



SEM-SEM



Smart Control Systems for Energy Management

Erasmus + #: 561703-EPP-1-2015-1-UK-EPPKA2-CBHE-JP

Quality Assurance Report

3rd Semester

(15th October 2016 – 14th April 2017)



Project Acronym:	SEM-SEM
Full Project Title:	Smart Control Systems for Energy Management
Project No.:	561703-EPP-1-2015-1-UK-EPPKA2-CBHE-JP
Funding Scheme:	ERASMUS+
Project Coordinator:	STAFFORDSHIRE UNIVERSITY (SU)
Project Quality Coordinator:	Eurotraining

Title of Work Package	Monitoring and Quality Control
Work Package	WP12
Work Package Leader	EUROTraining
Target Group	<ul style="list-style-type: none">✓ All project partners✓ Students, teachers, engineers and industry management
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Table of Contents

1. Introduction – Purpose of this Document.....	4
2. Monitoring Results of General Aspects of Project Implementation.....	4
2.1 Progress and Direction.....	5
2.2 Management and Communication.....	6
2.3 Team and Roles.....	7
2.4 Lessons Learned.....	8
2.5 Opportunities and Risks	9
2.6 Difficulties and Challenges	10
3. Monitoring Results of Progress and WP Completion	10
3.1 Progress of WP3.....	11
3.2 Progress of WP5.....	11
3.3 Progress of WP6.....	12
3.4 Progress of WP10	12
3.5 Progress of WP11	13
3.6 Progress of WP12.....	14
3.7 Progress of WP13.....	14
4. Evaluation of Project’s Events and Activities	15
4.1 Second Project Meeting	15
4.2 Workshop in Amman.....	21
4.3 Training in UCY.....	26
Conclusions	29



1. Introduction – Purpose of this Document

Monitoring and Quality Control is an integrated process to the implementation of every successful project, as it is necessary in order to ensure and improve the quality of its respective activities and results. In SEM SEM, the quality assurance is continuous, thus implemented throughout the project's lifetime.

In this framework, the Quality Assurance Report for the 3rd Semester summarizes the results of the evaluation process that was implemented during this period of the project, based on the established Quality Assurance Plan. It includes evaluation results on the progress of project implementation as reported by all partners, as well as the evaluation of the 2nd Project Meeting held in Amman (30th November 2016), the Workshop held in Amman (1st December 2016), and the Training organized at the University of Cyprus (6th to 10th March 2017).

2. Monitoring Results of General Aspects of Project Implementation

In this section of the Quality and Monitoring Rubric, all partners, regardless if they led a WP or not, were asked to evaluate some general aspects of the implementation process so far. Questions referred to the following categories:

- Progress and Direction
- Management and Communication
- Team and Roles
- Lessons Learned
- Opportunities and Risks
- Difficulties and Challenges

The results of the internal evaluation of those aspects for the third semester of the project are analysed in the next chapters. *It should be highlighted that even though detailed Quality and Monitoring Rubrics have been gathered by all partners of the project, it was decided that this report's objective is to refer only to the most significant aspects of the evaluation that will ensure its substantiality*



