WP6.3 Quality and Monitoring Report (M36)
January 2024

CONTENTS

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1. INTRODUCTION

This report will accumulate, analyse and summarise the results from the quality evaluations done during the M36 period of the Eco-Car project (15/07/2023 to 14/01/2024).

The elements that were identified and evaluated during this period were:

- Project performance.
- Management and Steering Committee Meetings.
- Final Conference.
- Staff, Student and Tuning Workshops.
- University Visits.
- Courses.
- Key Deliverables.

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.

"*Project Evaluation*" survey contained 22 items, separated into 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.

2.1 Project Evaluation

Partners were allowed to submit their answers during the period from January 10th, 2024 to January 17th, 2024.

Out of 14 participants in the survey, 14 responses were received, coming from Quality Committee Members (100% participation in the survey). This is illustrated in Figure 1. The responses given by the participants are analysed below.
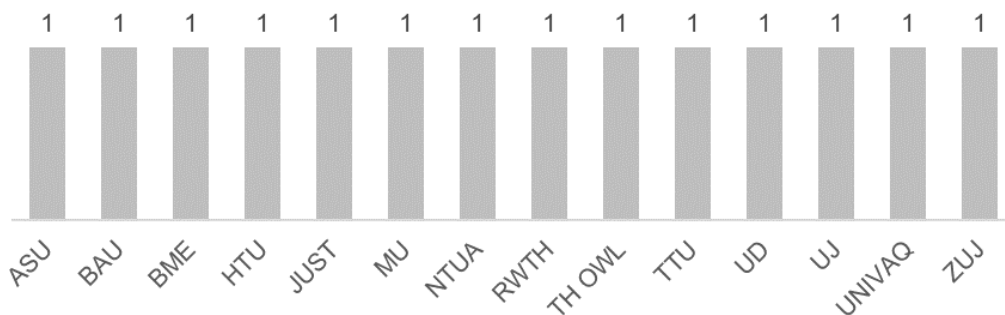
Figure 1. Number of surveys submitted (N=14).

2.1.1 Analysis of scaled questions

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

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36. Project Evaluation)								
	Project Management								
1	I know what the project aims to achieve	0	0	1	3	10	93%	100%	14
		0%	0%	7%	21%	71%			100%
2	The responsibilities for each partner are stated clearly	0	0	1	3	10	93%	100%	14
		0%	0%	7%	21%	71%			100%
3	I am aware what tasks my organisation has to do in the coming months	0	0	1	4	9	91%	100%	14
		0%	0%	7%	29%	64%			100%
4	Feedback from the lead partner is received when a query is raised from a partner	0	0	1	4	9	91%	100%	14
		0%	0%	7%	29%	64%			100%
5	Issues are resolved quickly and effectively	0	0	1	5	8	90%	100%	14
		0%	0%	7%	36%	57%			100%
6	We receive instructions about meetings well in advance	0	0	2	3	9	90%	100%	14
		0%	0%	14%	21%	64%			100%

Table 1. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Project Management*").

Figure 2. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Project Management*").

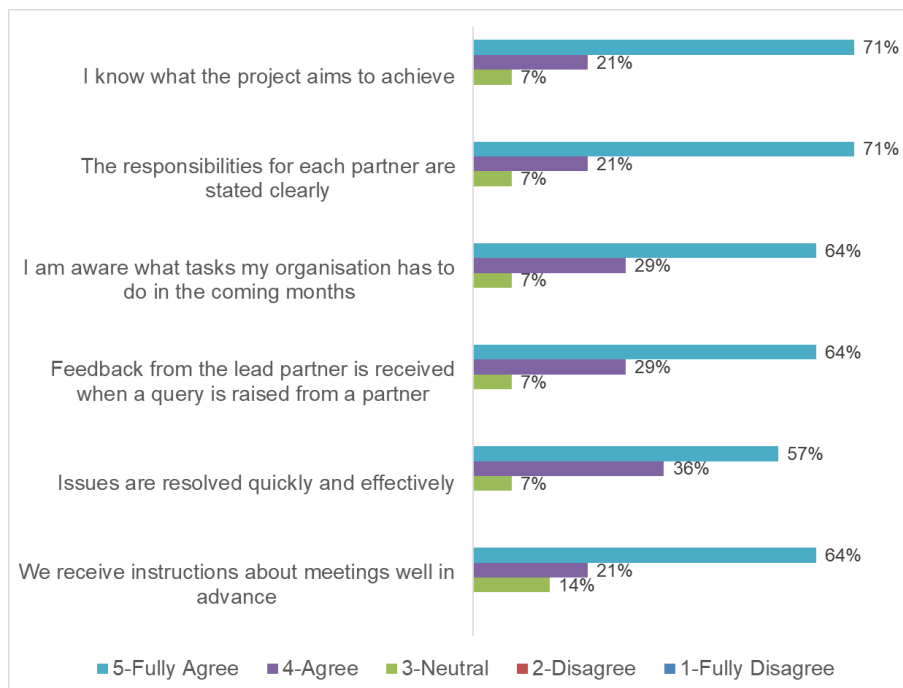In Part 2, partners were asked to rate some questions characterizing the internal communication.

RESULTS (M36. 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	1	5	8	90%	100%	14
	0%	0%	7%	36%	57%			100%
8 — Response from partners on raised issues is satisfactory	0	0	1	7	6	87%	100%	14
	0%	0%	7%	50%	43%			100%
9 — All partners provide regular updates on their work package activities	0	0	2	6	6	86%	100%	14
	0%	0%	14%	43%	43%			100%
10 — There is a good level of communication with the lead partner	0	0	1	5	8	90%	100%	14
	0%	0%	7%	36%	57%			100%
11 — There is a good level of communication among all partners	0	0	1	7	6	87%	100%	14
	0%	0%	7%	50%	43%			100%

Table 2. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Internal Communication*").

Figure 3. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Internal Communication*").

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

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
RESULTS (M36. Project Evaluation)									
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	4	10	94%	100%	14
		0%	0%	0%	29%	71%			100%
13	The project activities so far promote the exploitation of the project findings	0	0	0	6	8	91%	100%	14
		0%	0%	0%	43%	57%			100%
14	The dissemination activities so far are in line with the strategy described in the dissemination plan	0	0	0	4	10	94%	100%	14
		0%	0%	0%	29%	71%			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	4	10	94%	100%	14
		0%	0%	0%	29%	71%			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	10	94%	100%	14
		0%	0%	0%	29%	71%			100%

Table 3. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*External Communication*").
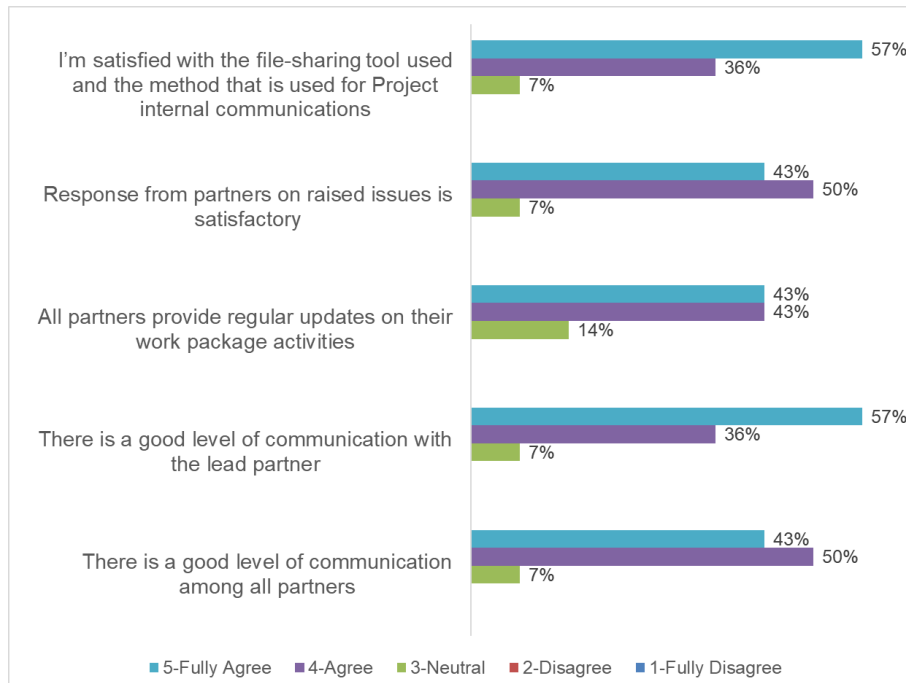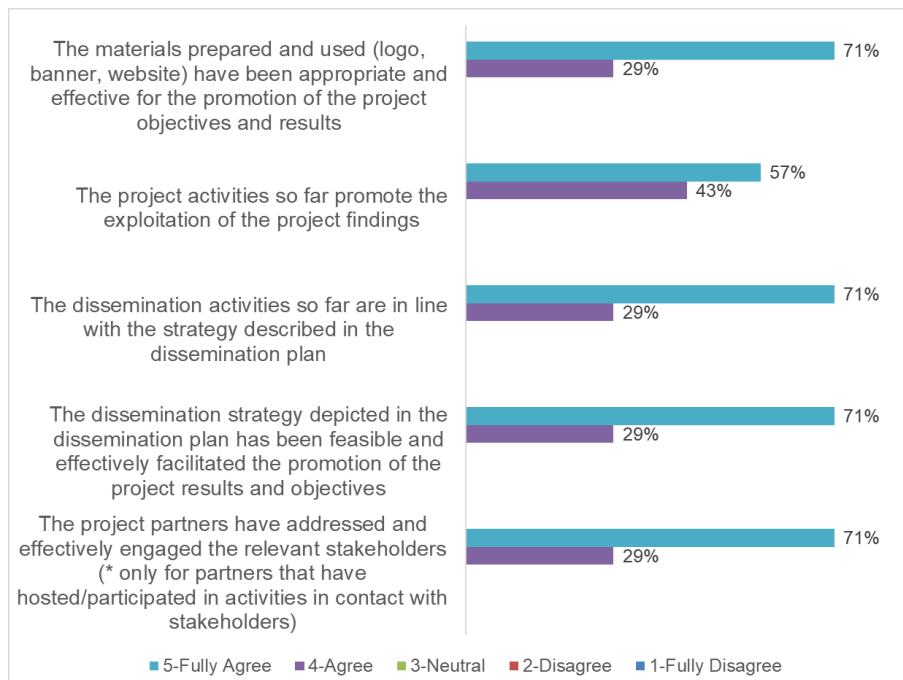

Figure 4. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*External Communication*").

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

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36. Project Evaluation)								
	Overall Project Progress								
17	The project is keeping up with the planned objectives	0	0	0	4	10	94%	100%	14
		0%	0%	0%	29%	71%			100%
18	The workplan of the project is being followed	0	0	0	3	11	96%	100%	14
		0%	0%	0%	21%	79%			100%
19	Any deviations from the workplan have been well considered and agreed by all	0	0	0	5	9	93%	100%	14
		0%	0%	0%	36%	64%			100%
20	Partners have committed the required time and resources to achieve the objectives	0	0	0	5	9	93%	100%	14
		0%	0%	0%	36%	64%			100%
21	I'm satisfied with the deliverables delivered during the first year of the project	0	0	0	4	10	94%	100%	14
		0%	0%	0%	29%	71%			100%
22	My expectations regarding my involvement in the project (effort, time, commitments, etc) were met	0	0	0	6	8	91%	100%	14
		0%	0%	0%	43%	57%			100%

Table 4. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Overall Project Progress*").
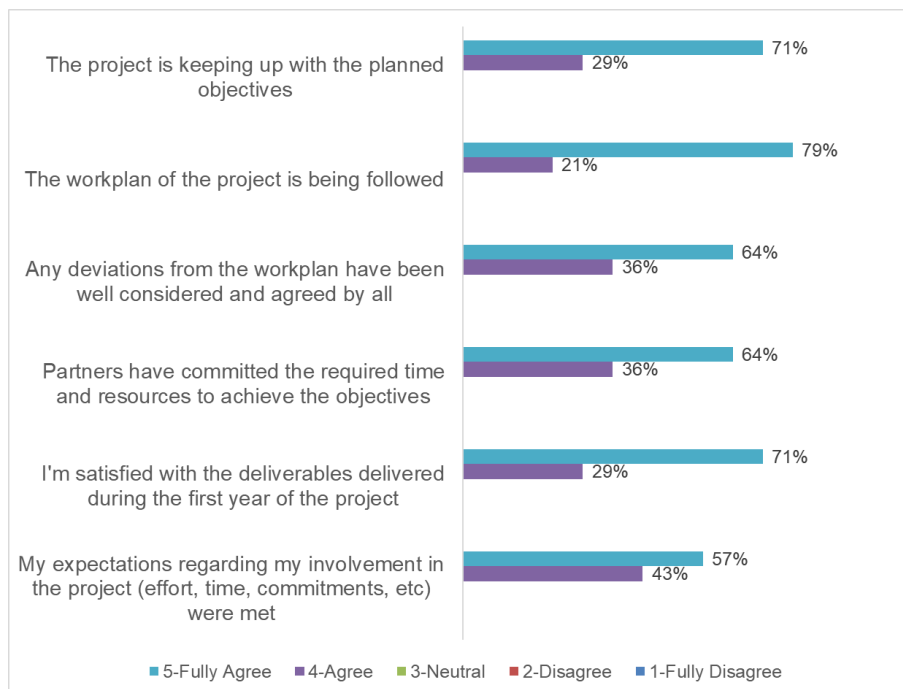

Figure 5. Analysis of responses on 1-5 scale for the M36 Project Evaluation ("*Overall Project Progress*").

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:

- Perfect.
- Very good.
- Progress was, excellent.
- Very good.
- The international communication was good, useful and resultoriented.

External Communication, additional comments:

- Good.
- Good and we have learned a lot.
- Stakeholders were very useful. Many activities with Stakeholders were conducted.
- Some partners did not pay intention for their stakeholders.

Overall Project Progress, additional comments:

- Good.
- More 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 86% - 96%.

With weighted average 96%, the highest result came for the item: "The workplan of the project is being followed".

The lowest rated question was: "All partners provide regular updates on their work package activities" (weighted average: 86%).

Having analysed the items in the M12, M24 and M36 annual reports, it can be concluded that, in general, an increase in satisfaction levels is observed in all of them, standing out Items 16 "The project partners have addressed and effectively engaged the relevant stakeholders" and 20 "Partners have committed the required time and resources to achieve the objectives".

