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WP6.3 Quality and Monitoring Report (M18)

July 2022

CONTENTS

1. INTRODUCTION	4
2. PROJECT PERFORMANCE	4
2.1 Project Evaluation	4
2.1.1 Analysis of scaled questions	5
2.1.2 Additional comments	10
2.1.3 Overall Conclusions	10
3. POST MEETINGS' EVALUATIONS	11
3.1 Online Meetings' Evaluation	11
3.1.1 Analysis of scaled questions	12
3.1.2 Additional comments	14
3.1.3 Overall Conclusions	15
3.2 Physical Meetings' Evaluation	16
3.2.1 Analysis of scaled questions	17
3.2.2 Additional comments	19
3.2.3 Overall Conclusions	20
4. POST- WORKSHOPS' EVALUATIONS	21
4.1 Workshops' Evaluation	21
4.1.1 Analysis of scaled questions	22
4.1.2 Additional comments	24
4.1.3 Overall Conclusions	25
5. POST- TRAINING EVALUATIONS	26
5.1 Training Evaluation	26
5.1.1 Analysis of scaled questions	27
5.1.2 Open ended questions	30
5.1.3 Overall Conclusions	31
6. DISSEMINATION EVENT EVALUATIONS	32
6.1 Dissemination Event Evaluation	32

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Disclaimer

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1. INTRODUCTION

Quality and Impact Evaluation Co-Leaders have approved the report that is uploaded in the Quality Section of the shared file space.

This report will accumulate, analyse and summarise the results from the quality evaluations done during the 3rd semester of the Eco-Car project (01/01/2022 to 30/06/2022).

The elements that were identified and evaluated during the first year of the project were:

- Project performance.
- Partnership Meetings.
- Workshops.
- Trainings.
- Dissemination Events.

2. PROJECT PERFORMANCE

The project evaluation among partners is performed at each half-year's end, except first year (M12, M18, M24, M30, M36). It aims to measure the efficiency of project management and the adequacy of the communication in the partnership, so as to reflect the views of the consortium on its progress, including any suggestions for changes and improvements.

In order to collect quantitative and qualitative data, each partner's project representative was asked to rate the project in a questionnaire made using an online digital survey tool that allowed respondents to remain anonymous. Finally, the assessment was done by analysing the responses from each partner to these questions.

If, after processing the results, the Quality Manager finds that one or more are below the expected performance, he notifies the Project Coordinator in order to set forth problem-solving procedures.

The delivery of the questionnaires and the collection of results of this internal evaluation was done using Google Forms. Elaboration of results was done using MS Excel.

2.1 Project Evaluation

The "*Project Evaluation*" survey contained the following parts:

- Part 1: Project Management.
- Part 2: Internal Communication.
- Part 3: External Communication.
- Part 4: Overall Project Progress.
- Personal info.

Parts 1 to 4 contained closed questions (5-point Likert scale), in which respondents had to give a grade between 1 and 5, with 5 being the highest (fully agree) and 1 the lowest (fully disagree). The possibility to provide comments at the end was provided.

At the end of the survey, respondents were asked regarding their personal data, for the purpose of ascertaining partner participation. Some of this information was optional for the participants in order to preserve their anonymity.

Partners were allowed to submit their answers during the period from July 8th, 2022 to July 13th, 2022. Therefore, the established deadlines for answering the survey have been met.

Out of 14 participants in the survey, 12 responses were received, coming from Quality Committee Members (85.71% participation in the survey). This is illustrated in Figure 1. The responses given by the participants are analysed below.

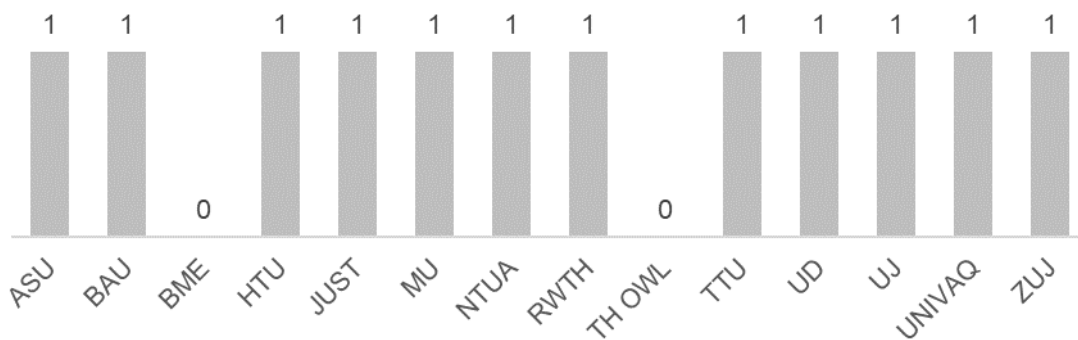


Figure 1. Number of surveys submitted (N=12).

2.1.1 Analysis of scaled questions

In Part 1, Quality Committee Members were asked to rate some questions characterizing the project management.

RESULTS (M18. Project Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
Project Management									
1	I know what the project aims to achieve	0	0	0	3	9	95%	100%	12
		0%	0%	0%	25%	75%			100%
2	The responsibilities for each partner are stated clearly	0	0	0	5	7	92%	100%	12
		0%	0%	0%	42%	58%			100%
3	I am aware what tasks my organisation has to do in the coming months	0	0	0	3	9	95%	100%	12
		0%	0%	0%	25%	75%			100%
4	Feedback from the lead partner is received when a query is raised from a partner	0	0	1	3	8	92%	100%	12
		0%	0%	8%	25%	67%			100%
5	Issues are resolved quickly and effectively	0	0	1	6	5	87%	100%	12
		0%	0%	8%	50%	42%			100%
6	We receive instructions about meetings well in advance	0	1	1	4	6	85%	92%	12
		0%	8%	8%	33%	50%			100%

Table 1. Analysis of responses on 1-5 scale for the Project Evaluation (“Project Management”).

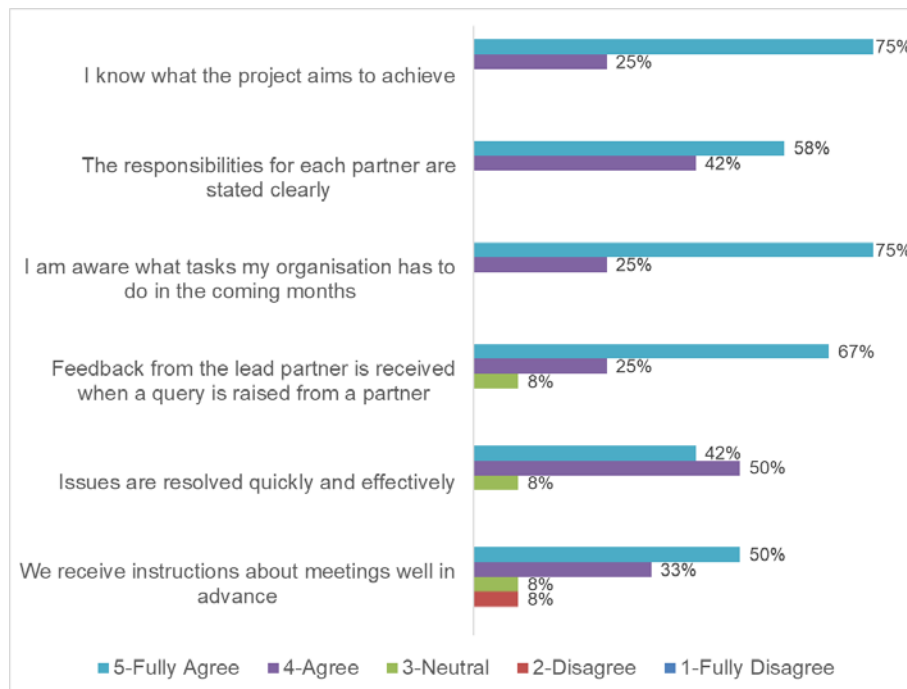


Figure 2. Analysis of responses on 1-5 scale for the Project Evaluation (“Project Management”).