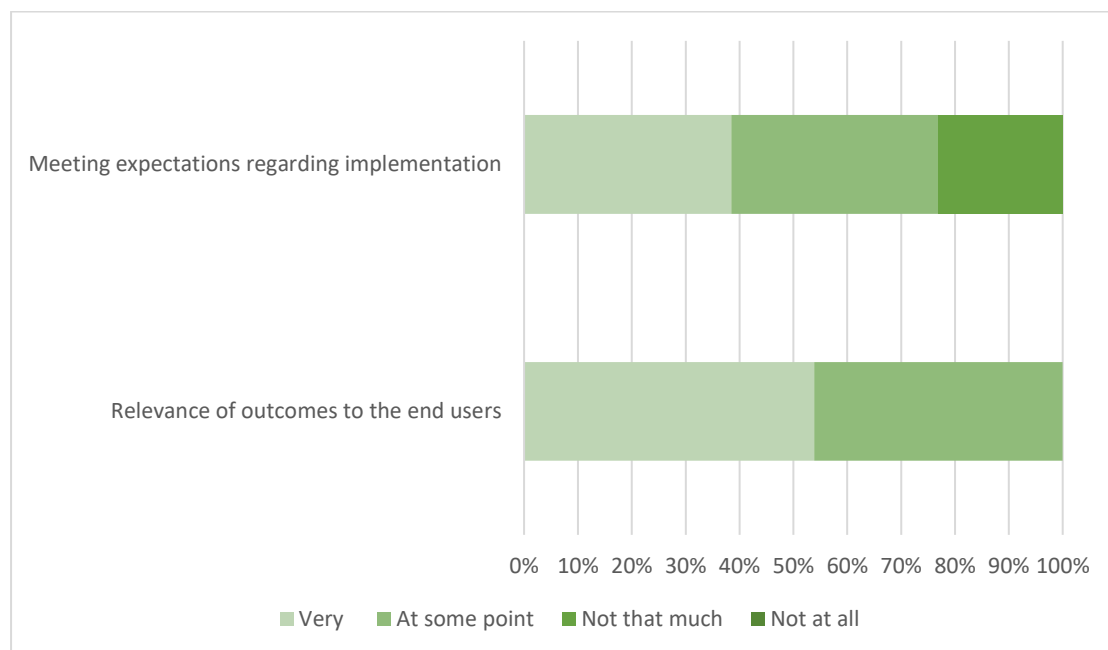
and provide the appropriate feedback for improving the project's progress and results. All relevant evaluation documentation is available to Eurotraining, as leader of WP12: Monitoring and Quality Control.

2.1 Progress and Direction

In that part of the evaluation process, partners expressed their opinions about the progress of the project implementation.

First of all, they were asked to report on any deviations in outcomes, compared with the initial plan and according to the application. The only incident reported, was delays due to the need to adjust the schedule of both EU and EG/JO partners in order to facilitate the travelling arrangements, VISAs, etc.

As far as the progress and direction of the project's implementation is concerned, partners responded, among others, about the relevance of current outcomes to the end users, as well as the level at which their expectations regarding the implementation procedure were met.



Partners' responses indicate that they were not entirely satisfied by the implementation procedure, which can be attributed to a variety of factors. The partnership, and especially the coordinator, should take into consideration these reviews and be sure to use them to improve the implementation of the



project in the next semesters. On the other hand, partners found that current outputs of the project are quite relevant to the end users, thus greater attention should be paid to the quality assurance process at this period, in order to produce high – quality results.