In summary, all items are in line with expectations, being the value of the weighted average of all items more than 70%.

3. POST MEETING EVALUATION

Post-Meeting Evaluation among project partners aim to ensure the quality of the Eco-Car project key project processes (such as meeting 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.

Post-Meeting Evaluation surveys contained 11 items that covered all activities included during the meeting, separated into the following parts:

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

Parts 1 to 2 of the surveys 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 surveys, 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.

3.1 Meeting Evaluation

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

Meetings	Date	No of participants	No of answers	Participation (%)
5th Steering Committee Meeting	06/09/2023	22	14	63,64%
17th Management Meeting	30/10/2023	16	14	87,50%
18th Management Meeting	27/11/2023	14	9	64,29%
Total		**52**	**37**	**71,15%**

Table 5. Meetings that were evaluated during the M36 period.

Out of a total of 52 participants in the Meetings (according to the Attendance List), 37 responses were received, coming from all partners (71,15% participation in the surveys). This is illustrated in Figure 6. The responses given by the participants are analysed below.
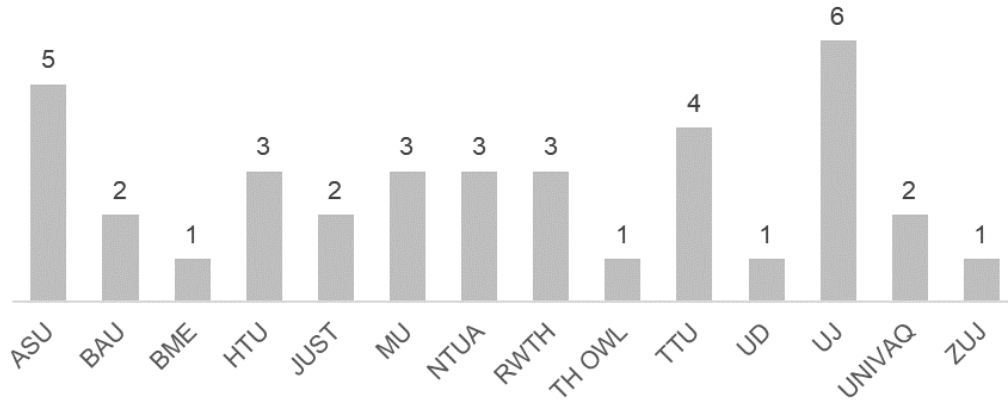

Figure 6. Number of surveys submitted (N=37).

3.1.1 Analysis of scaled questions

RESULTS (M36 Meeting)								
	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.	1	0	0	8	28	94%	97%	37
	3%	0%	0%	22%	76%			100%
2 The agenda was balanced, focusing on all key aspects of the project.	1	0	1	6	29	94%	97%	37
	3%	0%	3%	16%	78%			100%
3 The participants received all information about the meeting on time.	1	0	2	9	25	91%	97%	37
	3%	0%	5%	24%	68%			100%
4 The presentations by the partners were clear and understandable.	0	1	2	11	23	90%	97%	37
	0%	3%	5%	30%	62%			100%
5 Partners were able to interact with the other project's partners.	1	0	1	6	28	93%	97%	36
	3%	0%	3%	17%	78%			100%
6 The timetable was respected.	1	0	1	8	27	92%	97%	37
	3%	0%	3%	22%	73%			100%
7 The conference room and its facilities facilitated the work during the meeting.	0	0	3	5	27	94%	100%	35
	0%	0%	9%	14%	77%			100%

Table 6. Analysis of responses on 1-5 scale for the M36 Meeting Evaluation.

Figure 7. Analysis of responses on 1-5 scale for the M36 Meeting Evaluation.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
RESULTS (M36 Meeting)									
B. After the meeting…									
8	The timescales proposed are realistic and feasible.	0	1	1	12	23	91%	97%	37
		0%	3%	3%	32%	62%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	1	0	1	12	23	90%	97%	37
		3%	0%	3%	32%	62%			100%
10	The communication between the partners was effective and clear.	1	0	1	14	21	89%	97%	37
		3%	0%	3%	38%	57%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	1	0	1	10	25	91%	97%	37
		3%	0%	3%	27%	68%			100%

Table 7. Analysis of responses on 1-5 scale for the M36 Meeting Evaluation.
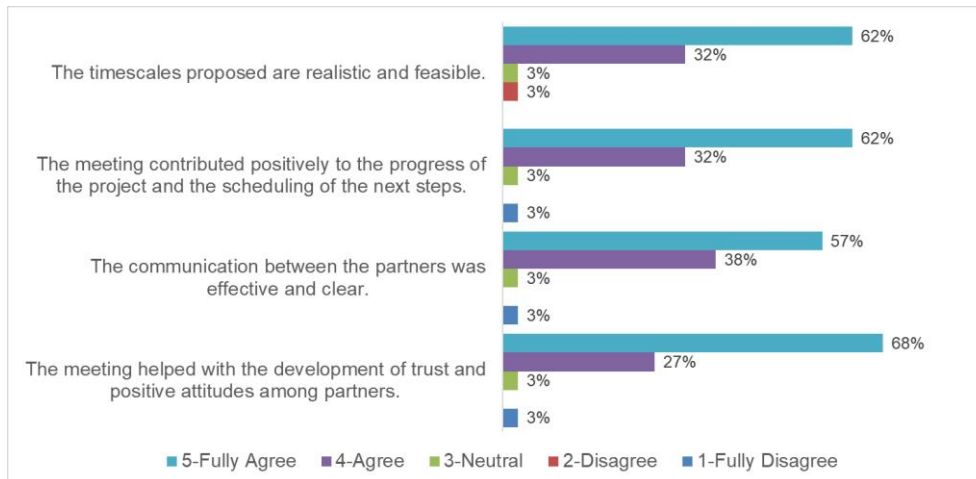
Figure 8. Analysis of responses on 1-5 scale for the M36 Meeting Evaluation.

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:

17th Management Meeting

- No.
- Many thanks.
- To have more online meeting.
- No.
- NA.

18th Management Meeting

- Thank you.
- No.
- No.

5th Steering Committee Meeting

- No.
- No.

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.

All of the items have obtained a weighted average within the range 89% - 94%.

With weighted average 94%, the highest result came for the questions "The meeting was well planned and organised", "The agenda was balanced, focusing on all key aspects of the project" and "The conference room and its facilities facilitated the work during the meeting".

The lowest rated question was "The communication between the partners was effective and clear" (weighted average 89%).

Having analysed the items of the M12 and M36 annual reports (during M24 period there were no meetings to analyse), it can be concluded that an increase in satisfaction levels is observed in all of them.

It is worth mentioning that all items are in line with expectations, being the value of the weighted average of all items more than 70%.

3.2 Final Conference

The results in this report summarize the information collected in the surveys that were delivered after the Final Conference (09 to 10/01/2024).

Out of a total of 78 participants in the meeting (according to the Attendance List), 51 responses were received (65,38% participation in the surveys). This is illustrated in Figure 9. The responses given by the participants are analysed below.
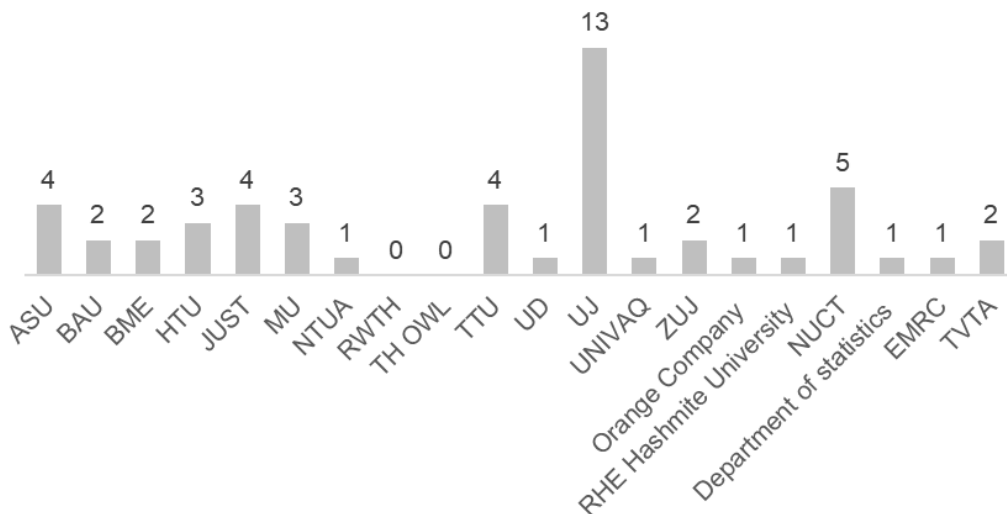

Figure 9. Number of surveys submitted per organization (N= 51).

3.2.1 Analysis of scaled questions

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36 Final Conference)								
	A- The meeting								
1	The meeting was well planned and organised.	1	0	0	10	40	95%	98%	51
		2%	0%	0%	20%	78%			100%
2	The agenda was balanced, focusing on all key aspects of the project.	1	0	0	16	34	92%	98%	51
		2%	0%	0%	31%	67%			100%
3	The participants received all information about the meeting on time.	1	2	0	10	38	92%	94%	51
		2%	4%	0%	20%	75%			100%
4	The presentations by the partners were clear and understandable.	1	0	0	13	37	93%	98%	51
		2%	0%	0%	25%	73%			100%
5	Partners were able to interact with the other project's partners.	1	0	3	13	34	91%	98%	51
		2%	0%	6%	25%	67%			100%
6	The timetable was respected.	1	0	2	13	35	92%	98%	51
		2%	0%	4%	25%	69%			100%
7	The conference room and its facilities facilitated the work during the meeting.	1	0	1	9	40	94%	98%	51
		2%	0%	2%	18%	78%			100%

Table 8. Analysis of responses on 1-5 scale for the Final Conference.
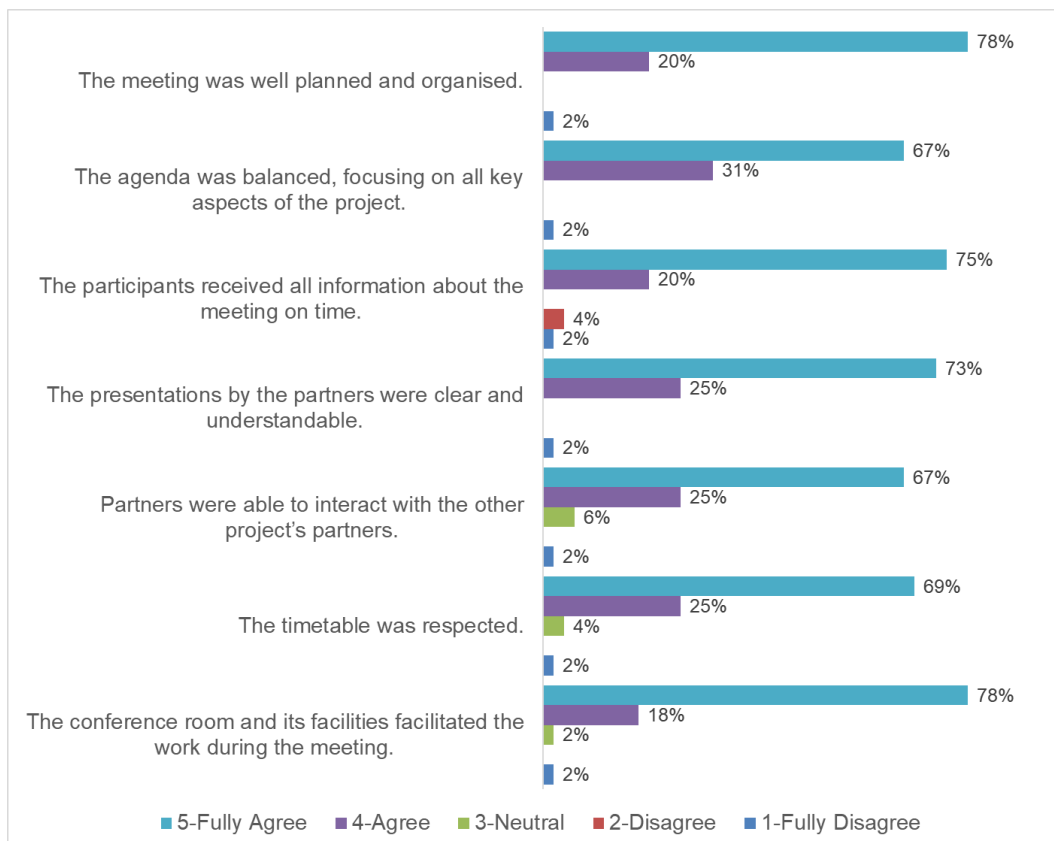
Figure 10. Analysis of responses on 1-5 scale for Final Conference.

	RESULTS (M36 Final Conference)								
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	B. After the meeting…								
8	The timescales proposed are realistic and feasible.	1	0	2	18	30	90%	98%	51
		2%	0%	4%	35%	59%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	1	0	1	17	32	91%	98%	51
		2%	0%	2%	33%	63%			100%
10	The communication between the partners was effective and clear.	1	0	1	17	32	91%	98%	51
		2%	0%	2%	33%	63%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	1	0	2	15	33	91%	98%	51
		2%	0%	4%	29%	65%			100%

Table 9. Analysis of responses on 1-5 scale for the Final Conference.
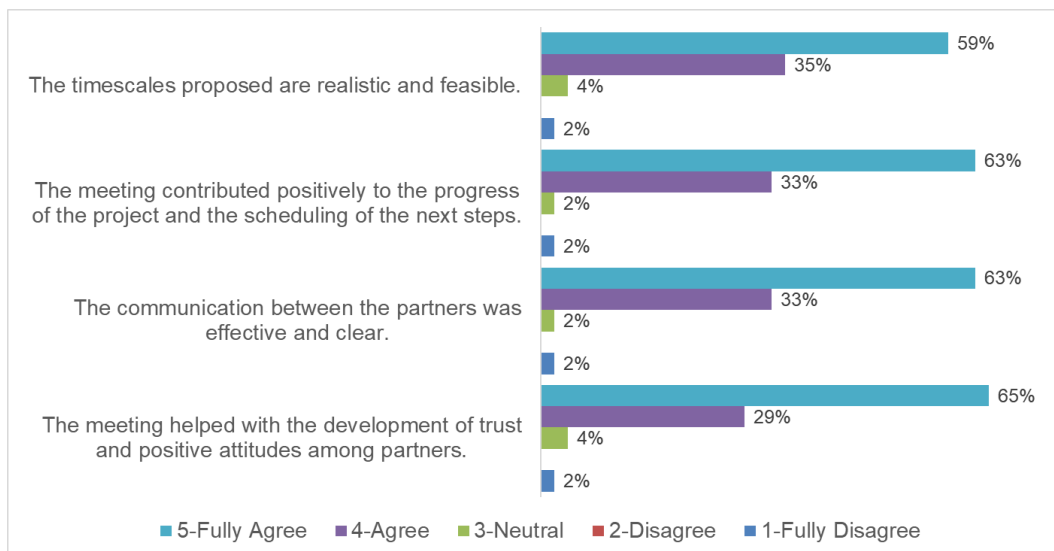
Figure 11. Analysis of responses on 1-5 scale for the Final Conference.