In Part 2, partners were asked to rate some questions characterizing the internal communication.

RESULTS (M18. Project Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
Internal Communication									
7	I'm satisfied with the file-sharing tool used and the method that is used for Project internal communications	0	0	0	5	7	92%	100%	12
		0%	0%	0%	42%	58%			100%
8	Response from partners on raised issues is satisfactory	0	0	1	5	6	88%	100%	12
		0%	0%	8%	42%	50%			100%
9	All partners provide regular updates on their work package activities	0	0	1	4	7	90%	100%	12
		0%	0%	8%	33%	58%			100%
10	There is a good level of communication with the lead partner	0	0	1	2	9	93%	100%	12
		0%	0%	8%	17%	75%			100%
11	There is a good level of communication among all partners	0	0	1	6	5	87%	100%	12
		0%	0%	8%	50%	42%			100%

Table 2. Analysis of responses on 1-5 scale for the Project Evaluation (“Internal Communication”).

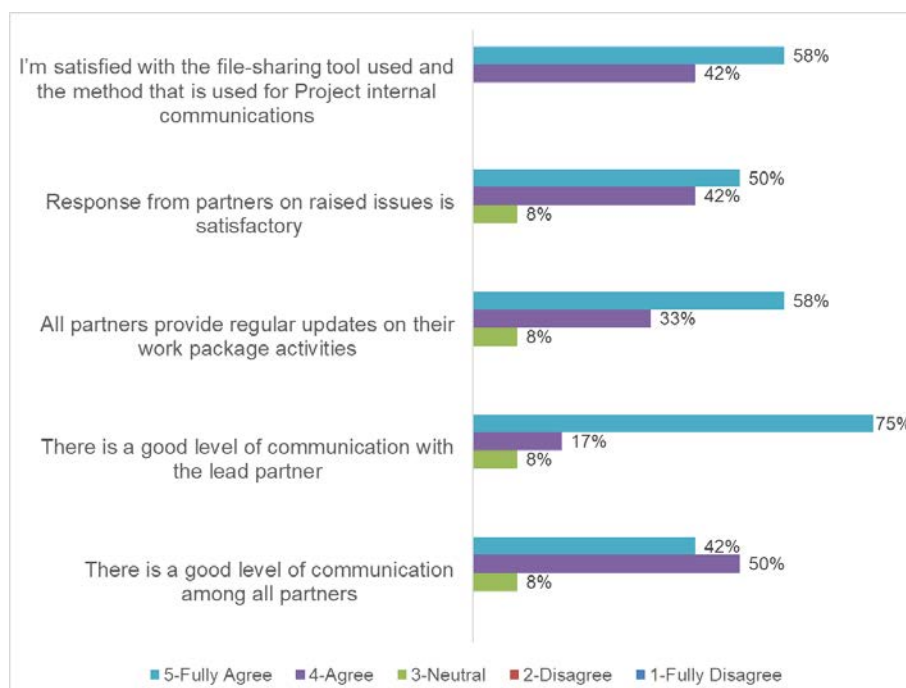


Figure 3. Analysis of responses on 1-5 scale for the Project Evaluation (“Internal Communication”).

In Part 3, partners were asked to rate some questions characterizing the external communication.

RESULTS (M18. Project Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
External Communication									
12	The materials prepared and used (logo, banner, website) have been appropriate and effective for the promotion of the project objectives and results	0	0	0	5	7	92%	100%	12
		0%	0%	0%	42%	58%			100%
13	The project activities so far promote the exploitation of the project findings	0	0	1	3	8	92%	100%	12
		0%	0%	8%	25%	67%			100%
14	The dissemination activities so far are in line with the strategy described in the dissemination plan	0	0	1	3	8	92%	100%	12
		0%	0%	8%	25%	67%			100%
15	The dissemination strategy depicted in the dissemination plan has been feasible and effectively facilitated the promotion of the project results and objectives	0	0	0	5	7	92%	100%	12
		0%	0%	0%	42%	58%			100%
16	The project partners have addressed and effectively engaged the relevant stakeholders (* only for partners that have hosted/participated in activities in contact with stakeholders)	0	0	0	4	6	92%	100%	10
		0%	0%	0%	40%	60%			100%

Table 3. Analysis of responses on 1-5 scale for the Project Evaluation (“External Communication”).



Figure 4. Analysis of responses on 1-5 scale for the Project Evaluation (“External Communication”).

In Part 4, partners were asked to rate some questions characterizing the overall project progress.

RESULTS (M18. Project Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
Overall Project Progress									
17	The project is keeping up with the planned objectives	0	0	1	7	4	85%	100%	12
		0%	0%	8%	58%	33%			100%
18	The workplan of the project is being followed	0	0	1	6	5	87%	100%	12
		0%	0%	8%	50%	42%			100%
19	Any deviations from the workplan have been well considered and agreed by all	0	0	1	2	9	93%	100%	12
		0%	0%	8%	17%	75%			100%
20	Partners have committed the required time and resources to achieve the objectives	0	0	0	7	5	88%	100%	12
		0%	0%	0%	58%	42%			100%
21	I'm satisfied with the deliverables delivered during the first year of the project	0	0	0	6	6	90%	100%	12
		0%	0%	0%	50%	50%			100%
22	My expectations regarding my involvement in the project (effort, time, commitments, etc) were met	0	0	1	5	6	88%	100%	12
		0%	0%	8%	42%	50%			100%

Table 4. Analysis of responses on 1-5 scale for the Project Evaluation (“Overall Project Progress”).

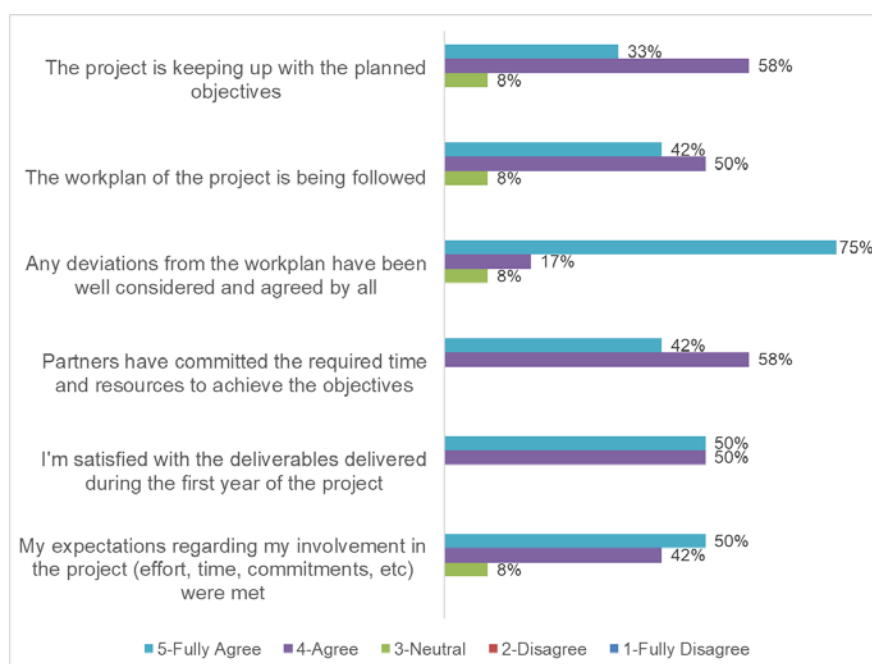


Figure 5. Analysis of responses on 1-5 scale for the Project Evaluation (“Overall Project Progress”).

2.1.2 Additional comments

The comments and suggestions collected in the surveys are presented below literally transcribed (without spelling or grammatical corrections) and corresponding to one per person surveyed.

Internal Communication, additional comments:

- Very productive.
- Excellent opportunity for partners to meet face to face and discuss the progress in different workpackages.