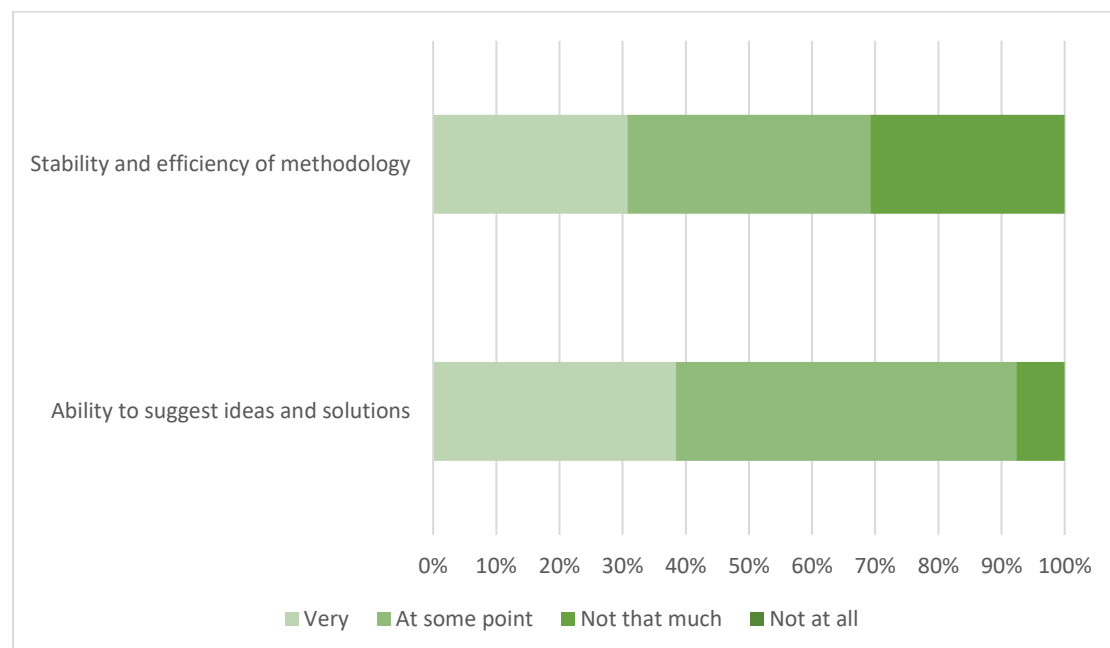
On what support they would have needed, partners mentioned:

- *“Transferring the money earlier to purchase the equipment”*
- *“Clearer identification of the training needs”*
- *“Better co-ordination with other WPs that also deal with training”*
- *“A way to ensure that all partners realise the importance of the evaluation process for the effective implementation of the project”*

2.2 Management and Communication

This section of the evaluation process included questions regarding the management of the project activities as well as the communication among the partnership.

Some of the most significant aspects that partners were called to evaluate included their ability to suggest ideas and solutions to various problems, and the stability and efficiency of the management and communication methodology used.





In general, reviews on the stability and efficiency of the used methodology are mixed, as it seems that there were both satisfied and not that satisfied partners. It would be advisable for the partnership to discuss on finding more efficient ways to manage the foreseen work, and ensure that these ways are stable enough to provide all the necessary certainty needed for the successful implementation of the project's tasks.

2.3 Team and Roles

In this section of the evaluation, partners were asked, among other things, to mention what worked and what didn't work well in the partnership up until now. These are the answers of those who opted to respond:

What worked well	What didn't work well
<i>Cooperation between partner countries</i>	<i>Budget flow</i>
<i>Exchange the experience together</i>	<i>Work packages related to financial</i>
<i>The technical capabilities of the European partners</i>	<i>Communication and coordination</i>
<i>Most work packages</i>	<i>Financial Management and the delay in transferring the money</i>
<i>Most partners were understanding the instructions and the procedure of the project</i>	<i>Please see the previous comment</i>
<i>Development of the courses and training workshops</i>	<i>Delay from some partners to determine the required lab equipment (Task 5.4 and 5.5)</i>
<i>Communication between partners has been improved</i>	<i>The roles and responsibilities were not very clear from the start</i>
<i>In this stage almost everything went well, but as expected it was required to reassign some task to different partners to be more suitable for their expertise</i>	<i>The other partners are not interested in the project and are not willing to work</i>
<i>The progress in tasks 5.3, 5.4 and 5.5 are fine</i>	<i>The Ticket prices exceeded the defined amount for some partners although it was booked 3 months earlier</i>
<i>The good cooperation between the partners, the constant support and the flexibility to adjust procedures when necessary</i>	<i>Communication via e-mails</i>



<i>AASMTs willingness to take initiatives helped significantly in reducing the confusion among the partners</i>	
<i>The partners were pretty fixable and cooperative</i> <i>The overwhelming feedback of the industrial sectors and governmental representative on JOR and EG</i>	
<i>Partners were very eager to apply recommendations of Alexseeds in the project</i>	
<i>Participation in training and workshop was satisfactory</i>	