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:

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.

All of the items have obtained a weighted average within the range 90% - 95%.

With weighted average 95%, the highest result came for the question "The meeting was well planned and organised".

The lowest rated question was "The timescales proposed are realistic and feasible" (weighted average 90%).

4. POST WORKSHOP EVALUATION

Post-Workshop evaluation 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.

Workshop Evaluation surveys contained 11 items that covered all activities included during the meeting, separated into the following parts:

- Part 1: The Meeting.
- Part 2: The Project – After the workshop...
- Personal info.

Parts 1 and 2 of the surveys 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 surveys, 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 different types of workshops, including the "4.4 Workshop Evaluation (global results)" section which includes a comparison of the results of this period (M36) with the previous periods M12 and M24.

4.1 Staff Workshop Evaluation

The results in this report summarize the information collected in the surveys that were delivered after the Staff Workshops listed in Table 10.

Workshop	Date	No of participants	No of answers	Participation %
NTUA Staff Workshop	September 2023	11	10	90,91%
UNIVAQ Staff Workshop	September 2023	8	8	100%
Total		**19**	**18**	**94,74%**

Table 10. Staff Workshops that were evaluated during the M36 period of the project.

Out of a total of 19 participants in the workshops (according to the Attendance List), 18 responses were received, coming from all partners (94,74% participation in the survey). This is illustrated in Figure 12. The responses given by the participants are analysed below.
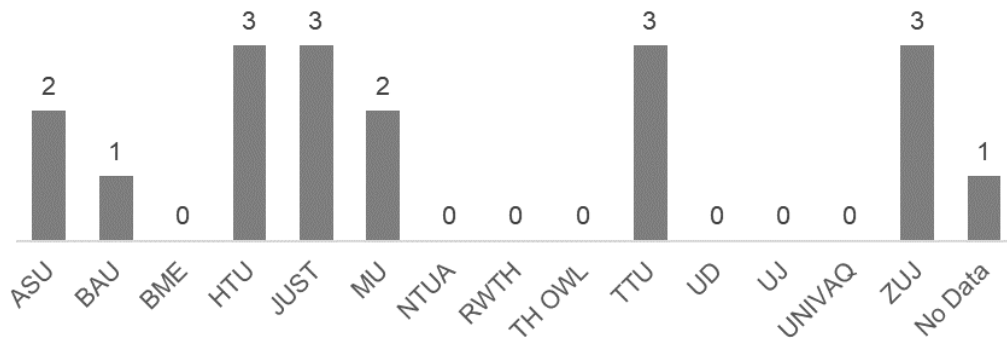

Figure 12. Number of surveys submitted per organization (N=18).

4.1.1 Analysis of scaled questions

	RESULTS (M36 Staff Workshop)							
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	A. The workshop								
1	The meeting was well planned and organised.	0	0	4	4	10	87%	100%	18
		0%	0%	22%	22%	56%			100%
2	The agenda was balanced, focusing on all key aspects of the project.	0	1	3	6	8	83%	94%	18
		0%	6%	17%	33%	44%			100%
3	The participants received all information about the meeting on time.	0	0	2	4	12	91%	100%	18
		0%	0%	11%	22%	67%			100%
4	The presentations by the partners were clear and understandable.	0	1	1	7	9	87%	94%	18
		0%	6%	6%	39%	50%			100%
5	Partners were able to interact with the other project's partners.	0	0	0	9	9	90%	100%	18
		0%	0%	0%	50%	50%			100%
6	The timetable was respected.	0	1	0	5	12	91%	94%	18
		0%	6%	0%	28%	67%			100%
7	The conference room and its facilities facilitated the work during the meeting.	0	0	2	4	12	91%	100%	18
		0%	0%	11%	22%	67%			100%

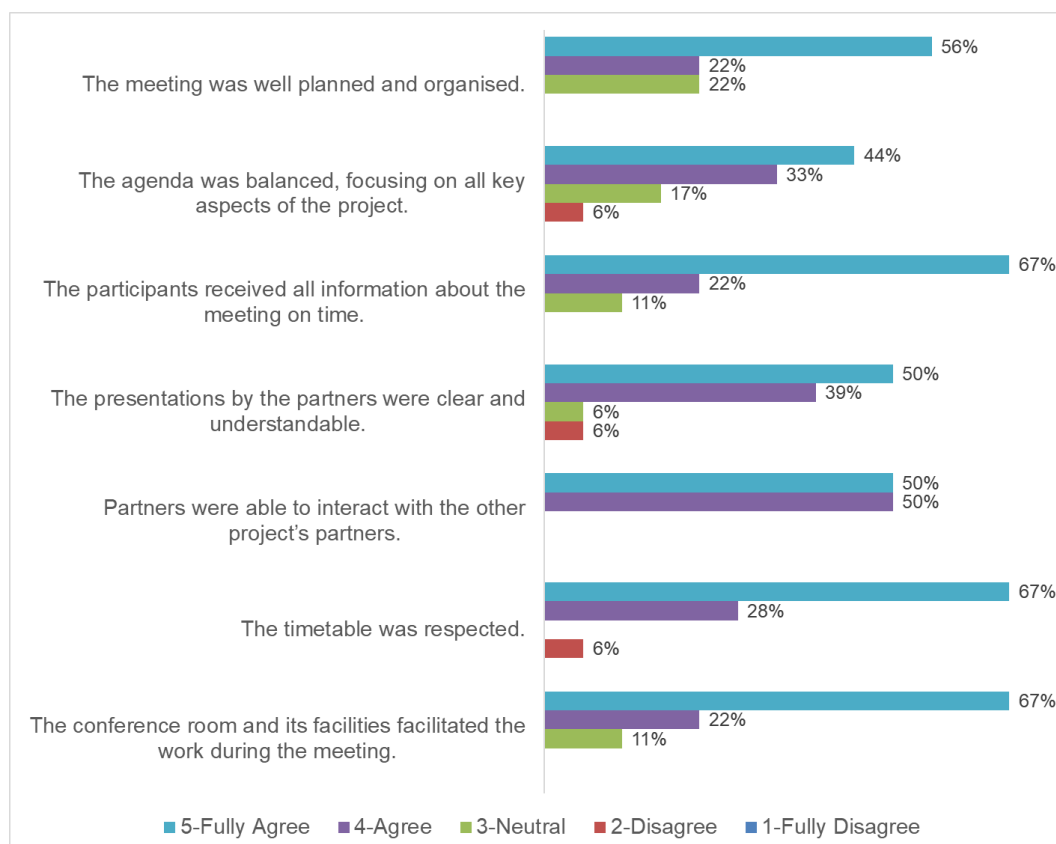Table 11. Analysis of responses on 1-5 scale for the M36 Staff Workshop.

Figure 13. Analysis of responses on 1-5 scale for the M36 Staff Workshop.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36 Staff Workshop)								
	B. The Project - After the workshop…								
8	The timescales proposed are realistic and feasible.	0	0	1	11	6	86%	100%	18
		0%	0%	6%	61%	33%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	0	0	2	8	8	87%	100%	18
		0%	0%	11%	44%	44%			100%
10	The communication between the partners was effective and clear.	0	0	0	6	12	93%	100%	18
		0%	0%	0%	33%	67%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	0	0	1	6	11	91%	100%	18
		0%	0%	6%	33%	61%			100%

Table 12. Analysis of responses on 1-5 scale for the M36 Staff Workshop.
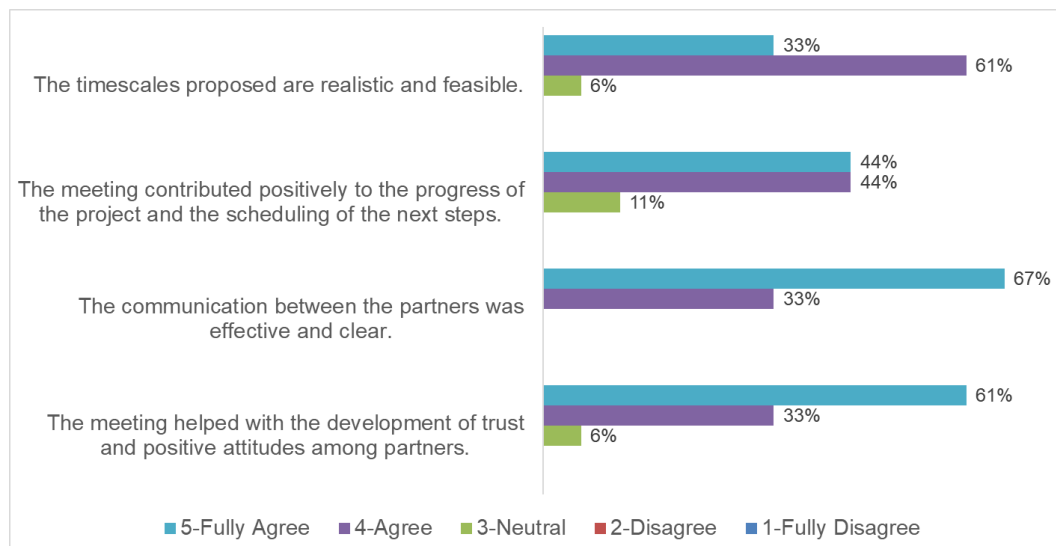
Figure 14. Analysis of responses on 1-5 scale for the M36 Staff Workshop.

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:

NTUA Staff Workshop

- Nothing.

UNIVAQ Staff Workshop
- Training did not meet my expectations at all. During the last day, there were some topics were related to cyber security and we did not have any background on and

could not understand at all. Time was limited as the lecturers could not cover all the titles in their topics. It was also necessary to cover some topics practically, but this was not done at all.

Finally, all lecturers were qualified, well prepared and professionals but the time did not serve them at all.

- Special thanks for Dr. Carlo for his efforts.

Thank you for the effort you put into this training course, and I am very happy with the important information that is provided special for Dr Carlo.

- Very excellent (ممتاز جدا).

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 83% - 93%.

With weighted average 93%, the highest result came for the question "The communication between the partners was effective and clear".

The lowest rated question was "the agenda was balanced, focusing on all key aspects of the project" (weighted average 83%).

4.2 Student Workshop Evaluation

The results in this report summarize the information collected in the surveys that were delivered after the Student Workshops listed in Table 13.

Workshop	Date	No of participants	No of answers	Participation %
UNIVAQ Student Workshop	September 2023	3	2	66,67%
BME Student Workshop	October 2023	4	4	100%
Total		**7**	**6**	**85,71%**

Table 13. Students Workshops that were evaluated during the M36 period of the project.

Out of a total of 7 participants in the workshops (according to the Attendance List), 6 responses were received, coming from all partners (85,71% participation in the survey). This is illustrated in Figure 15. The responses given by the participants are analysed below.
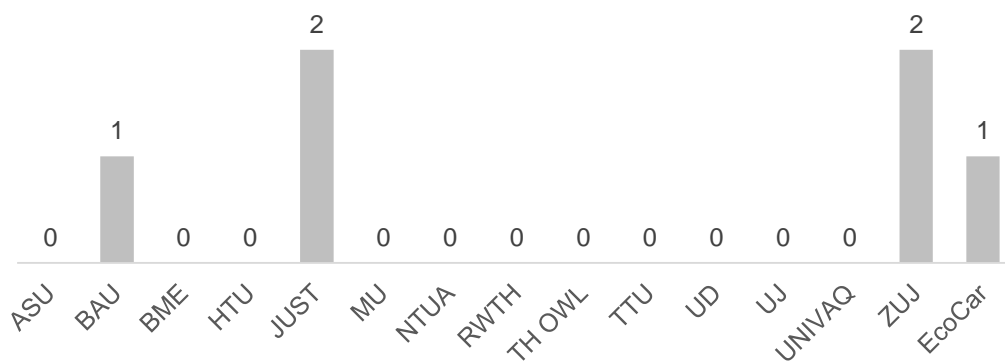
Figure 15. Number of surveys submitted per organization (N=6).