External Communication, additional comments:

- NA.
- Good opportunity to discuss networking wp.

Overall Project Progress, additional comments:

- NA.
- More physical meetings are needed.

2.1.3 Overall Conclusions

The value of the weighted average of all items is more than 70% so it is not considered necessary to establish any improvement plan with respect to the results.

All of the items have obtained a weighted average within the range 85% - 95%.

With weighted average 95%, the highest result came for the following questions: "I know what the project aims to achieve" and "I am aware what tasks my organisation has to do in the coming months".

The lowest rated questions were "We receive instructions about meetings well in advance" and "The project is keeping up with the planned objectives" (weighted average: 85%).

3. POST MEETINGS' EVALUATIONS

Post-meetings evaluations among project partners aim to ensure the quality of the Eco-Car project key project processes (such as the management meetings' effectiveness), as well as to assess the organisational issues of the meeting and the value of the received information to the project progress.

After each meeting, an evaluation survey was conducted, asking each partner's project representative to rate the meeting in a questionnaire made using an online digital survey tool that allowed respondents to remain anonymous.

The Quality Manager collected all the answers from the partners, which reflected the views of the consortium on its progress, and the assessment was done by analysing the responses from each partner to these questions.

It is worth mentioning that the meeting is considered approved if the average percentage of weighted answers is more than 70%. Scores less than this require corrective actions by the partnership, led by the Project Coordinator.

The delivery of the questionnaires and the collection of results of this internal evaluation were done using Google Forms. Elaboration of results was done using MS Excel.

3.1 Online Meetings' Evaluation

"*Meeting Evaluation*" surveys contained 15 items that covered all activities included during the meeting, separated into the following parts:

- Part 1: The Meeting.
- Part 2: The Project.
- Personal info.

Parts 1 and 2 of the survey contained closed questions (5-point Likert scale), in which respondents had to give a grade between 1 and 5, with 5 being the highest (fully agree) and 1 the lowest (fully disagree). The possibility to provide comments at the end was provided.

At the end of the survey, respondents were asked regarding their personal data, for the purpose of ascertaining partner participation. Some of this information was optional for the participants in order to preserve their anonymity.

The results in this report summarize the information collected in the surveys that were delivered after the meetings listed in Table 5.

Meeting	Date	No of participants	No of answers	Participation (%)
10 th Management Meeting Evaluation	January 2022	31	12	38,71%
Steering and Scientific Committees Meeting Evaluation	March 2022	33	15	45,45%
11 th Management Meeting Evaluation	May 2022	31	14	45,16%
12 th Management Meeting Evaluation	June 2022	22	14	63,64%
Total		117	55	47,01%

Table 5. Online meetings that were evaluated during the 3rd semester of the project.

In general, the established deadlines for answering the surveys were met, except at the Steering and Scientific Committees Meeting Evaluation meeting, in which the response period was extended to improve the percentage of participation.

Out of a total of 117 participants in the meetings (according to the Attendance List), 55 responses were received (47,01% participation in the surveys).

Out of 55 participants who filled the survey, 54 indicated the organisation they belong to. This is illustrated in Figure 6. The responses given by the participants are analysed below.

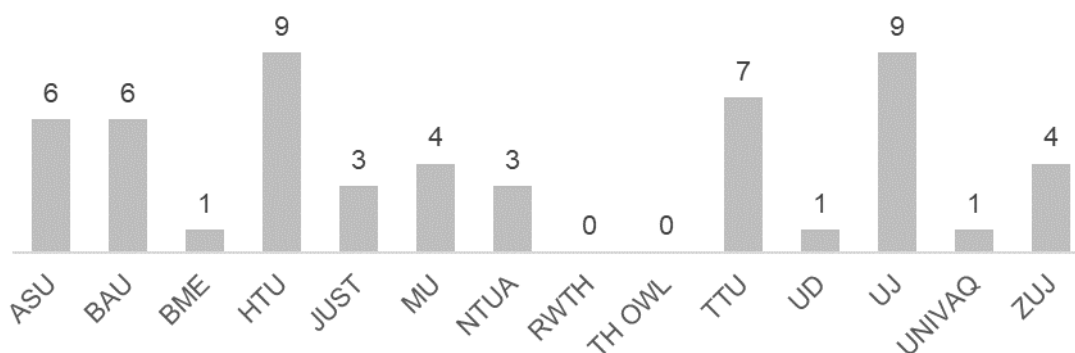


Figure 6. Number of surveys submitted per organization (N=54).

3.1.1 Analysis of scaled questions

In Part 1, partners were asked to rate some questions characterizing the overall meeting.

RESULTS (M18. Online Meetings Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
A- The meeting									
1	The meeting was well planned and organised.	3	0	0	11	41	92%	95%	55
		5%	0%	0%	20%	75%			100%
2	The agenda was balanced, focusing on all key aspects of the project.	3	0	1	16	35	89%	95%	55
		5%	0%	2%	29%	64%			100%
3	The participants received all information about the meeting on time.	3	1	2	16	33	87%	93%	55
		5%	2%	4%	29%	60%			100%
4	The presentations by the partners were clear and understandable.	4	0	1	23	26	85%	93%	54
		7%	0%	2%	43%	48%			100%
5	Partners were able to interact with the other project's partners.	4	0	3	14	34	87%	93%	55
		7%	0%	5%	25%	62%			100%
6	The timetable was respected.	1	1	3	19	31	88%	96%	55
		2%	2%	5%	35%	56%			100%
7	The conference room and its facilities facilitated the work during the meeting.	3	0	4	19	28	86%	94%	54
		6%	0%	7%	35%	52%			100%

Table 6. Analysis of responses on 1-5 scale for the Online Meetings Evaluation.

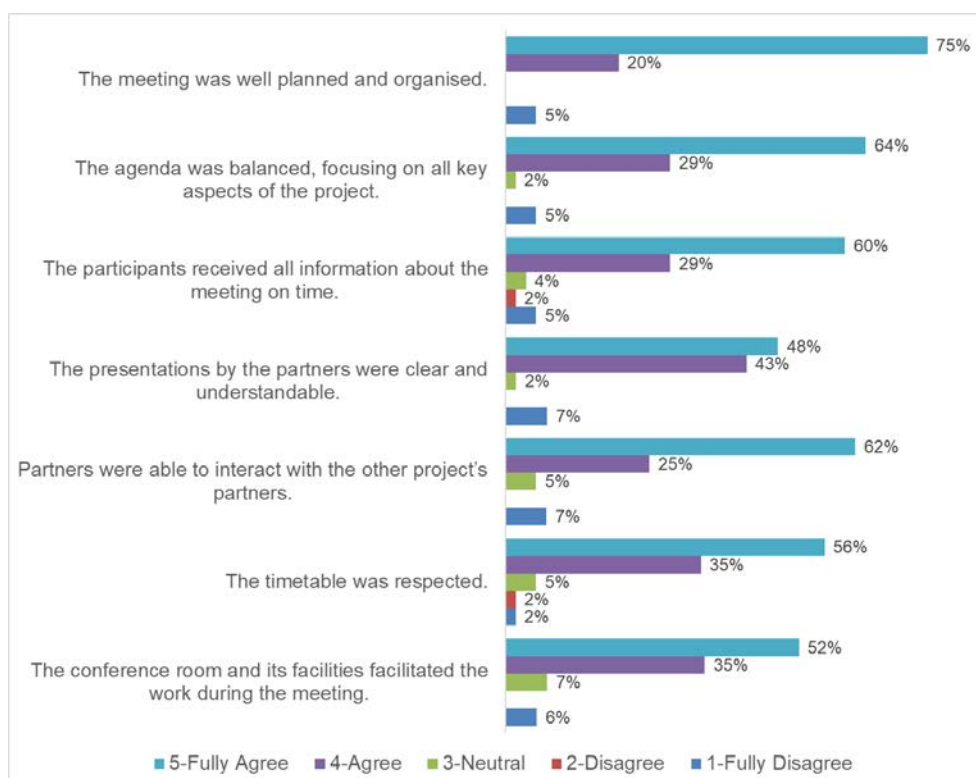


Figure 7. Analysis of responses on 1-5 scale for the Online Meetings Evaluation.