2.4 Lessons Learned

Regarding the success of the project so far in demonstrating a translational approach, as well as any actions that could be taken to improve transnationality of activities and results, partners mentioned the following:

How successful has SEM-SEM been in demonstrating a trans-national approach?	<ul style="list-style-type: none"> - <i>Trainees and participants to training and workshop were from different countries, ensuring that the project's aims and objectives reach a transnational level</i> - <i>Succeeded in creating MSc courses which addressed common challenges in Egypt and Jordan</i> - <i>Moderate as HU had good EU projects before</i> - <i>Very successful, for example Cyprus have an advance solar research center, IST has very mature solar thermal storage research. Staffordshire has long experience in IoT and smart systems</i> - <i>Very successful. Trainings have been implemented at a transnational level</i> - <i>The tasks of this work packages have been organized to be shared between European and non-European partners which allowed the exchange of different experiences and knowledge</i> - <i>It was quite successful in terms of mobility of students etc.</i> - <i>The partners of JOR universities managed to get a respectful amount of audiences from different targeted groups</i> - <i>Very well, coordination meetings were vibrant and full of sharing knowledge from all partners</i>
What actions could be taken to improve the trans-nationality of the project?	<ul style="list-style-type: none"> - <i>Wider dissemination of the project's activities can help improving transnationality</i> - <i>More double degrees</i> - <i>More actions and support for visa issues</i>



	<ul style="list-style-type: none"> - <i>Joint master program with EU partners</i> - <i>Maybe more trainings</i> - <i>I believe increasing the number of face to face meeting will be very useful, as I noticed that we achieved very good progress during the Jordan meeting as all to partners have been working together.</i> - <i>Follow-up funding to exchange students between partner universities</i> - <i>Students should get more opportunities to visit EU countries and learn. Academics did not seem to be interested the trainings</i>
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2.5 Opportunities and Risks

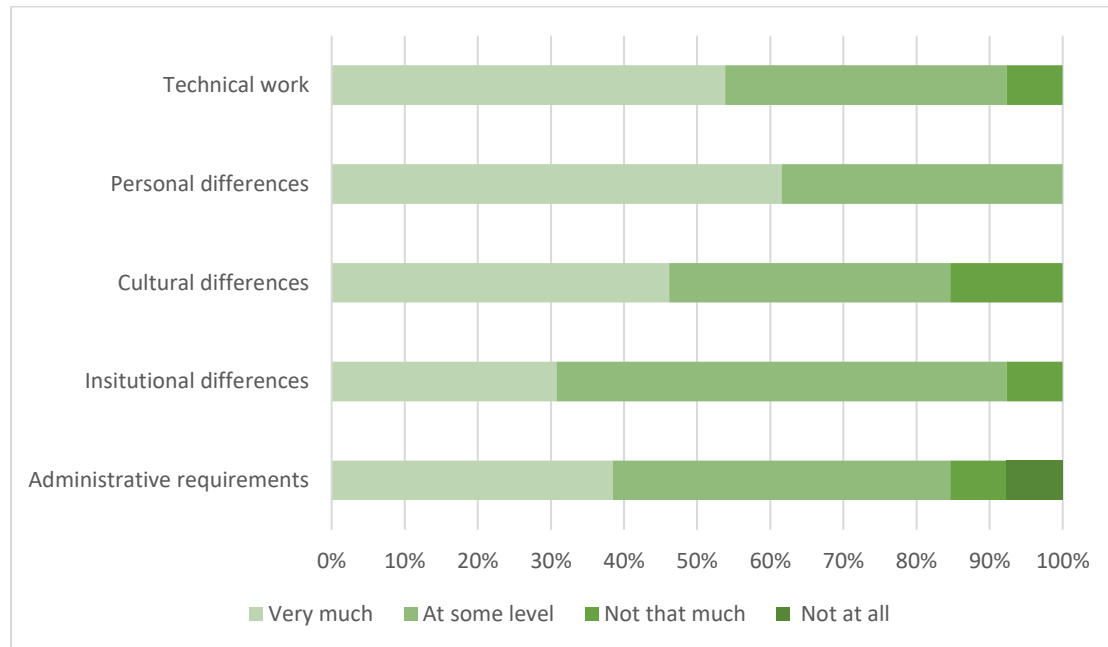
In this section of the evaluation, partners were asked about the opportunities and risks they faced or expect to face during the project's implementation. In two of the most significant questions of this section, they responded the following:

What needs improvement?	What did you like the most?
<i>Management of the project</i>	<i>Cooperation between partners</i>
<i>More actions and support for visa issues</i>	<i>Budget flow should be processed better</i>
<i>More meetings</i>	<i>The idea of the project</i>
<i>Selection of motivated partners</i>	<i>Capacity building workshops and courses development</i>
<i>Time management for task completion</i>	<i>Cooperation of the consortium</i>
<i>Clarifying the project's timeline of activities</i>	<i>The project team collaboration and sharing the information</i>
	<i>The participants were highly motivated, technically very good and all the trainings were extremely successfully from the contents point of view</i>
	<i>Meeting and networking with a few people that really care about the project's objectives</i>
	<i>The welcoming of such new program between JOR and EG industrial sectors</i>
	<i>Meeting up with different people with different expertise</i>
	<i>A wide interest in the topics addressed by the project</i>



2.6 Difficulties and Challenges

In the final part of this evaluation's section, partners were asked to identify the roots of the difficulties and/or challenges they faced during the third semester of the project.



3. Monitoring Results of Progress and WP Completion

According to the established quality assurance procedure, leaders of active WPs have to report on the progress of implementation. During the third semester, the following WPs were active:

- WP3: Development and establishment of new master courses (Leader: Staffordshire University)
- WP5: Development of manuals for training and labs (Leader: Staffordshire University)
- WP6: Training of EG and JOR teachers on the master courses (Leader: IST)
- WP10: Dissemination of the project (Leader: AASTMT)
- WP11: Project Sustainability (Leader: ALEXSEEDS)
- WP12: Monitoring and Quality Control (Leader: Eurotraining)
- WP13: Project Management (Leader: Staffordshire University)



3.1 Progress of WP3

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
Not in this stage	Development and establishment of new master Courses	N/A	14/4/2017	It will be highlighted by the end of the WP delivery
3.1	Establish phase 1 of the developed M.Sc courses	100%	14/12/2016	
3.2	Establish phase 2 of the new MSc courses	100%	14/12/2016	
3.3	Synergetic to omit redundancies between courses	100%	14/4/2017	

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
3.1. Establish phase 1 of the developed MSc courses	Courses outlines, lectures, materials, reference, tutorials	100%	36 courses	The EU partners with the help of EG/JOR partners worked on the already developed existing courses which will be included in the MS programs
3.2. Establish phase 2 of the new MSc courses	Courses outlines, lectures, materials, reference, tutorials	100%	36 courses	The EU partners with the help of EG/JOR partners worked the new courses, modifying some of the proposed courses
3.3. Synergetic to omit redundancies between courses	Report with the courses and the program structure.	100%	Two program structure reports, (AASTMT and MU)	Applying homogeneity between courses and confirming on the program structure and credit hours

3.2 Progress of WP5

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
5.1	Preparation of laboratories	10 %	14/08/2016	In Progress
5.2	Mounting of experimental rigs and lab development	0%	14/01/2017	Not in this stage
5.3	Development of the training setup	0%	14/04/2017	Not in this stage
5.4	Development of the training documentation	0%	14/04/2017	Not in this stage
5.5	Development of e-learning training docs courses	0%	14/10/2017	Not in this stage

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
5.1. Preparation of laboratories	Tenders and purchasing orders for EG	10%	2	ASU starting preparing tenders for some of their equipment.