4.2.1 Analysis of scaled questions

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
RESULTS (M36 Student Workshop)									
A. The workshop									
1	The meeting was well planned and organised.	1	0	0	1	4	83%	83%	6
		17%	0%	0%	17%	67%			100%
2	The agenda was balanced, focusing on all key aspects of the project.	1	0	0	1	4	83%	83%	6
		17%	0%	0%	17%	67%			100%
3	The participants received all information about the meeting on time.	1	0	0	1	4	83%	83%	6
		17%	0%	0%	17%	67%			100%
4	The presentations by the partners were clear and understandable.	1	0	0	1	4	83%	83%	6
		17%	0%	0%	17%	67%			100%
5	Partners were able to interact with the other project's partners.	1	0	0	0	5	87%	83%	6
		17%	0%	0%	0%	83%			100%
6	The timetable was respected.	1	0	0	1	4	83%	83%	6
		17%	0%	0%	17%	67%			100%
7	The conference room and its facilities facilitated the work during the meeting.	1	0	0	0	5	87%	83%	6
		17%	0%	0%	0%	83%			100%

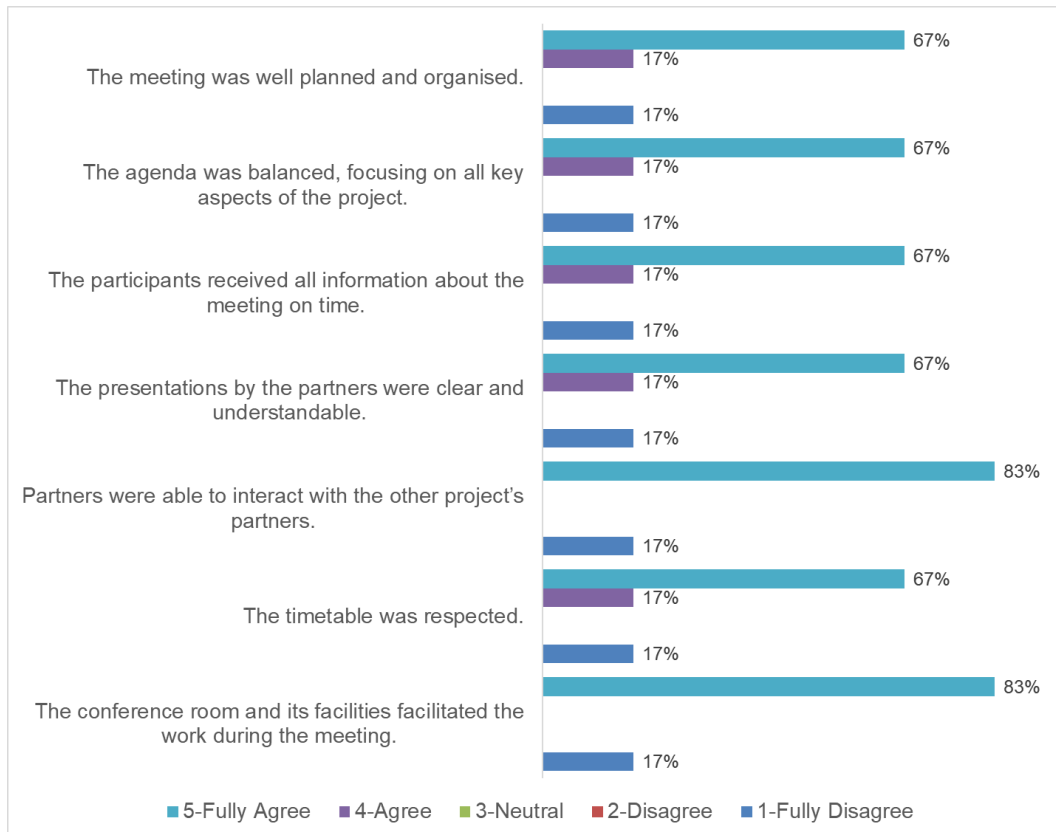Table 14. Analysis of responses on 1-5 scale for the M36 Student´s Workshop.

Figure 16. Analysis of responses on 1-5 scale for M36 Student´s Workshop.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36 Student Workshop)								
	B. The Project - After the workshop…								
8	The timescales proposed are realistic and feasible.	1	0	1	0	4	80%	83%	6
		17%	0%	17%	0%	67%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	1	0	1	1	3	77%	83%	6
		17%	0%	17%	17%	50%			100%
10	The communication between the partners was effective and clear.	1	0	1	1	3	77%	83%	6
		17%	0%	17%	17%	50%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	1	0	1	2	2	73%	83%	6
		17%	0%	17%	33%	33%			100%

Table 15. Analysis of responses on 1-5 scale for the M36 Student´s Workshop.
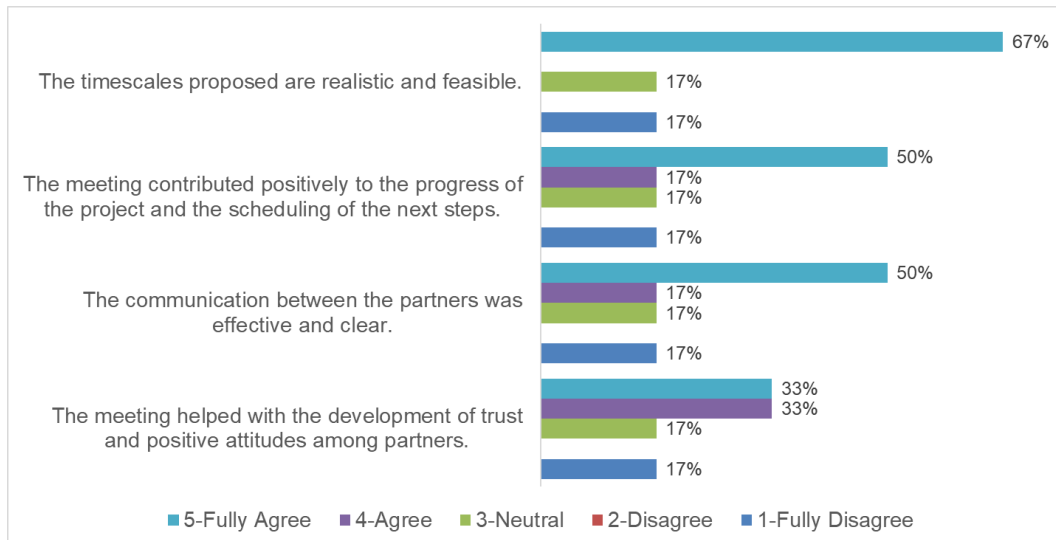
Figure 17. Analysis of responses on 1-5 scale for the M36 Student´s Workshop.

4.2.2 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:

UNIVAQ Student Workshop

- It was an amazing and great training.

4.2.3 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.

All of the items have obtained a weighted average within the range 73% - 87%.

With weighted average 87%, the highest result came for the questions "Partners were able to interact with the other project´s partners" and "The conference room and its facilities facilitated the work during the meeting".

The lowest rated question was "The meeting helped with the development of trust and positive attitudes among partners" (weighted average 73%).

4.3 Tuning Workshop Evaluation

For the survey that was delivered after Tuning Workshop (14 to 15/11/2023), 19 responses were received coming from the 34 participants in the survey (55,88%

participation in the survey). This is illustrated in Figure 18. The responses given by the participants are analysed below.
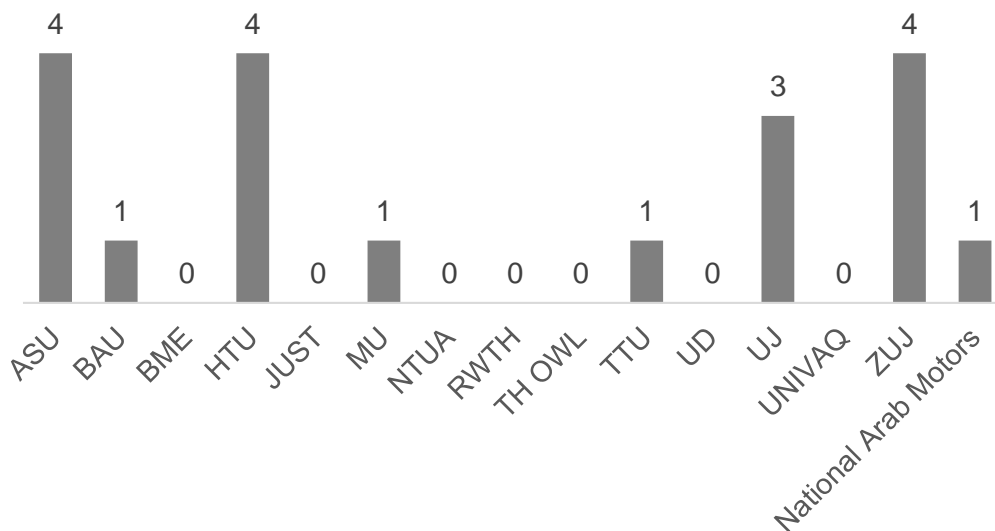

Figure 18. Number of surveys submitted per organization (N=19).

4.3.1 Analysis of scaled questions

RESULTS (M36 Tuning Workshop)								
	1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
A. The workshop								
1 The meeting was well planned and organised.	1	0	0	5	13	91%	95%	19
	5%	0%	0%	26%	68%			100%
2 The agenda was balanced, focusing on all key aspects of the project.	1	1	0	5	12	87%	89%	19
	5%	5%	0%	26%	63%			100%
3 The participants received all information about the meeting on time.	1	0	2	3	13	88%	95%	19
	5%	0%	11%	16%	68%			100%
4 The presentations by the partners were clear and understandable.	1	0	1	2	15	92%	95%	19
	5%	0%	5%	11%	79%			100%
5 Partners were able to interact with the other project's partners.	1	0	0	6	12	89%	95%	19
	5%	0%	0%	32%	63%			100%
6 The timetable was respected.	1	1	1	4	12	86%	89%	19
	5%	5%	5%	21%	63%			100%
7 The conference room and its facilities facilitated the work during the meeting.	1	0	0	3	15	93%	95%	19
	5%	0%	0%	16%	79%			100%

Table 16. Analysis of responses on 1-5 scale for the M36 Tuning Workshop.
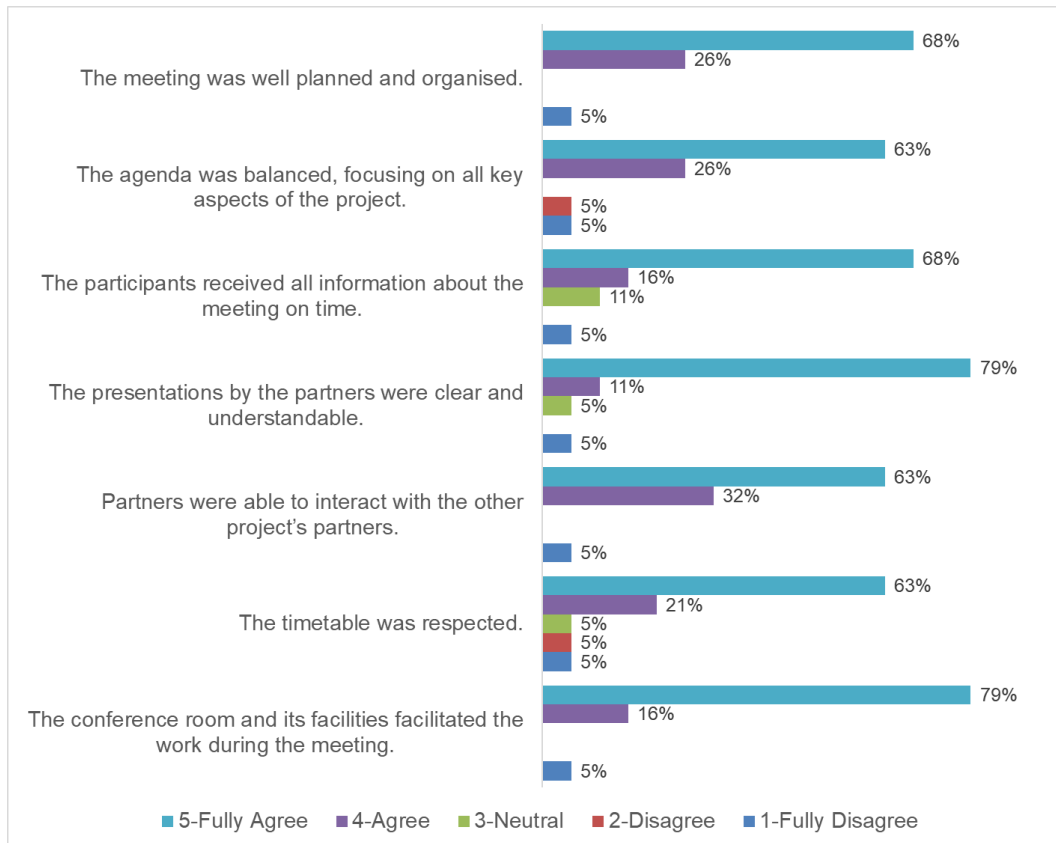
Figure 19. Analysis of responses on 1-5 scale for M36 Tuning Workshop.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
RESULTS (M36 Tuning Workshop)									
B. The Project - After the workshop…									
8	The timescales proposed are realistic and feasible.	1	0	1	5	12	88%	95%	19
		5%	0%	5%	26%	63%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	1	0	2	6	10	85%	95%	19
		5%	0%	11%	32%	53%			100%
10	The communication between the partners was effective and clear.	1	0	0	5	13	91%	95%	19
		5%	0%	0%	26%	68%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	1	0	0	5	13	91%	95%	19
		5%	0%	0%	26%	68%			100%

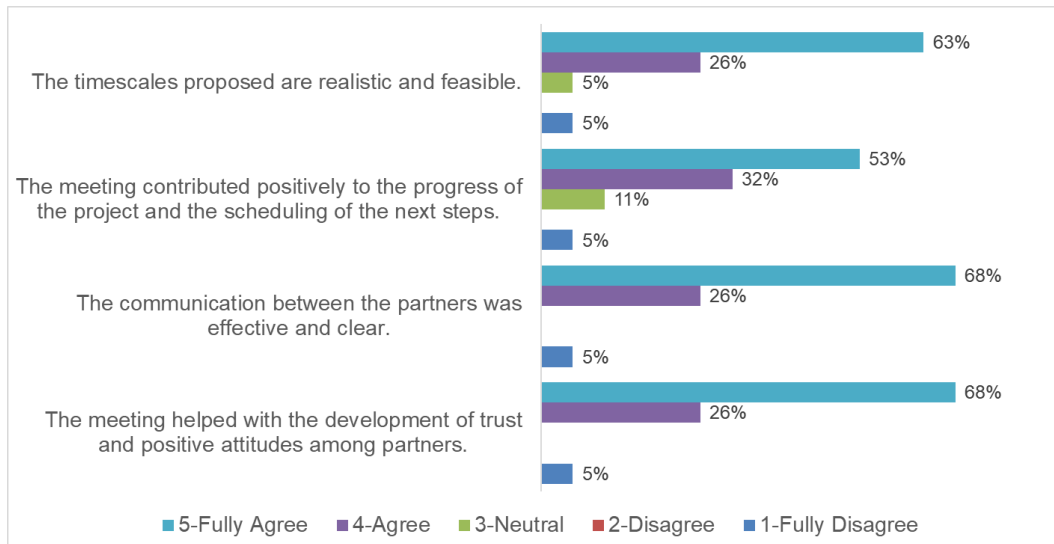Table 17. Analysis of responses on 1-5 scale for the M36 Tuning Workshop.

Figure 20. Analysis of responses on 1-5 scale for the M36 Tuning Workshop.

4.3.2 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.
- Thanks.
- ...
- Thank you for your efforts and support.
- Thank you.