In Part 2, partners were asked to rate some questions characterizing the project.

RESULTS (M18. Online Meetings Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
B. The Project - After the meeting...									
8	The timescales proposed are realistic and feasible.	2	0	8	17	28	85%	96%	55
		4%	0%	15%	31%	51%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	3	1	1	19	31	87%	93%	55
		5%	2%	2%	35%	56%			100%
10	The communication between the partners was effective and clear.	4	0	3	21	27	84%	93%	55
		7%	0%	5%	38%	49%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	3	0	3	21	27	86%	94%	54
		6%	0%	6%	39%	50%			100%

Table 7. Analysis of responses on 1-5 scale for the Online Meetings Evaluation.

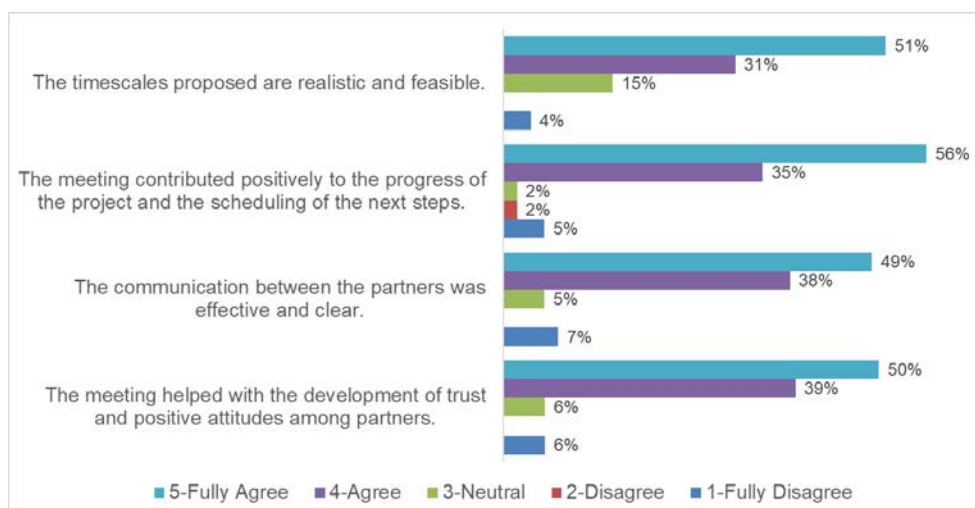


Figure 8. Analysis of responses on 1-5 scale for the Online Meetings Evaluation.

3.1.2 Additional comments

The comments and suggestions collected in the surveys are presented below literally transcribed (without spelling or grammatical corrections) and corresponding to one per person surveyed.

10th Management Meeting Evaluation, additional comments:

- NA.
- NA.

Steering and Scientific Committees Meeting Evaluation, additional comments:

- This was the first onsite meeting and it was needed.
- No.
- No.

11th Management Meeting Evaluation, additional comments:

- NA.
- Thanks for the great consortium.

12th Management Meeting Evaluation, additional comments:

- No.
-
- NA.

3.1.3 Overall Conclusions

The value of the weighted average of all items is more than 70% so it is not considered necessary to establish any improvement plan with respect to the results.

All of the items have obtained a weighted average within the range 80% - 95%.

The highest result came for the question “The meeting was well planned and organised” (weighted average: 92%).

The lowest rated question was “The communication between the partners was effective and clear” (weighted average: 84%).

It’s worth mentioning that the percentage of participation in all meetings is less than 50%. These results may be due to the fact that at the time the surveys were carried out, the new procedure for conducting them had not yet been implemented (possibility of filling out the survey at the end of the meetings or filling it out in the next 7 days after uploading the survey).

3.2 Physical Meetings´ Evaluation

“Meeting Evaluation” surveys contained 15 items that covered all activities included during the meeting, separated into the following parts:

- Part 1: Organisation of the meeting.
- Part 2: The meeting.
- Part 3: After the meeting.
- Personal info.

Parts 1 to 3 of the survey contained closed questions (5-point Likert scale), in which respondents had to give a grade between 1 and 5, with 5 being the highest (fully agree) and 1 the lowest (fully disagree). The possibility to provide comments at the end was provided.

At the end of the survey, respondents were asked regarding their personal data, for the purpose of ascertaining partner participation. Some of this information was optional for the participants in order to preserve their anonymity.

The results in this report summarize the information collected in the surveys that were delivered after the meetings listed in Table 5.

Meeting	Date	No of participants	No of answers	Participation (%)
TH-OWL Steering Committee Meeting	July 2022	30	21	70,00%

Table 8. Physical meetings that were evaluated during the 3rd semester of the project.

In this case, the established deadlines for answering the survey were met.

Out of a total of 30 participants in the meetings (according to the Attendance List), 21 responses were received, coming from all partners (70,00% participation in the surveys). This is illustrated in Figure 9. The responses given by the participants are analysed below.

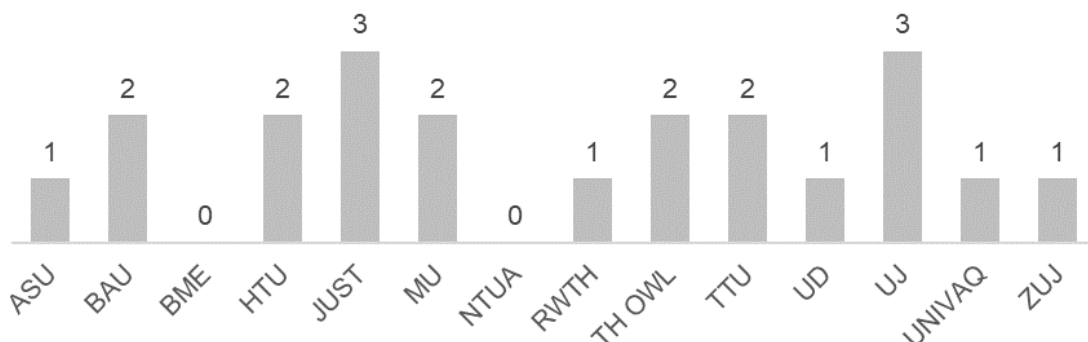


Figure 9. Number of surveys submitted (N=21).

3.2.1 Analysis of scaled questions

RESULTS (M18. Physical Meetings Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
A. Organisation of the meeting									
1	The venue of the meeting was selected considering accessibility criteria (airport with international connections, direct access from the airport to the venue of the meeting)	0	1	4	6	10	84%	95%	21
		0%	5%	19%	29%	48%			100%
2	The length of the trip is reasonable (number of connections, extra days of stay due to flight availability)	1	1	3	7	9	81%	90%	21
		5%	5%	14%	33%	43%			100%
3	There are suitable accommodation options.	0	0	2	6	12	90%	100%	20
		0%	0%	10%	30%	60%			100%
4	There is the option of online connection for those partners not able to travel	0	1	1	5	13	90%	95%	20
		0%	5%	5%	25%	65%			100%

