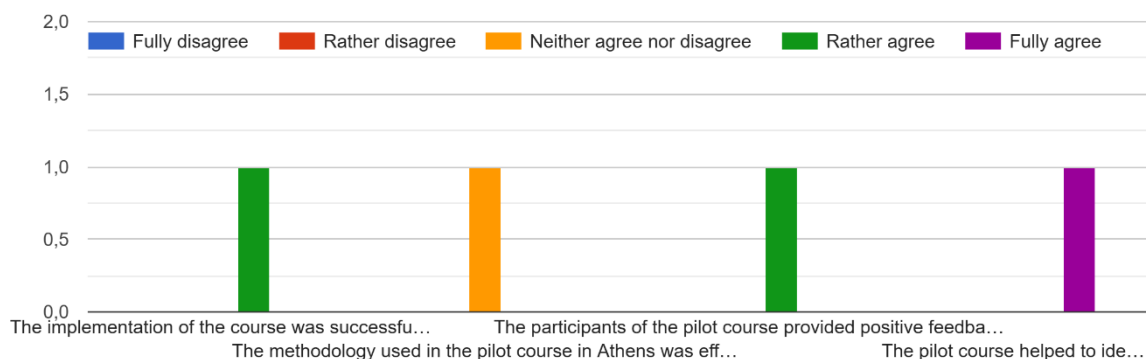
5. Pilot RockChain Course implementation for VET teachers or in continuous training courses over 45 years old. Please rate the following aspects.



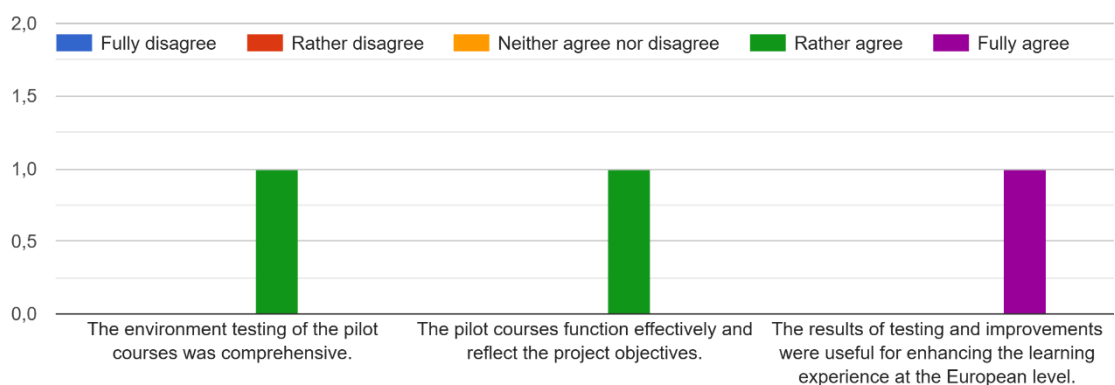
6. Pilot RockChain Course implementation for adults over 45 years old from VET students or continuous training courses related to ornamental rock industry. Please rate the following aspects.



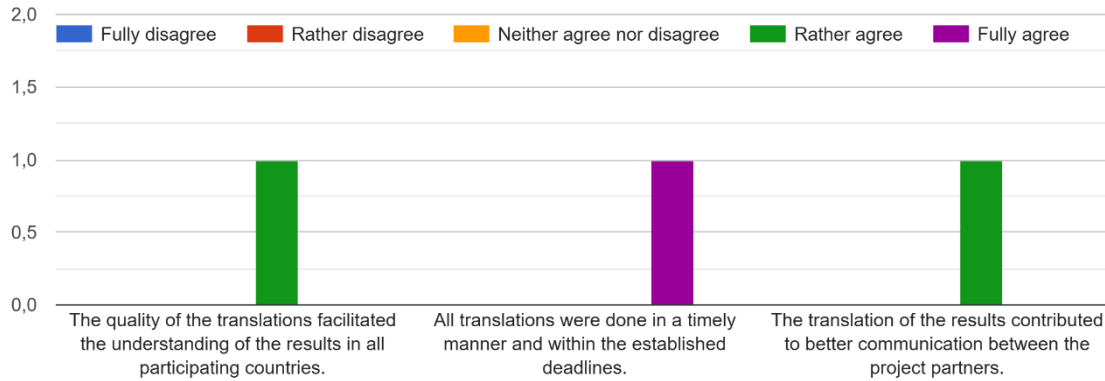
7. Pilot RockChain Course implementation for adults over 45 years old of HE students and teachers related to mining. Please rate the following aspects.