4.3.3 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% - 93%.

With weighted average 93%, the highest result came for the question "The conference room and its facilities facilitated the work during the meeting".

The lowest rated question was "The meeting contributed positively to the progress of the project and the scheduling of the next steps" (weighted average 85%).

4.4 Workshop Evaluation (global results)

The responses given by the participants of all the workshops celebrated during M36 period are analysed below.

4.4.1 Analysis of scaled questions

	RESULTS (M36 Workshops -Global Results)							
		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	A. The workshop								
1	The meeting was well planned and organised.	2	0	4	10	27	88%	95%	43
		5%	0%	9%	23%	63%			100%
2	The agenda was balanced, focusing on all key aspects of the project.	2	2	3	12	24	85%	91%	43
		5%	5%	7%	28%	56%			100%
3	The participants received all information about the meeting on time.	2	0	4	8	29	89%	95%	43
		5%	0%	9%	19%	67%			100%
4	The presentations by the partners were clear and understandable.	2	1	2	10	28	88%	93%	43
		5%	2%	5%	23%	65%			100%
5	Partners were able to interact with the other project's partners.	2	0	0	15	26	89%	95%	43
		5%	0%	0%	35%	60%			100%
6	The timetable was respected.	2	2	1	10	28	88%	91%	43
		5%	5%	2%	23%	65%			100%
7	The conference room and its facilities facilitated the work during the meeting.	2	0	2	7	32	91%	95%	43
		5%	0%	5%	16%	74%			100%

Table 18. Analysis of responses on 1-5 scale for the M36 Workshops.
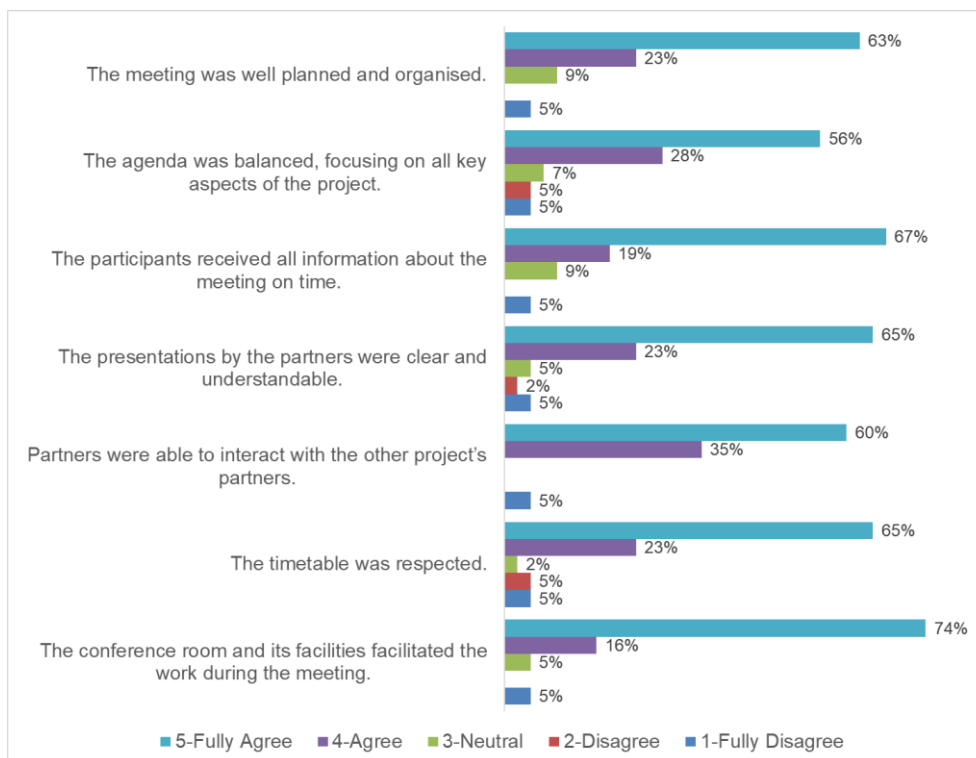
Figure 21. Analysis of responses on 1-5 scale for M36 Workshops.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36 Workshops -Global Results)								
	B. The Project - After the workshop…								
8	The timescales proposed are realistic and feasible.	2	0	3	16	22	86%	95%	43
		5%	0%	7%	37%	51%			100%
9	The meeting contributed positively to the progress of the project and the scheduling of the next steps.	2	0	5	15	21	85%	95%	43
		5%	0%	12%	35%	49%			100%
10	The communication between the partners was effective and clear.	2	0	1	12	28	90%	95%	43
		5%	0%	2%	28%	65%			100%
11	The meeting helped with the development of trust and positive attitudes among partners.	2	0	2	13	26	88%	95%	43
		5%	0%	5%	30%	60%			100%

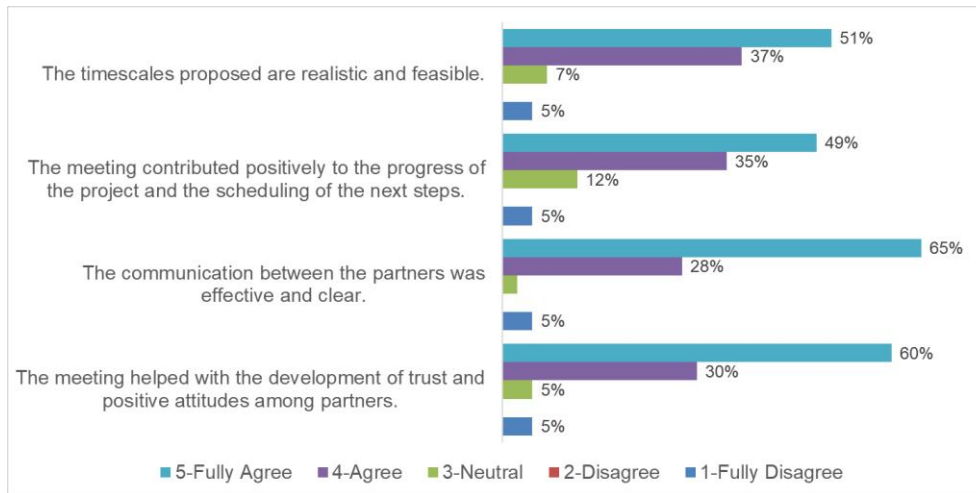Table 19. Analysis of responses on 1-5 scale for the M36 Workshops.

Figure 22. Analysis of responses on 1-5 scale for the M36 Workshops.

4.4.2 Overall Conclusions

Having analysed the items of the M12, M24 and M36 annual reports, it can be concluded that, in general, an increase in satisfaction levels is observed in all of them.

It is worth mentioning that all items are in line with expectations, being the value of the weighted average of all items more than 70%.

5. POST UNIVERSITY VISIT EVALUATION

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

After each visit an evaluation survey was conducted, asking those who attended the training 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 visit 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.

"University Visit Evaluation" surveys 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, that 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 surveys, 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.

5.1 University Visit Evaluation (AACHEN)

The results in this point summarize the information collected in the surveys that were delivered after AACHEN Visits (august 2023) listed in Table 20.

AACHEN Visits	Date	No of participants	No of answers	Participation %
ASU University Visit	August (2023)	52	31	59,62%
HTU University Visit	August (2023)	27	6	22,22%
MU University Visit	August (2023)	41	14	34,15%
ZUJ University Visit	August (2023)	30	15	50,00%
Total		**150**	**66**	**44,00%**

Table 20. Students Workshops that were evaluated during the M36 period of the project.

Out of a total of 150 participants in the workshops (according to the Attendance List), 66 responses were received, coming from all partners (44,00% participation in the survey). This is illustrated in Figure 23. The responses given by the participants are analysed below.
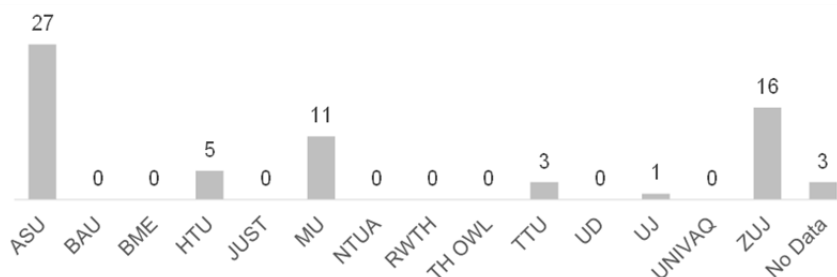

Figure 23. Number of surveys submitted per organization (N=66).

5.1.1 Analysis of scaled questions

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
	RESULTS (M36 University Visits-AACHEN)								
	1- Overall Training Experience								
1	The meeting was well planned and organised.	5	0	7	15	39	85%	92%	66
		8%	0%	11%	23%	59%			100%
2	The training facilities were adequate and comfortable.	5	3	4	15	38	84%	88%	65
		8%	5%	6%	23%	58%			100%
3	The technical resources used were satisfactory.	4	1	7	16	37	85%	92%	65
		6%	2%	11%	25%	57%			100%
4	The materials provided were helpful.	4	1	5	12	42	87%	92%	64
		6%	2%	8%	19%	66%			100%
5	The objectives of the training were clearly defined and met.	4	1	6	13	41	86%	92%	65
		6%	2%	9%	20%	63%			100%
6	The study tours were useful and had an added value in the whole training.	5	1	8	14	37	84%	91%	65
		8%	2%	12%	22%	57%			100%
7	The training content was well organised.	4	0	8	13	40	86%	94%	65
		6%	0%	12%	20%	62%			100%
8	The topics of the training were clear and easy to follow.	3	0	9	13	39	87%	95%	64
		5%	0%	14%	20%	61%			100%
9	The length of training was sufficient.	2	3	12	11	37	84%	92%	65
		3%	5%	18%	17%	57%			100%
10	The training enhanced my understanding on the subject.	4	2	8	16	35	83%	91%	65
		6%	3%	12%	25%	54%			100%
11	The training was relevant to my needs.	3	1	10	13	37	85%	94%	64
		5%	2%	16%	20%	58%			100%
12	The training will be useful to me and my professional growth.	4	0	11	9	41	86%	94%	65
		6%	0%	17%	14%	63%			100%
13	The training met my expectations.	5	1	9	13	37	83%	91%	65
		8%	2%	14%	20%	57%			100%

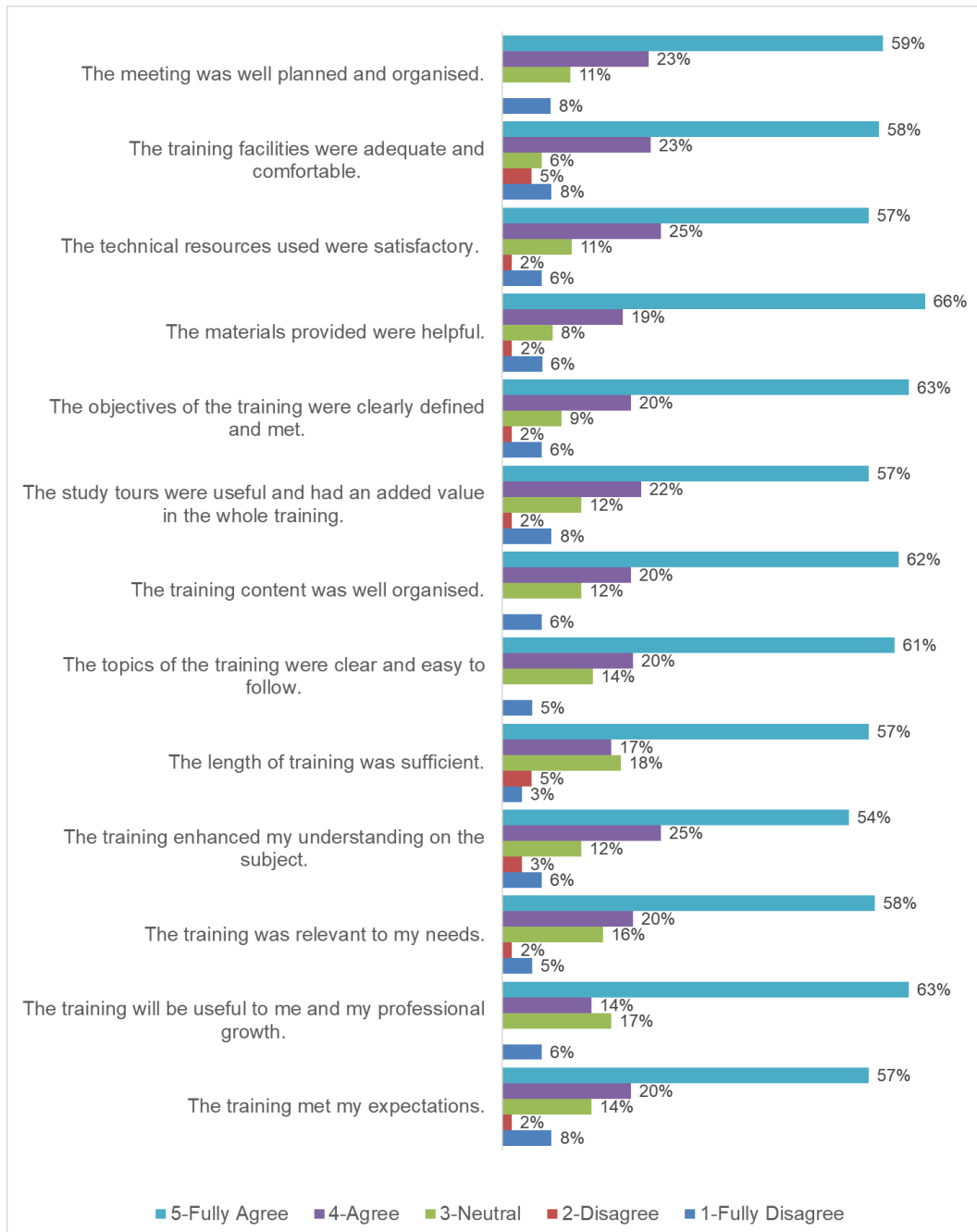Table 21. Analysis of responses on 1-5 scale for the M36 AACHEN University Visits.

Figure 24. Analysis of responses on 1-5 scale for M36 AACHEN University Visits.