Table 9. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

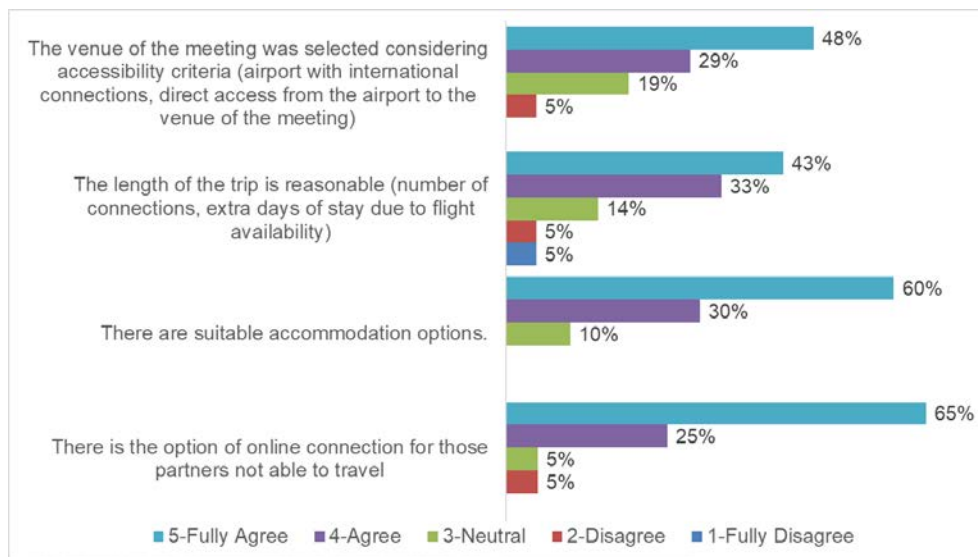


Figure 10. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

RESULTS (M18. Physical Meetings Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
B. The meeting									
5	The meeting was well planned and organised.	0	1	1	8	11	88%	95%	21
		0%	5%	5%	38%	52%			100%
6	The agenda was balanced, focusing on all key aspects of the project.	0	0	2	9	10	88%	100%	21
		0%	0%	10%	43%	48%			100%
7	The participants received all information about the meeting on time.	0	1	1	6	13	90%	95%	21
		0%	5%	5%	29%	62%			100%
8	The presentations by the partners were clear and understandable.	0	0	2	5	14	91%	100%	21
		0%	0%	10%	24%	67%			100%
9	Partners were able to interact with the other project's partners.	0	0	1	6	14	92%	100%	21
		0%	0%	5%	29%	67%			100%
10	The timetable was respected.	0	0	3	7	11	88%	100%	21
		0%	0%	14%	33%	52%			100%
11	The conference room and its facilities facilitated the work during the meeting.	0	0	2	5	13	91%	100%	20
		0%	0%	10%	25%	65%			100%

Table 10. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

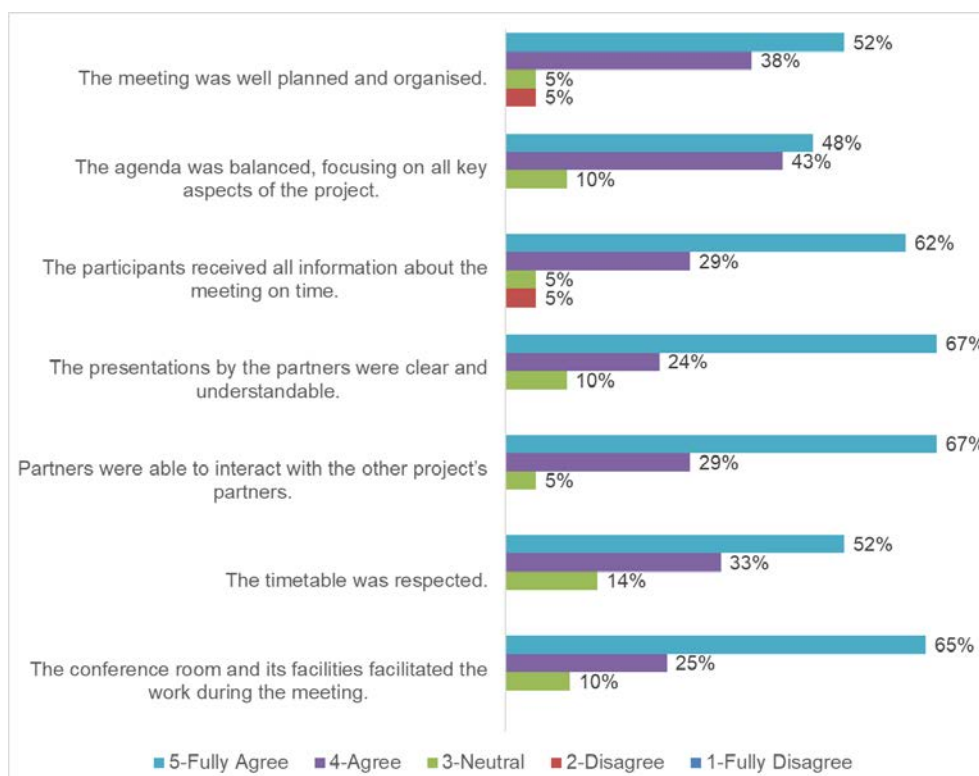


Figure 11. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

RESULTS (M18. Physical Meetings Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
C. The Project - After the meeting...									
12	The timescales proposed are realistic and feasible.	0	0	4	8	9	85%	100%	21
		0%	0%	19%	38%	43%			100%
13	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	0	0	0	9	12	91%	100%	21
		0%	0%	0%	43%	57%			100%
14	The communication between the partners was effective and clear.	0	0	2	7	12	90%	100%	21
		0%	0%	10%	33%	57%			100%
15	The meeting helped with the development of trust and positive attitudes among partners.	0	0	1	6	14	92%	100%	21
		0%	0%	5%	29%	67%			100%

Table 11. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

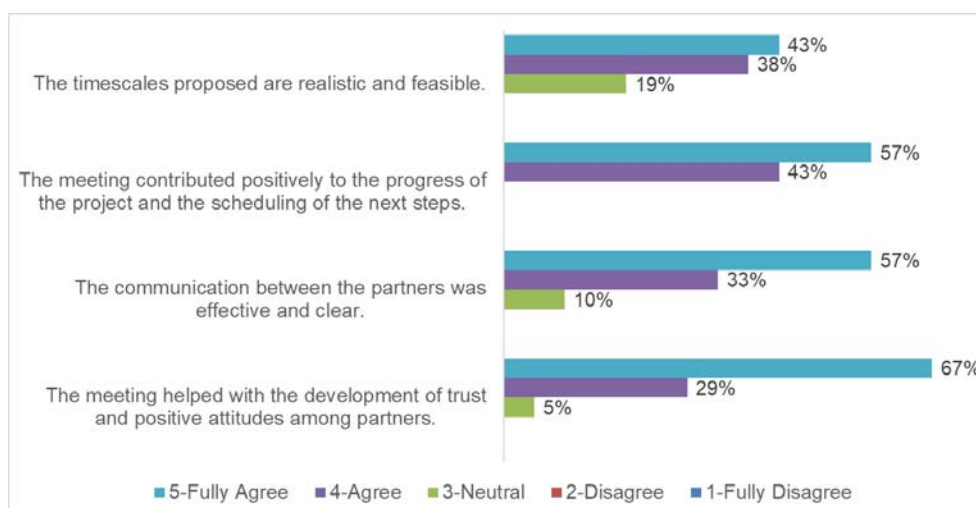


Figure 12. Analysis of responses on 1-5 scale for the Physical Meetings Evaluation.

3.2.2 Additional comments

The comments and suggestions collected in the surveys are presented below literally transcribed (without spelling or grammatical corrections) and corresponding to one per person surveyed.

- No.
- Na.
- None.
- No.
- None.
- No.
- I believe that the agenda has to be distributed to 3 days as the trip long and two days were densed.
- No.
- NC.

- To ensure effective and efficient management including financial and organisational aspects, the information regarding the venue, flight/transportation and accommodation options has to be provided by host at least 1 month before the meeting. This time we did not receive any information or support from the host institution, participants has been informed about logistic issues only 10 days before the meeting that is very short time.

3.2.3 Overall Conclusions

The value of the weighted average of all items is more than 70% so it is not considered necessary to establish any improvement plan with respect to the results.

60% of the items (9 out of 15) have obtained a weighted average within the range 95% - 100%.