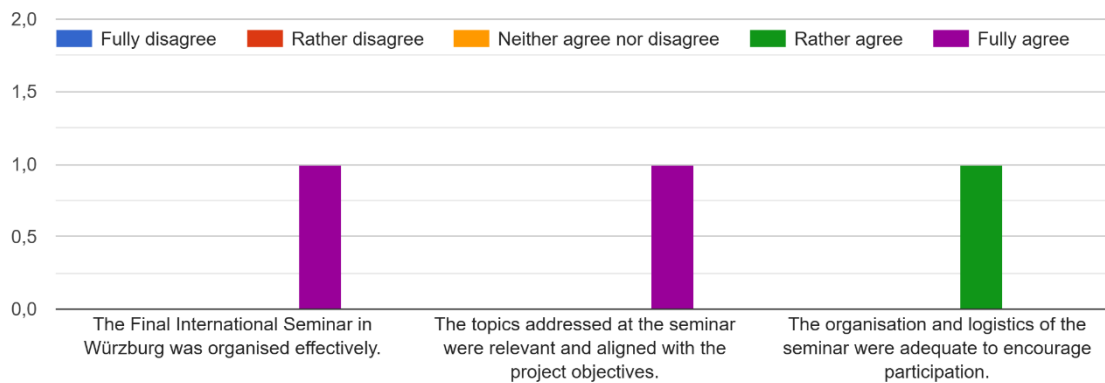
8. Environment test and technical improvements. Please rate the following aspects.



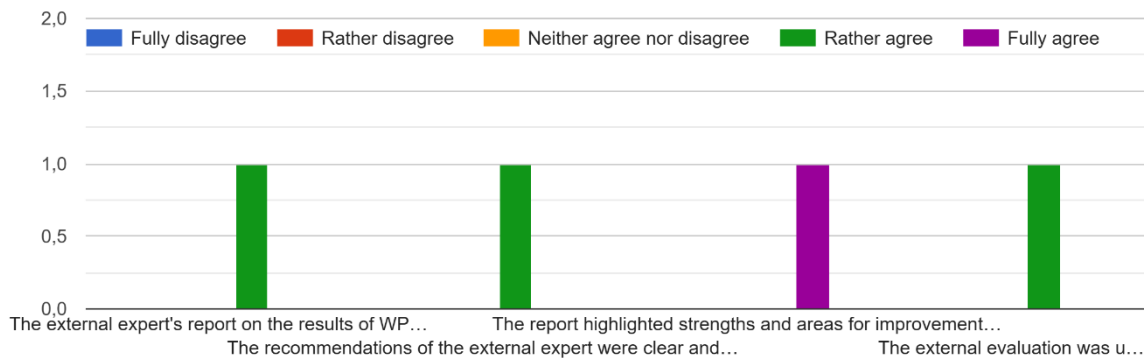
9. Translations of the OER in all partners' languages. Please rate the following aspects.



10. Final International Seminar in Würzburg (Germany). Please rate the following aspects.



11. External expert report of WP5 Results. Please rate the following aspects.



12. Remarks. Please add any comments you consider appropriate about the tasks developed in this WP3.

1 respuesta

WP5 delivers a solid and coherent dissemination and learning ecosystem (website + OER repository + course environment + pilots + final seminar). The strongest point is the combination of structured content with an applied/gamified tool, which helps translate abstract concepts (blockchain/traceability) into practice-oriented learning.

Main limitations are not about "quality of content", but about adoption: onboarding for new users, accessibility for low digital-skill adult learners, and clarity on how trainers should deploy the materials in short sessions. Some questionnaire items appear to contain template inconsistencies (e.g., "Athens", WP3 references), which should be corrected to avoid confusion and to strengthen evidence quality.