RESULTS (M36 University Visits-AACHEN)								
	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.	4	2	7	13	39	85%	91%	65
	6%	3%	11%	20%	60%			100%
15 The trainer succeeded to explain and illustrate concepts.	3	1	8	15	38	86%	94%	65
	5%	2%	12%	23%	58%			100%
16 The topics were presented in a clear and understandable manner.	3	1	8	16	36	85%	94%	64
	5%	2%	13%	25%	56%			100%
17 The trainer encouraged participation, interaction and answered questions clearly.	4	2	10	16	33	82%	91%	65
	6%	3%	15%	25%	51%			100%
18 The trainer's communication style kept me focused and interested.	4	2	8	15	36	84%	91%	65
	6%	3%	12%	23%	55%			100%

Table 22. Analysis of responses on 1-5 scale for the M36 AACHEN University Visits.
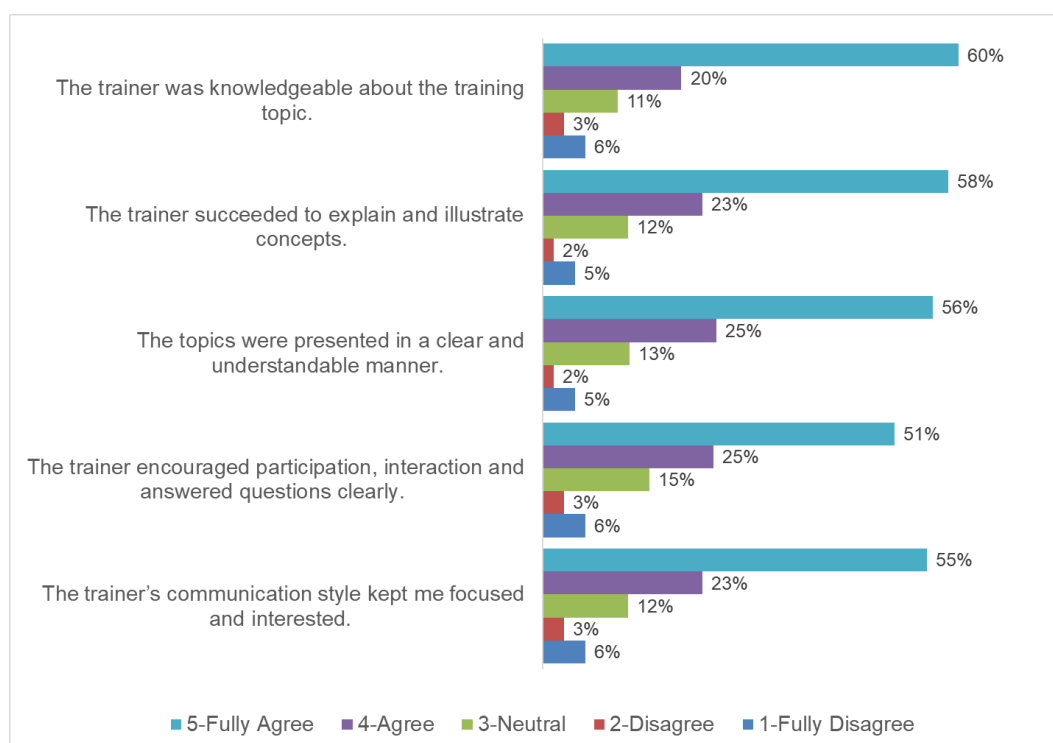

Figure 25. Analysis of responses on 1-5 scale for the M36 AACHEN University Visits.

5.1.2 Open ended questions

Was this training appropriate for your level of experience?
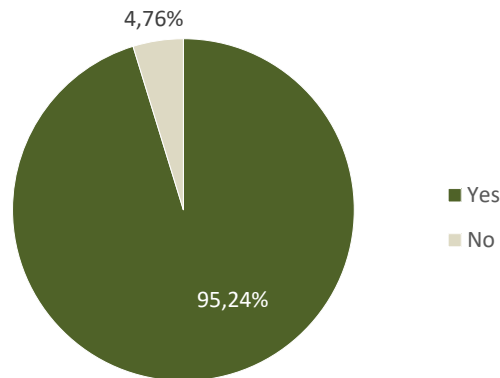
4,76%

95,24%

- Yes
- No

Figure 26. Percentage of responses Yes / No scale (M36 AACHEN University Visits).

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

ASU University Visit

- Nothing.
- ...
- Recycling.
- They don't go deeply in hybrid cars.
- All are covered.
- All was covered well.
- No.
- Nothing.
- No.
- Everything was covered very great.
- Nothing.
- Petrol.
- Everything was covered sufficiently.
- That electric vehicles can not dominate the combustion fuel vehicles.
- Nothing.
- Nothing.
- There are no particular topics uncovered.
- Nothing.
- With how many years can we normalise and using hybrid and eco almost and safely also, and What criteria do we consider when buying a fully electric or hybrid car.

HTU University Visit

- All topics were fully recovered.
- All was good.
- -

MU University Visit

- So far everything was enough for tge given time period.
- Nothing.
- -.
- Nothing.
- I think more about battery mentance.

ZUJ University Visit

- None.
- Nothing.
- No thing.
- -.
- None.
- They were all covered well.
- All topics were sufficiently covered.
- Density was a bit challenging to follow.
- Everything was covered clearly.

Which topics were not relevant in your opinion?

ASU University Visit

- Nothing.
- ..
- Non.
- No.
- All are relevant.
- None.
- .
- Good.
- No.
- There was no topic I can say here.
- Nothing.
- Nothing.
- Non.
- Chemical properties of each material.
- Nothing.
- Nothing.
- None.
- Nothing.
- ..

HTU University Visit

- None.
- None.
- Nothing.

![ECO-CAR logo]
Co-funded by the
Erasmus+ Programme
of the European Union

MU University Visit

- Nothing.
- -.
- Nothing.
- All topics are relevant.

ZUJ University Visit

- None.
- Nothing.
- Buttery in ship.
- -.
- None.
- Ever.
- I don't think that there were any irrelevant topics !!!.
- I don't think there was any odd or weird topics.
- N/A.

What did you like best about the training?

ASU University Visit

- Everything.
- ..
- Presenters.
- Great describe.
- The way of presenting of the presenters.
- .
- Lithium battery.
- A lot of thing to be honest.
- Germany DE.
- Batteries models.
- .
- That electric vehicles can not succeed combustion fuel vehicles.
- Everything.
- There were a lot of valuable things I can't really pick 1.
- Everything.
- Explaining battery components and their costs.

HTU University Visit

- The presentation and the knowledge of the presenter.
- Excellent information from an expert. We are developing an e-mobility training course. This fits very well.
- The deep knowledge of the trainer.
- Comprehensive detailed overview.

ECO-CAR
Vocational Training Diploma on Electrical and Hybrid Vehicles

Co-funded by the
Erasmus+ Programme
of the European Union

MU University Visit

- All.
- -.
- Clear ideas and best representation.
- Basic information in specific topics.

ZUJ University Visit

- Type of bettery system.
- Presentation.
- Eco car.
- Eco car.
- Clear.
- The useful information.
- Batteries classification.
- The trainer has a very good knowledge of the topics that were covered.
- Battery types.
- New topic.

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

ASU University Visit

- Nothing.
- ...
- Non.
- .
- .
- No.
- It was perfection.
- Make like this courses always.
- Nothing.
- .
- Make a full A-Z comparison between electric vehicles and combustion fuel vehicles.
- Everything was perfect.
- None.
- Nothing.
- To be held on a date more commensurate with the students' appointments, and not to interrupt the Lecturer to offer the attendees fill out the survey, or any reason not related to the subject.

HTU University Visit

- All is good.
- Using new training strategies, and use different methods of teaching during the presentation (like videos, case studies, ..).

MU University Visit

- Non.
- -.
- It is all good.
- Practical training.

ZUJ University Visit

- None.
- No.
- No thing.
- -.
- To use a real objects of batteries.
- Should add videos to make the training more interesting and easier.
- In my opinion, I think that it would be great if some videos were provided,, in order to make the presentation more interesting.
- If it is applicable to have a battery prototype that can be assembled, which will help to show the inside components of the battery.

Reviewer´s Name and Position

ASU University Visit

- Student
- Industrial Engineer
- Mohammed - Student
- AHMED ABUSHAB - Student
- Student at asu
- Shafiq Naji - Student
- Engineer
- Abdelrahman Salam Alabdallat - Student
- Mohammad alkhresha - Hybrid engineering
- Khalid shinnawi - Student
- Student
- Yousif Basheer - Student
- Noor Allowzi - It was excellent and full of spoiler information
- Abdelrahman Alabdallat - Student.
- Noor Allowzi - It was excellent and full of useful information

HTU University Visit

- Student
- Omar Ashhab - Student
- Tarek Tutunji - Dean
- Othman AlKhadra - Student

MU University Visit

- Muna Fahid AbuAbdoun - Engineering student
- Dr. Ahmad Mostafa
- Omer Maaitah - Staff

- Civil engineering
- Dr
- Dr Hesham Alsalem - Assistance professor at tafila technical university
- Nehal Mohammad hammad - Students
- Wail Adaileh - Professor
- Ra'd Marabheh - Lab supervisor
- Walaa - Lab supervisor

ZUJ University Visit

- Student
- Mai - Lecturer
- Anwar tarawneh - Lecturer
- -
- Moayad khashan - Lab supervisor (Mechanical Engineer)
- George Al Ghishan - Engineer
- Laboratory Supervisor
- Student
- Assistant professor

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 82% - 87%.

With weighted average 87%, the highest result came for the questions "The material provided were helpful" and "The topics of the training were clear and easy to follow".

The lowest rated question was "The trainer encouraged participation, interaction and answered questions clearly" (weighted average 82%).

5.2 University Visit Evaluation (BME)

The results in this point summarize the information collected in the surveys that were delivered after BME Visits (December 2023) listed in Table 23.

BME Visits	Date	No of participants	No of answers	Participation %
JUST University Visit	December (2023)	84	53	63,10%
UJ University Visit	December (2023)	62	41	66,13%
Total		**146**	**94**	**64,38%**

Table 23. BME Visits that were evaluated during the M36 period of the project.

Out of a total of 146 participants in the workshops (according to the Attendance List), 94 responses were received, coming from all partners (64,38% participation in the survey). This is illustrated in Figure 27. The responses given by the participants are analysed below.
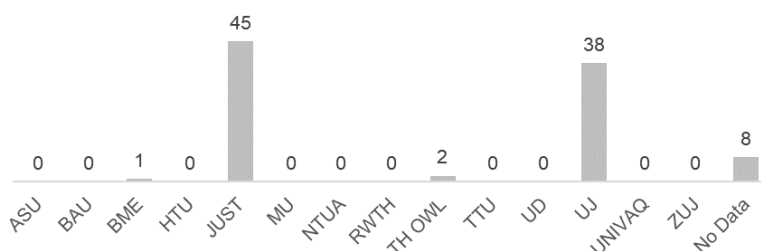

Figure 27. Number of surveys submitted per organization (N=94).

5.2.1 Analysis of scaled questions

	RESULTS (M36 University Visits-BME)							
		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.	14	2	8	23	47	79%	83%	94
		15%	2%	9%	24%	50%			100%
2	The training facilities were adequate and comfortable.	16	2	8	22	46	77%	81%	94
		17%	2%	9%	23%	49%			100%
3	The technical resources used were satisfactory.	16	1	9	17	51	78%	82%	94
		17%	1%	10%	18%	54%			100%
4	The materials provided were helpful.	16	3	7	18	50	78%	80%	94
		17%	3%	7%	19%	53%			100%
5	The objectives of the training were clearly defined and met.	14	4	8	16	52	79%	81%	94
		15%	4%	9%	17%	55%			100%
6	The study tours were useful and had an added value in the whole training.	17	3	5	18	51	78%	79%	94
		18%	3%	5%	19%	54%			100%
7	The training content was well organised.	16	2	7	19	50	78%	81%	94
		17%	2%	7%	20%	53%			100%
8	The topics of the training were clear and easy to follow.	17	2	5	16	52	78%	79%	92
		18%	2%	5%	17%	57%			100%
9	The length of training was sufficient.	14	4	8	21	47	78%	81%	94
		15%	4%	9%	22%	50%			100%
10	The training enhanced my understanding on the subject.	15	3	8	19	48	78%	81%	93
		16%	3%	9%	20%	52%			100%
11	The training was relevant to my needs.	15	4	8	20	45	77%	79%	92
		16%	4%	9%	22%	49%			100%
12	The training will be useful to me and my professional growth.	17	1	7	17	52	78%	81%	94
		18%	1%	7%	18%	55%			100%
13	The training met my expectations.	15	3	8	20	48	78%	81%	94
		16%	3%	9%	21%	51%			100%