With weighted average 92%, the highest result came for the questions “Partners were able to interact with the other project partners” and “The meeting helped with the development of trust and positive attitudes among partners”.

The lowest rated question was “The length of the trip is reasonable (number of connections, extra days of stay due to flight availability)” (weighted average: 81%).

4. POST- WORKSHOPS' EVALUATIONS

Post-Workshop evaluations among participants aim to assess the organisational issues of the workshops and their effectiveness.

After each Workshop an evaluation survey was conducted, asking those who attended the Workshops to rate the event in a questionnaire made using an online digital survey tool that allowed respondents to remain anonymous.

The Quality Manager collected all the answers from the participants and the assessment was done by analysing the responses from each participant to these questions.

It is worth mentioning that the workshop is considered approved if the average percentage of weighted answers is more than 70%. Scores less than this require corrective actions by the partnership, led by the Project Coordinator.

The delivery of the questionnaires and the collection of results of this internal evaluation were done using Google Forms. Elaboration of results was done using MS Excel.

4.1 Workshops' Evaluation

“*Workshop Evaluation*” surveys contained the following parts:

- Part 1: The Meeting.
- Part 2: The Project.
- Personal info.

Parts 1 and 2 of the survey contained closed questions (5-point Likert scale), in which respondents had to give a grade between 1 and 5, with 5 being the highest (fully agree) and 1 the lowest (fully disagree). The possibility to provide comments at the end was provided.

At the end of the survey, respondents were asked regarding their personal data, for the purpose of ascertaining partner participation. Some of this information was optional for the participants in order to preserve their anonymity.

The results in this report summarize the information collected in the surveys that were delivered after the workshops listed in Table 8.

Workshop	Date	No of participants	No of answers	Participation %
EV Charging Systems & Charging Infrastructure Workshop	March 2022	133	28	21,05%
Modern Technology in the Diagnosing and Maintenance of Electrified Vehicles	March 2022	80	20	25%
ECTS Workshop by UD	March 2022	55	6	10,91%
Estimating the Impact of Topography and Traffic on Vehicle's Energy Consumption Workshop	April 2022	62	17	27,42%
Total		330	71	21,51%

Table 12. Workshops that were evaluated during the 3rd semester of the project.

The established deadlines for answering the surveys were met.

Out of a total of 330 participants in the workshops (according to the Attendance List), 71 responses were received, coming from all partners (21,51% participation in the survey). The responses given by the participants are analysed below.

4.1.1 Analysis of scaled questions

In Part 1, partners were asked to rate some questions characterizing the overall meeting.

RESULTS (M18. Workshops Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
A- The meeting									
1	The meeting was well planned and organised.	3 4%	3 4%	4 6%	27 38%	34 48%	84%	92%	71 100%
2	The agenda was balanced, focusing on all key aspects of the project.	3 4%	2 3%	4 6%	31 44%	31 44%	84%	93%	71 100%
3	The participants received all information about the meeting on time.	4 6%	4 6%	3 4%	19 27%	41 58%	85%	89%	71 100%
4	The presentations by the partners were clear and understandable.	3 4%	2 3%	6 8%	25 35%	35 49%	85%	93%	71 100%
5	Partners were able to interact with the other project's partners.	4 6%	2 3%	7 10%	23 32%	35 49%	83%	92%	71 100%
6	The timetable was respected.	4 6%	2 3%	5 7%	21 30%	39 55%	85%	92%	71 100%
7	The conference room and its facilities facilitated the work during the meeting.	3 4%	3 4%	5 7%	25 35%	35 49%	84%	92%	71 100%

Table 13. Analysis of responses on 1-5 scale for the Workshops Evaluation.

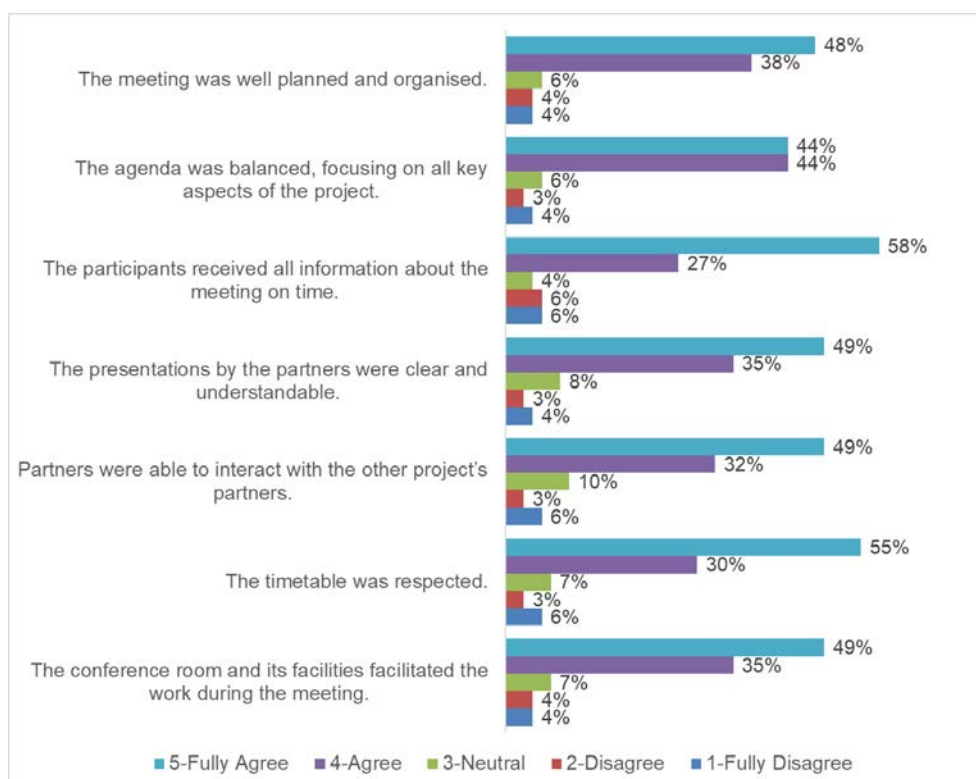


Figure 13. Analysis of responses on 1-5 scale for the Workshops Evaluation.

In Part 2, partners were asked to rate some questions characterizing the project.

RESULTS (M18. Workshops Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
B. The Project - After the meeting...									
8	The timescales proposed are realistic and feasible.	3	1	7	30	29	83%	94%	70
		4%	1%	10%	43%	41%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	1	3	7	24	36	86%	94%	71
		1%	4%	10%	34%	51%			100%
10	The communication between the partners was effective and clear.	2	3	7	24	35	85%	93%	71
		3%	4%	10%	34%	49%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	2	1	8	30	30	84%	96%	71
		3%	1%	11%	42%	42%			100%

Table 14. Analysis of responses on 1-5 scale for the Workshops Evaluation.

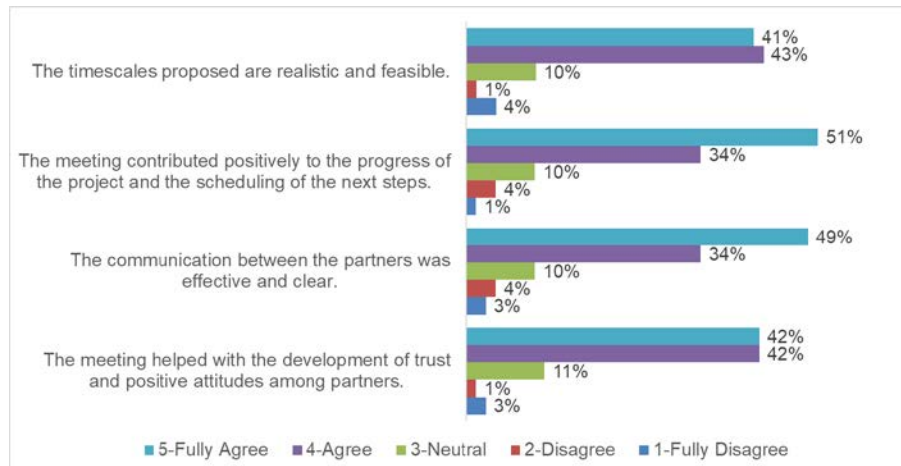


Figure 14. Analysis of responses on 1-5 scale for the Workshops Evaluation.