13. Please, tell us what kind of improvement you can suggest for the WP3:

1 respuesta

Add a "Start here" guided entry point with recommended learning paths by profile (worker/technician/trainer/manager).

Strengthen accessibility (WCAG-oriented checks, clearer typography hierarchy, mobile-first usability, downloadable quick guides).

Provide trainer-ready assets: session plans (2h/4h/8h), assessment rubrics, and "classroom scripts" for the app exercise.

Improve translation consistency through a shared glossary and cross-review process.

Include analytics/monitoring (basic KPIs of OER usage, course access, completion proxies) to evidence uptake and sustainability.

4. CONCLUSIONS

The external evaluation gives an overall satisfaction score of 4 out of 5, suggesting that WP5 delivers a coherent and fairly mature public-facing layer of the RockChain project. The work package is seen as successfully consolidating a clear visual identity, a functional web presence, an accessible OER environment, and a validated implementation process through pilot courses and dissemination activities. Overall, WP5 is considered solid enough to support training delivery and stakeholder engagement across partner countries.

Among the most valued aspects are the professional and consistent corporate image, which makes it easier to engage with companies, VET providers, and sector organisations; the technical structure of the OER environment, which allows for easy access to materials and supports both facilitated sessions and guided self-study; the pilot logic involving different target groups (industry professionals, VET teachers and students, and HE learners), which strengthens relevance and confirms the tool's feasibility in real training contexts; and the timely delivery of multilingual versions, along with the added value of the international seminar in Germany, which helped align implementation efforts and reinforce dissemination.

That said, the evaluation also points out a few practical risks that could affect adoption if not addressed. The main issue relates to onboarding: new users—especially adults with low digital confidence—need clearer entry points, more structured guidance, and simpler language to reduce the cognitive load when first encountering blockchain-related concepts. Accessibility also needs to be reinforced, with checks on things like readability, visual hierarchy, mobile usability, and alternative formats for mixed-ability groups. Finally, the evaluation notes that the evidence of impact could be stronger by including basic usage indicators, clearer feedback templates, and better alignment between questionnaires and the WP5 scope to avoid confusion during reporting.

Priority recommendations included adding a entry point with suggested learning paths by user profile (worker, technician, trainer, manager), along with a short onboarding guide to ease access; improving accessibility through practical checks and downloadable quick guides for low-digital-skill learners; providing trainer-ready materials such as session plans, time variations, assessment rubrics, troubleshooting tips, and minimum tech setup guidance; improving cross-language consistency with a shared multilingual glossary and a simple QA step for translated terminology; and integrating light monitoring tools and reporting templates (usage stats, completion indicators, feedback summaries) to support evidence-based adoption and long-term sustainability.

About the implementation of recommendations, WP5 was improved:

- by structuring the website/OER/course environment as a guided entry pathway and reinforcing step-by-step navigation during pilots;



- accessibility for low digital-skill adults was supported through flexible access to materials in the OER plus facilitated delivery adaptations;
- trainer deployability was demonstrated through previous experiences (WP5-A3 to A6) of pilot formats (short sessions such as 2h/4h structures) and practical guidance for running the app exercise;
- translation consistency was improved through contextual review in multilingual delivery and;
- and monitoring/evidence quality was reinforced via systematic attendance lists, questionnaires and consolidated reporting, while template inconsistencies were corrected during final consolidation to avoid confusing references.

it is worth mentioning that in this WP5-A10 the external expert highlighted that the main barriers were already adoption-oriented (clear onboarding, accessibility for low digital-skill adults, and trainer guidance for short, deployable sessions), and the pilot participants' survey feedback strongly echoed those same needs—most notably asking for clearer step-by-step guidance, more hands-on time with the app, and smoother entry into the learning environment. WP5-A7 then used the consolidated evidence from the 79 pilot questionnaires to prioritise exactly these areas in the final refinement cycle of the OER/training package (improving the “how to start / how to run it” layer, strengthening trainer deployability, and reducing friction for first-time users), thereby directly linking user experience signals from the pilots to the improvement directions formalised in the external evaluation.