Table 24. Analysis of responses on 1-5 scale for the M36 BME University Visits.
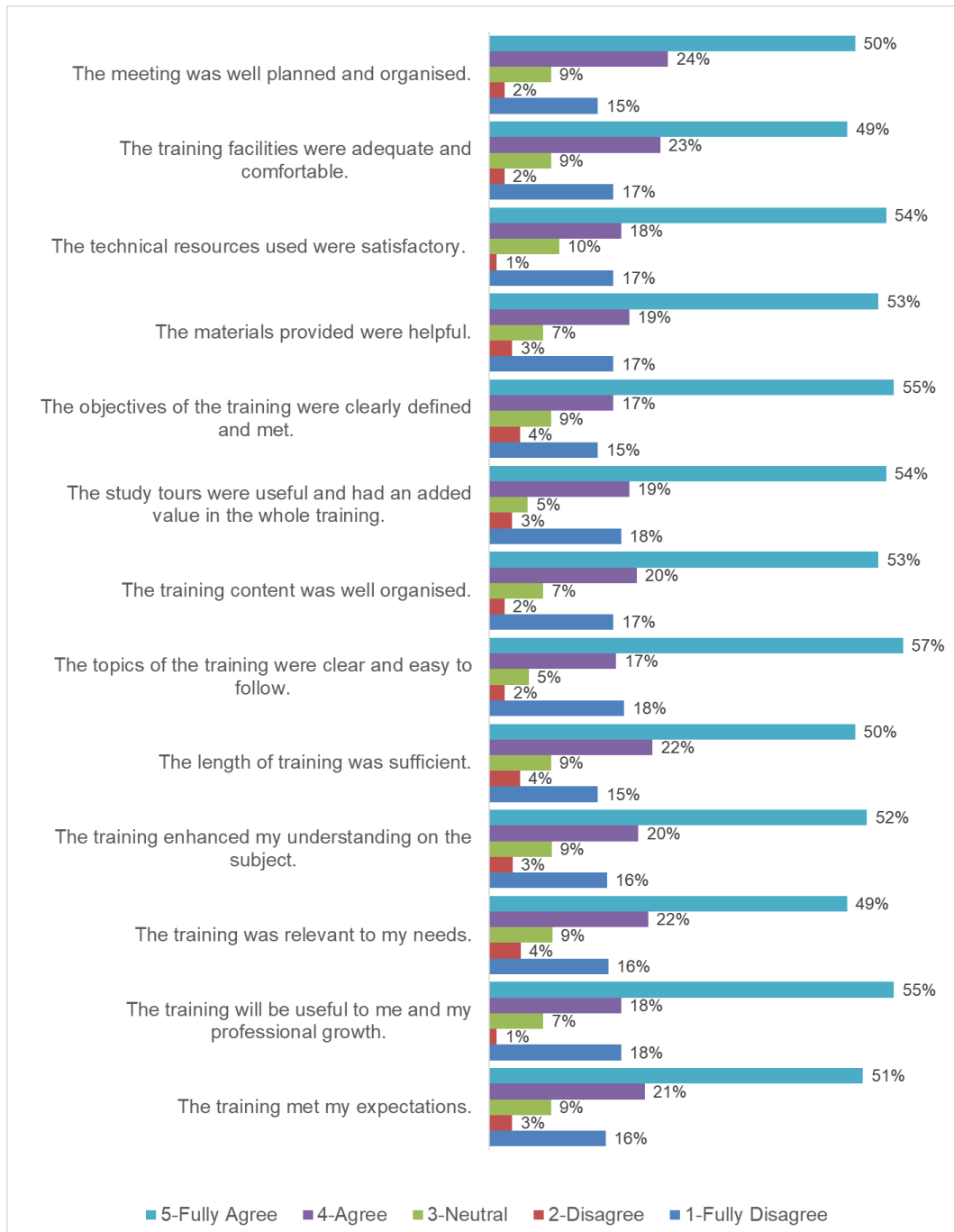
Figure 28. Analysis of responses on 1-5 scale for M36 BME University Visits.

RESULTS (M36 University Visits-BME)								
	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.	14	5	10	15	50	77%	80%	94
	15%	5%	11%	16%	53%			100%
15 The trainer succeeded to explain and illustrate concepts.	14	6	8	17	48	77%	78%	93
	15%	6%	9%	18%	52%			100%
16 The topics were presented in a clear and understandable manner.	16	2	12	15	47	76%	80%	92
	17%	2%	13%	16%	51%			100%
17 The trainer encouraged participation, interaction and answered questions clearly.	15	3	9	20	46	77%	81%	93
	16%	3%	10%	22%	49%			100%
18 The trainer's communication style kept me focused and interested.	14	4	12	13	50	77%	81%	93
	15%	4%	13%	14%	54%			100%

Table 25. Analysis of responses on 1-5 scale for the M36 BME University Visits.
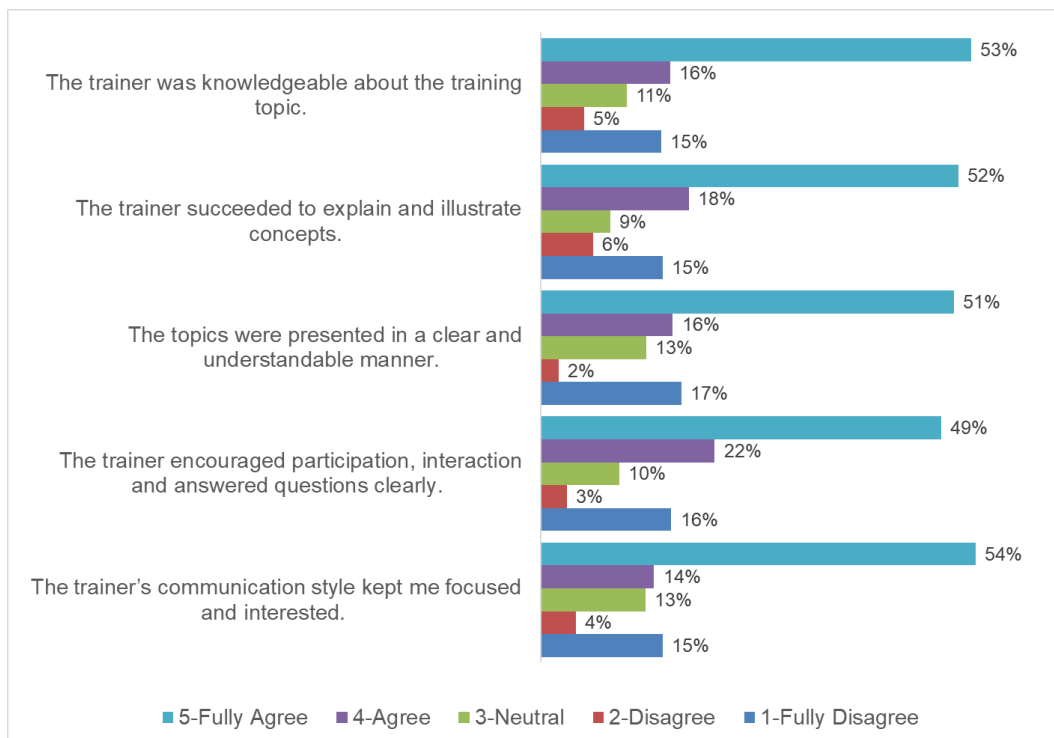
Figure 29. Analysis of responses on 1-5 scale for the M36 BME University Visits.

![ECO-CAR logo - Vocational Training Diploma on Electrical and Hybrid Vehicles]

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5.2.2 Open ended questions

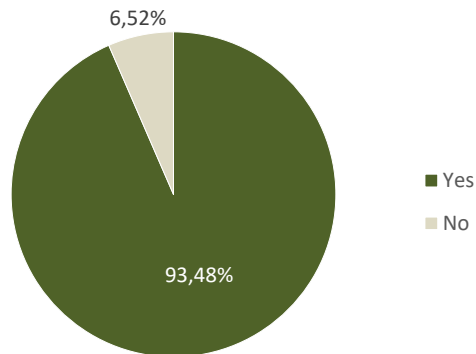### Was this training appropriate for your level of experience?

Figure 30. Percentage of responses Yes / No scale (M36 BME University Visits).

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

- No thing.
- None.
- .
- Nothing.
- .
- ..
- Noting.
- The carbon emissions from the manufacturing facilities.
- Taking into account the pollution from the production of the batteries.
- None.
- …
- Non.
- Carbon emittions from factors.
- ..
- Non.
- Nothing.
- All topics are coverd.
- EV cars.
- None.
- Nathing.
- .
- All was covered.
- Nothing.
- Nothing.
- He covered all i think.
- .
- All was covered.

- Exo car.
- ..
- Nothing ,every thing were covered.
- Benefits and negatives for this.
- Nothing.

UJ University Visit
- Traffic control.
- Nothing.
- Car new technologies.
- None.
- Hybrid and electric.
- Need more technical details.
- Everything was covered.
- Nothing.
- All topics were covered.
- Nothing needed.
- H.
- Znnb.
- Yhe fuel.
- .
- No one.
- None.
- Nothing.
- Nothing.
- The capabilities of the labs in Spain and how it reflects on the development of vehicles.
- Not thing.

Which topics were not relevant in your opinion?

JUST University Visit
- No thing.
- None.
- .
- Nothing.
- .
- ..
- Noting.
- Nothing.
- None
- None.
- …
- Non.
- None.

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- Non.
- -
- Nothing.
- All topics are televant.
- None.
- Nathing.
- .
- Questions.
- Nothing.
- No problem.
- All the topics were relevant.
- .
- Nth.
- .
- ..
- Nothing.
- Percentage of eco cars.
- Nothing.

UJ University Visit

- Fuel consumption.
- Nothing.
- Transportation.
- None.
- Bo.
- There are nothings.
- Hybrid one.
- Nothing.
- Nothing.
- Everything was relevant.
- H.
- Nothing.
- Bxbsb.
- Nothing.
- .
- Second one.
- All.
- Nothing.
- NA.
- None.
- Ai.

What did you like best about the training?

JUST University Visit

- Ever thing.
- How doc explains and deals with students.
- .
- Everything.
- .
- His outfit.
- The way of engagement.
- Learning new things.
- …
- Presentation of The dector.
- Everything.
- Everything.
- Everything.
- -
- Go to the laboratory.
- The information.
- New area for reducing air pollution.
- .
- Everything.
- .
- Yes.
- More time.
- Know about eco car.
- Every thing.
- .
- Fun questions.
- Good.
- ..
- Everything.
- The instructor.
- The presence of interactive means between the audience and the presenter through the Classpoint application, which led to effective feedback and interaction between us.

UJ University Visit

- Calm and well spoken.
- ..
- All of it.
- Electrical car.
- Car.
- Everything.
- Everything.

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- Gained tremendous knowledge about different workshops to do internationally.
- Everything was perfect.
- H.
- Nothing.
- Ndhe.
- The doctors.
- .
- Amazing.
- All.
- Everything.
- The interactive aspect.
- About the renewable energy.
- The doctors.

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

JUST University Visit

- Good.
- None.
- .
- Everything was so good.
- .
- ..
- Don't have any suggestions.
- Nothing.
- None.
- Making more events like this.
- …
- None.
- .
- -
- V.
- .
- Nathing.
- .
- No one.
- I don't know.
- .
- .
- Nth it was perfect.
- Not thing.
- .
- ….
- …
- .

- More instructors for different topics.
- It is very good.
- None.
- Elec.
- Its give a basic about eco car.
- Nothing need.
- Nothing.
- Contests between lectures.
- No.
- H.
- Nothing.
- Nxhsh.
- Nothing.
- .
- Nothing.
- Yes.
- Nothing.
- Na.
- Not thing.

Reviewer´s Name and Position

JUST University Visit

- Sami
- .
- Student
- .
- Tuqa
- Mohammad Idhoon
- رواء ابراهيم عبدالله يحيى (Roaa Ibrahim Abdullah Yahya)
- Value of X - Student
- Yousef – Student
- Student
- Omar zarraq - Master student
- …
- Shatha - Student
- Abdallah znahreh - 161787
- Mahmoud - Student
- Iryam Alsharif - Student
- Waleed - Mrs student
- Khalifa Alzoubi - Student
- .
- Nathing - Nathing
- Tuqa
- ashraf sakaji

ECO-CAR
Vocational Training Diploma on Electrical and Hybrid Vehicles

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- Sondos Al diabat - Student
- Omar alebbini - Student b.c
- (Ahmed Khalid al-Beik) احمد خالد البيك
- .
- Leen Dawas - Student in chemical engineering
- Reem Almasri - Irbid -just
- (Irbid) اريد - (Anas Adel Mahmoud Alhussainat) أنس عادل محمود الحسينات
- Saif eddin
- Abdullah Kilani - JUST
- Mohammad almomani - Jordan
- Rahaf Suleiman - Jerash-Jordan

UJ University Visit

- Mohammad Abdallah Shweiki - Student
- Basel zuhair - Student
- Student
- Roa' Sakijha
- Student
- Jude Hajarat – Student
- baraah abu saab
- yazeed tahrawi - Student
- Student
- Roaa - Student
- Student
- Student
- Student
- Doha - Student
- Student
- Layan - Student
- Snzb - Ddje
- Mariam qatarneh - Student
- Student
- Rayah - Student
- Amman
- Kareem Hajarat - Student
- Student
- Montaser Naalawi - Student
- Mohammad Baghdadi - Student
- Abdullah ali affaneh - Student
- Basel sami - Student
- osama – Student
- Yanal Kiswani

5.2.3 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.

All of the items have obtained a weighted average within the range 76% - 79%.

With weighted average 79% the highest result came for the questions "The meeting was well planned and organised" and "The objectives of the training were clearly defined and met".

The lowest rated question was "The topics were presented in a clear and understandable manner" (weighted average 76%).

5.3 Online Lecture (NTUA)

For the survey that was delivered after NTUA University Visit (December 2023) 18 responses were received coming from the 54 participants in the survey (33,33% participation in the survey). This is illustrated in Figure 31. The responses given by the participants are analysed below.
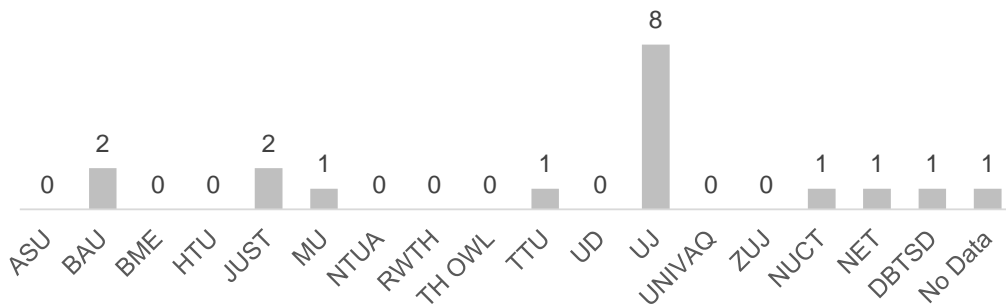

Figure 31. Number of surveys submitted per organization (N=18).