4.1.2 Additional comments

The comments and suggestions collected in the surveys are presented below literally transcribed (without spelling or grammatical corrections) and corresponding to one per person surveyed.

EV Charging Systems & Charging Infrastructure Workshop, additional comments:

- Please next time try to arrange materials that can be applicable for both Jordan & GCC market.
- No.
- Thanks for the big effort that you make for manage and preparing the lecture.
- No.
- Taking about the battery of the EV might help more.
- Thank you.
- No comments.

Modern Technology in the Diagnosing and Maintenance of Electrified Vehicles, additional comments:

- Yes.
- Thanks for all.
- Thanks.
- Thankful for your effective efforts.
- No comments.
- No.
- No.
- I think this is the best presentation I watched at the Eco-Car workshop. congratulation Eng Alaa. Allah Bless you. Obviously, all the past presentations were very interesting, either. I will be pleased if I can have all the past presentations and materials on the following email: akthemyasin1964@gmail.com. with my best wishes. Dr Aktham Yasin.

- No.
- No.

Estimating the Impact of Topography and Traffic on Vehicle's Energy Consumption Workshop, additional comments:

- Na.
- Time was unclear.
- No.
- The meeting was clear and useful.

ECTS Workshop by UD, additional comments:

- No.

4.1.3 Overall Conclusions

The value of the weighted average of all items is more than 70% so it is not considered necessary to establish any improvement plan with respect to the results.

All of the items have obtained a weighted average within the range 80% - 90%.

With weighted average 86%, the highest result came for the questions "The meeting contribute positively to the progress of the project and the scheduling of the next steps".

The lowest rated questions were "Partners were able to interact with the other project partners" and "The timescales proposed were realistic and feasible" (weighted average: 83%).

It's worth mentioning that the percentage of participation in all workshops is less than 50%. These results may be due to the fact that at the time the surveys were carried out, the new procedure for conducting them had not yet been implemented (possibility of filling out the survey at the end of the workshops or filling it out in the next 7 days after uploading the survey).

5. POST- TRAINING EVALUATIONS

Post-Training evaluations among participants aim to assess the organisational issues of the trainings and their effectiveness.

After Budapest Training an evaluation survey was conducted, asking the attendants to rate the event in a questionnaire made using an online digital survey tool that allowed respondents to remain anonymous.

The Quality Manager collected all the answers from the participants and the assessment was done by analysing the responses from each participant to these questions.

It is worth mentioning that the workshop is considered approved if the average percentage of weighted answers is more than 70%. Scores less than this require corrective actions by the partnership, led by the Project Coordinator.

The delivery of the questionnaires and the collection of results of this internal evaluation were done using Google Forms. Elaboration of results was done using MS Excel.

5.1 Training Evaluation

“Training Evaluation” survey contained the following parts:

- Part 1: Overall Training Experience.
- Part 2: Participants’ opinion of the Trainers.
- Personal remarks.
- Personal info.

The first section of the questionnaire included Parts 1 and 2 of the survey contained closed questions (5-point Likert scale), in which respondents had to give a grade between 1 and 5, with 5 being the highest (fully agree) and 1 the lowest (fully disagree).

The second section of the questionnaire contained one closed question (Yes/No scale) and four open questions. Project partners were asked in this section to provide their opinions and concerns on some training aspects. The possibility to provide comments at the end was provided.

At the end of the survey, respondents were asked regarding their personal data, for the purpose of ascertaining partner participation. Some of this information was optional for the participants in order to preserve their anonymity.

People who attended the Budapest Training were allowed to submit their answers during the period from June 3th, 2022 to June 5th, 2022. Therefore, the established deadlines have been met.

Out of 22 attendants 22 responses were received (100% participation in the survey). The responses given are analysed below.

5.1.1 Analysis of scaled questions

In Part 1, partners were asked to rate some questions characterizing the overall Training Experience.

RESULTS (M18. Training Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
1- Overall Training Experience									
1	The meeting was well planned and organised.	2	0	1	7	12	85%	91%	22
		9%	0%	5%	32%	55%			100%
2	The training facilities were adequate and comfortable.	1	2	3	8	8	78%	86%	22
		5%	9%	14%	36%	36%			100%
3	The technical resources used were satisfactory.	1	2	3	4	12	82%	86%	22
		5%	9%	14%	18%	55%			100%
4	The materials provided were helpful.	1	2	2	9	8	79%	86%	22
		5%	9%	9%	41%	36%			100%
5	The objectives of the training were clearly defined and met.	1	1	3	9	8	80%	91%	22
		5%	5%	14%	41%	36%			100%
6	The study tours were useful and had an added value in the whole training.	2	3	2	4	11	77%	77%	22
		9%	14%	9%	18%	50%			100%
7	The training content was well organised.	2	0	2	9	9	81%	91%	22
		9%	0%	9%	41%	41%			100%
8	The topics of the training were clear and easy to follow.	0	3	3	7	9	80%	86%	22
		0%	14%	14%	32%	41%			100%
9	The length of training was sufficient.	2	1	2	8	9	79%	86%	22
		9%	5%	9%	36%	41%			100%
10	The training enhanced my understanding on the subject.	2	1	1	11	7	78%	86%	22
		9%	5%	5%	50%	32%			100%
11	The training was relevant to my needs.	1	3	1	6	11	81%	82%	22
		5%	14%	5%	27%	50%			100%
12	The training will be useful to me and my professional growth.	2	1	1	8	10	81%	86%	22
		9%	5%	5%	36%	45%			100%
13	The training met my expectations.	2	1	2	8	9	79%	86%	22
		9%	5%	9%	36%	41%			100%

Table 15. Analysis of responses on 1-5 scale for the Training Evaluation.