5.3.1 Analysis of scaled questions

	RESULTS (M36 Online Lecture-NTUA)							
		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.	4	2	3	4	5	64%	67%	18
		22%	11%	17%	22%	28%			100%
2	The training facilities were adequate and comfortable.	5	3	1	4	5	61%	56%	18
		28%	17%	6%	22%	28%			100%
3	The technical resources used were satisfactory.	2	5	1	3	7	69%	61%	18
		11%	28%	6%	17%	39%			100%
4	The materials provided were helpful.	4	4	1	3	6	63%	56%	18
		22%	22%	6%	17%	33%			100%
5	The objectives of the training were clearly defined and met.	1	7	0	3	6	67%	53%	17
		6%	41%	0%	18%	35%			100%
6	The study tours were useful and had an added value in the whole training.	2	6	1	3	6	66%	56%	18
		11%	33%	6%	17%	33%			100%
7	The training content was well organised.	3	4	1	4	6	67%	61%	18
		17%	22%	6%	22%	33%			100%
8	The topics of the training were clear and easy to follow.	2	7	1	2	5	61%	47%	17
		12%	41%	6%	12%	29%			100%
9	The length of training was sufficient.	2	4	2	1	7	69%	63%	16
		13%	25%	13%	6%	44%			100%
10	The training enhanced my understanding on the subject.	1	5	2	4	6	70%	67%	18
		6%	28%	11%	22%	33%			100%
11	The training was relevant to my needs.	3	5	1	2	7	66%	56%	18
		17%	28%	6%	11%	39%			100%
12	The training will be useful to me and my professional growth.	1	5	3	3	6	69%	67%	18
		6%	28%	17%	17%	33%			100%
13	The training met my expectations.	2	6	1	3	6	66%	56%	18
		11%	33%	6%	17%	33%			100%

Table 26. Analysis of responses on 1-5 scale for the M36 NTUA Online Lecture.
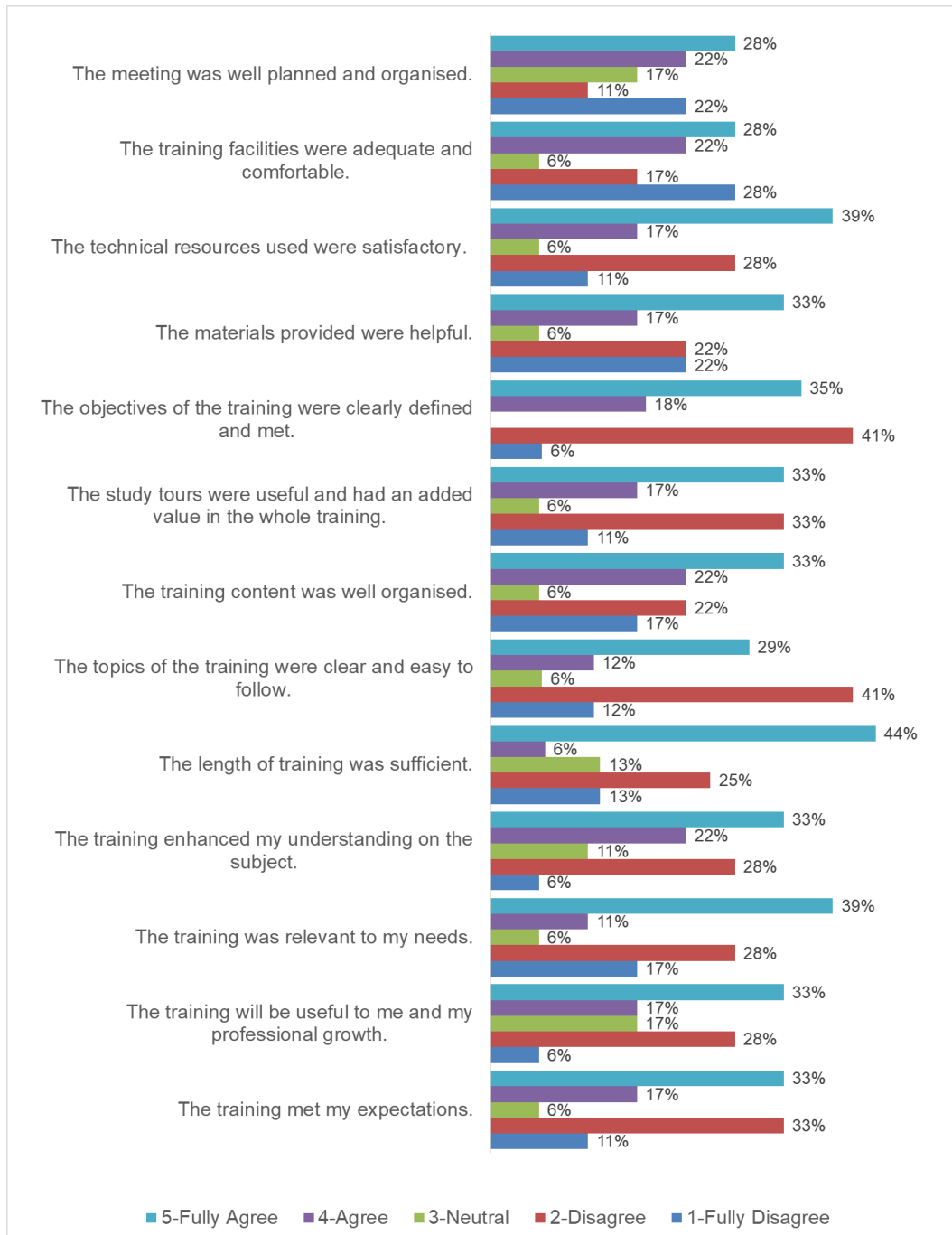
Figure 32. Analysis of responses on 1-5 scale for M36 NTUA Online Lecture.

		1 Fully Disagree	2 Disagree	3 Neutral	4 Agree	5 Fully Agree	Weighted Average	Combined %	Total
RESULTS (M36 Online Lecture-NTUA)									
	2- Your opinion of the Trainers:								
14	The trainer was knowledgeable about the training topic.	4	5	1	2	6	61%	50%	18
		22%	28%	6%	11%	33%			100%
15	The trainer succeeded to explain and illustrate concepts.	4	2	3	4	5	64%	67%	18
		22%	11%	17%	22%	28%			100%
16	The topics were presented in a clear and understandable manner.	3	4	1	4	6	67%	61%	18
		17%	22%	6%	22%	33%			100%
17	The trainer encouraged participation, interaction and answered questions clearly.	1	4	4	6	2	65%	71%	17
		6%	24%	24%	35%	12%			100%
18	The trainer's communication style kept me focused and interested.	1	4	3	4	6	71%	72%	18
		6%	22%	17%	22%	33%			100%

Table 27. Analysis of responses on 1-5 scale for the M36 NTUA Online Lecture.
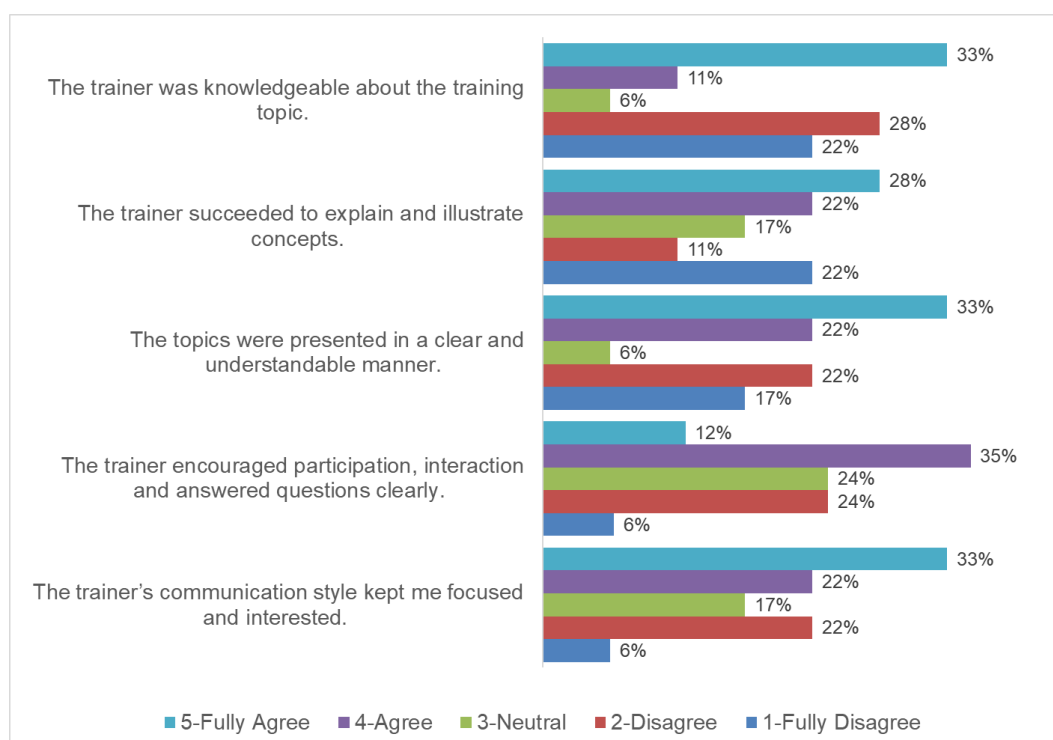

Figure 33. Analysis of responses on 1-5 scale for the M36 NTUA Online Lecture.

5.3.2 Open ended questions

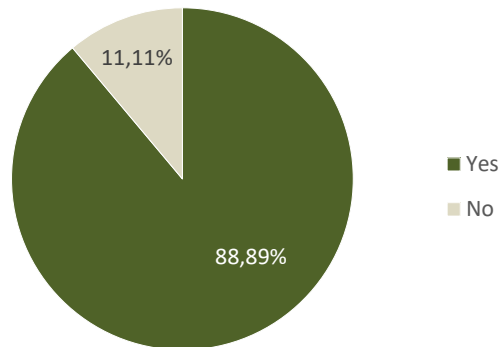### Was this training appropriate for your level of experience?

Figure 34. Percentage of responses Yes / No scale (M36 NTUA Online Lecture).

Which topics were not covered or insufficiently covered, in your opinion?
- Every thing was covered.
- I don't believe there is any.
- Ok.
- Convertor.
- Hduhxjydu33b.
- Don't know.
- No.
- Some concepts didn't completley detailed.
- NA.
- Fact that I.

Which topics were not relevant in your opinion?

- Transmission.
- I don't believe there was any.
- Yes.
- Engine.
- Jdiie.
- NA.
- Don't have to worry about.

What did you like best about the training?

- Timing.
- How simple it made the moving mechanism of the car looks.
- No.
- Photos.
- Motorz.
- Topics packing.
- The will explained material.

- The trainer explaind deeply in her presentation many technical related and important issues . The training is very important for everyone to know more about the Hybrid and electric car system.
- Questions about the position with.

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

- Better organisation.
- I would've loved to more about could we improve the current systems.
- Ok.
- Txjbsjc.
- if you could give the trainers time of inquire.
- More conversation with students and questions about the subject.
- Maybe Arabic translation for the students. In case needed.
  Please share with us the presentation, if possible. Thank you very much.
  Everything else will work great quality.

Reviewer´s Name and Position

- Mohammad Omar Hamdneh - Student
- Ahmad Wael - Mechanical engineering student
- Hesham Alsalem - Assistant professor at tafila technical university
- Yes
- Bxjvu,iwb - Judub
- zaid naji
- Khaled
- Khalil Assaf
- mosab albayari - Mechanical engineer student (4th year)
- Salim alhout - Student
- Omar Madi - Student
- Samer Al-Kasih - Trainer & Erasmus program coordinator
- Make quick changes Zaid the first - Type that question 🐨

5.3.3 Overall Conclusions

The value of the weighted average of most of the items (16 of 18) is less than 70% so it was considered necessary to establish any improvement plan with respect to the results.

All of the items have obtained a weighted average within the range 61% - 71%.

With weighted average 71%, the highest result came for the question "The trainer´s communication style kept me focused and interested".

The lowest rated questions were "The training facilities were adequate and comfortable", "The topics of the training were clear and easy to follow" and "The trainer was knowledgeable about the training topic" (weighted average 61%).

6. COURSE EVALUATION

Course evaluation among participants aim to assess the organisational issues and effectiveness of the Associate Degree Diplomas and Vocational Diplomas.

After each Diploma an evaluation survey was conducted, asking participants to rate it 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 Diploma 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.

"Course Evaluation" survey contained the following parts:

- Part 1: Associate Degree Diploma / Vocational Diploma Evaluation.
- Part 2: Each Course Evaluation.

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.

6.1 Course Evaluation

The results of the following Diplomas are attached as Annex I:

- ASU Vocational Diploma.
- BAU Associate Degree Diploma.
- BAU Vocational Diploma.
- HTU Vocational Diploma.
- JUST Vocational Diploma.
- MU Vocational Diploma.
- TTU Associate Diploma.
- TTU Vocational Diploma.
- UJ Vocational Diploma.
- ZUJ Vocational Diploma.

6.1.1 Overall Conclusions

Courses in which the value of **the weighted average of all items** was more than 70%:

- HTU Vocational Diploma: weighted average 80%-94%
- JUST Vocational Diploma: weighted average 72%-84%
- MU Vocational Diploma: weighted average 81%-89%
- ZUJ Vocational Diploma: weighted average 75%-89%
- TTU Associate Diploma: weighted average 55%-100% (Only one item obtained a weighted average less than 70%, "Material clarity and language")
- UJ Vocational Diploma: weighted average 65%-83% (Only one item obtained a weighted average less than 70%, "Availability of references and other teaching resources")

The value of **the weighted average of some items was less than 70%**:

- ASU Vocational Diploma: weighted average 64%-75%
- BAU Vocational Diploma: weighted average 51%-80%
- TTU Vocational Diploma: weighted average 58%-82%

The value of **the weighted average of all of the items was less than 70%**:

- BAU Associate Degree Diploma: weighted average 23%-37% (All of the items obtained a weighted average less than 70%)

It should be noted that, if the value of the weighted average of some/all items was less than 70%, it was recommended (in short reports) to establish any improvement plan with respect to the results.

7. KEY DELIVERABLE EVALUATION

Key Deliverable Evaluations aim to assess the Key Deliverables which represent the main results of the project.

For this purpose, the reviewing process has undergone by two members of the work package co-leaders and the external evaluator.

The reviewers checked the document for its completeness, clarity and comprehensiveness, and verified whether the deliverable satisfied the requirements, description, or objective, identify problems and/or deviations from requirements and suggest improvements to author(s).

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.

"Key Deliverable Evaluation" survey contained the following parts:
- Thoroughness of contents
- Completeness of contents
- Clarity of contents
- Comprehensiveness of contents
- Correspondence to project objectives
- Relevance of contents to task objectives
- Format (layout, spelling, compliance to the template, logos etc.)

7.1 Key Deliverables Evaluation

The results of the following Key Deliverables are attached as Annex II:

- D2.1 Key competencies needed by employers in Jordan in the field of EV/HEV.
- D3.1 Capacity Building Plan.
- D5.2 Virtual Learning Portal.
- D7.1 Dissemination and Sustainability Plan.
- D7.2 Project Website and Social Networks.

7.1.1 Overall Conclusions

All the deliverables were accepted by the reviewers, with no changes required.