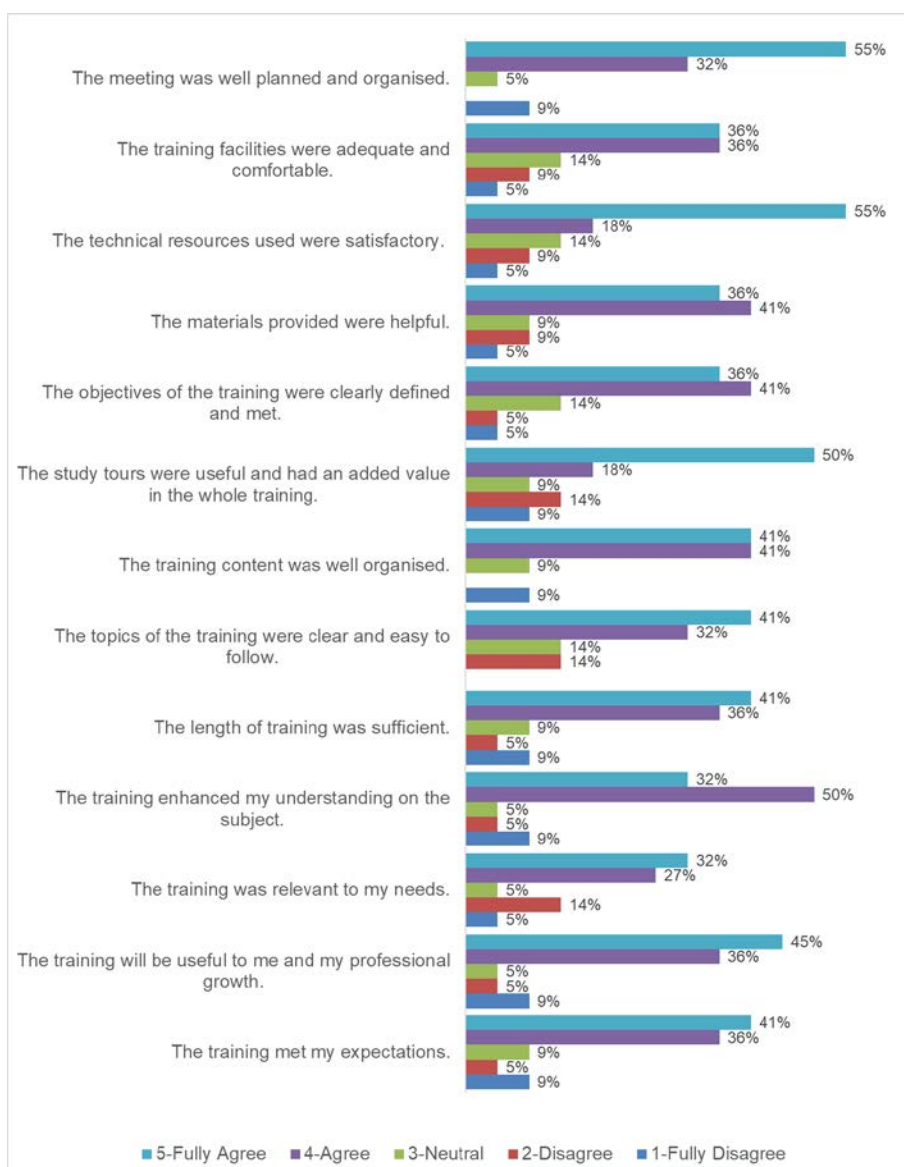


Figure 15. Analysis of responses on 1-5 scale for the Training Evaluation.

In Part 2, partners were asked to rate some questions characterizing their opinion of the Trainers.

RESULTS (M18. Training Evaluation)									
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
2- Your opinion of the Trainers									
14	The trainer was knowledgeable about the training topic.	2	0	2	7	11	83%	91%	22
		9%	0%	9%	32%	50%			100%
15	The trainer succeeded to explain and illustrate concepts.	1	1	2	8	10	83%	91%	22
		5%	5%	9%	36%	45%			100%
16	The topics were presented in a clear and understandable manner.	2	0	2	9	9	81%	91%	22
		9%	0%	9%	41%	41%			100%
17	The trainer encouraged participation, interaction and answered questions clearly.	1	1	3	7	10	82%	91%	22
		5%	5%	14%	32%	45%			100%
18	The trainer's communication style kept me focused and interested.	1	1	2	10	8	81%	91%	22
		5%	5%	9%	45%	36%			100%

Table 16. Analysis of responses on 1-5 scale for the Training Evaluation.

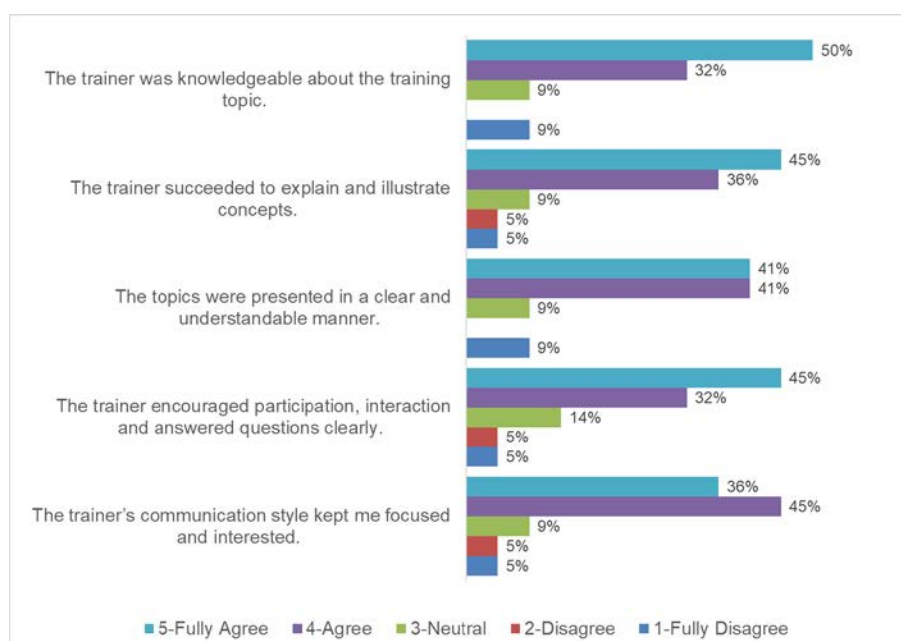


Figure 16. Analysis of responses on 1-5 scale for the Training Evaluation.

5.1.2 Open ended questions

Was this training appropriate for your level of experience?

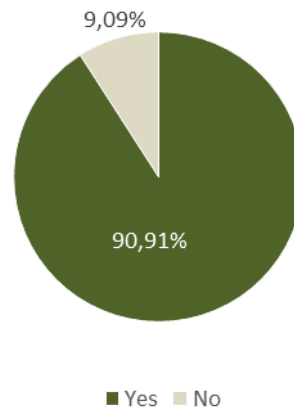


Figure 17. Percentage of responses Yes / No scale.

Which topics were not covered or insufficiently covered, in your opinion?

- Safety.
- Battery storage and charging.
- Electric machines.
- Maintenance aspects.
- Some topics.
- The practical topic.
- HV system.
- Safety and security.
- I suggest for coming workshops to make up groups of the participants (guests and hosts) and the presenters to arrange brainstorming sessions in the selected topic and increase the time in workshops and practical sessions while decreasing the time of conventional presentations.
- More practical training is needed.

Which topics were not relevant in your opinion?

- The Roundabout PhD thesis work.
- Nothing.
- Transportation roundabout.
- Non.
- Torsional vibration measurements.
- internal combustion engine.
- 0.
- No thing .
- All are relevant.
- We went to Zalazone but unfortunately we could not conduct the test in the vehicle so I think it was a waste of time.
- Everything is relevant.

What did you like best about the training?

- ZalaZONE idea.
- ZalaZone visit.
- Zala zone experience.
- All the lectures and zalazone.
- Vibration and testing.
- New experience.
- Measurements, vibration and data acquisition.
- Modelling.
- More practical aspects instead of too much theory.
- Everything.
- If the practical topic will be added.
- It will be very usefull if we had any thing about the vehicle diagnosis.
- Well organized.
- Level of training.

What suggestions or comments do you have for making the program more effective?

- Give more practical training.
- It is very good.
- More lab work.
- To apply some diagnosis and fault isolation.
- Cut down the theory drastically. i am not interested to hear fot graduate students on their thesis.
- More workshops.
- No thing.
- No added comments.
- Social program is needed.

5.1.3 Overall Conclusions

The value of the weighted average of all items is more than 70% so it is not considered necessary to establish any improvement plan with respect to the results.

All of the items have obtained a weighted average within the range 75% - 85%.

With weighted average 85%, the highest result came for the questions “The meeting was well planned and organised”.

The lowest rated question was “The study tours were useful and had an added value in the whole training” (weighted average: 77%).

6. DISSEMINATION EVENT EVALUATIONS

6.1 Dissemination Event Evaluation

Post-Dissemination Event evaluations among participants aim to assess the effectiveness of the activity.

After the WP7-Dissemination and Sustainability Work Event that took place on June 2, 2022, an evaluation survey was conducted, asking those who attended the event to rate it in a questionnaire made using an online digital survey tool (Google Forms) that allowed respondents to remain anonymous.

The questionnaire included closed questions as well as open-ended questions for remarks, comments and suggestions.

Although the Quality Manager collected all the responses from the participants, the evaluation report was not carried out due to the low percentage of participation in the survey (38.00% participation). This is because, as stated in the "*Quality Assurance and Evaluation Plan*", to obtain significant conclusions and, therefore, prepare the report, at least 50% of the participants registered in the event must complete a questionnaire.