	Tenders and purchasing orders for JOR	0%	0
5.2. Mounting of experimental rigs and lab development	Working equipment's with experiments booklets	0%	0
5.3. Development of training setup	Training for the operating staff	0%	0
5.4. Development of the training documentation	Booklets ad reports	0%	0
5.5. Development of the e-learning docs courses	Training courses materials	0%	0

3.3 Progress of WP6

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
6.1	Attend advanced short courses in EU	30%	14/12/2016	
6.2	Training in Egypt and Jordan by EU staff	0%	14/11/2017	

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
6.1. Attend advanced short courses in EU	Advanced Short course in UCY	100%	N/A	It was implemented on 6th to 10th of March 2017 in University of Cyprus.
6.2. Training in Egypt and Jordan by EU staff				

3.4 Progress of WP10

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
10.1	Advertising Campaign	30%	14/10/2018	
10.2	Workshops and conferences	30%	14/10/2018	

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
				A meeting with the industrial sectors represented by



10.1. Advertising campaign	Advertising for EG industrial sectors	30%	N/A	ALEXSEED was done in March 2017, where ALEXSEEDS explained its needs for special training programs. The presence of ALEXSEEDS in the coordination meeting in UU (30 Nov 2016) influenced a change in some of the course's contents and program structure.
	Advertising for the JOR industrial sectors	30%	N/A	UJ advertised for the project during the Info- day on December 22, 2016 to introduce the European funded projects under Erasmus+
10.2. Workshops and conferences	2 regional workshops in Egypt and Jordan	30%	N/A	The 1 st workshop was successfully implemented on the 1 st of December 2016 with the presence of the governmental and industrial sectors.
	1 final conference	N/A	N/A	

3.5 Progress of WP11

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
11.1	Strengthening relationships with the industry	~50%	14/10/2018	
11.2	Marketing of the programme to ensure sustainability	~50%	14/10/2018	

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
11.1. Strengthening relationships with the industry	Prepare the proper documentation for marketing of the programme	50%	N/A	The choice of performance indicator as preparing marketing documentation does not match well the WP outputs at this stage. However, major strengthening has been taking place from meetings, skype and projects kickoffs. Alexseeds have contributed in revising courses being offered from an industrial perspective
11.2. Marketing of the programme to ensure sustainability	Conducting marketing campaign	50%	N/A	Marketing of the program is still at its early stage and is only done locally at Alexseeds personnel.



3.6 Progress of WP12

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
12.1	Monitoring by Eurotraining on EG/JOR partners' management	~50%	14/10/2018	
12.2	Monitoring by Eurotraining on EU partners' management	~50%	14/10/2018	

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
12.1 Monitoring by Eurotraining on EG/JOR partners' management	Feedback surveys for trainings (16), workshops (2), conferences (2), meetings (4)	12%	3/25	Evaluation report of: <ul style="list-style-type: none"> – KOM, held in Cairo – 2nd PM, held in Amman – Workshop in Amman
	Semiannual reports (6)	50%	3/6	Quality report for the first, second, and third semesters of the project
12.2 Monitoring by Eurotraining on EU partners' management	Feedback surveys for trainings (6), meeting (1)	14%	1/7	Evaluation report of Training in UCY
	Semiannual reports (6)	50%	3/6	Quality report for the first, second, and third semesters of the project

3.7 Progress of WP13

Deliverable n.	Deliverable title	% Achieved	Delivery date (according to application)	Actual delivery date
13.1	Regional and International Coordination Meetings	40%	14/10/2018	Till end of the project
13.2	EG/JOR Institutional Management	50%	14/10/2018	Till end of the project
13.3	Coordination Meetings with group leaders	50%	14/10/2018	Till end of the project

WP Outputs	Performance Indicators	% Achieved	Number reached so far	COMMENTS
13.1. Regional and International Coordination Meetings	The kick off meeting was held in Alexandria Egypt, January 2016. 2 nd meeting in Jordan, December 2016.	40%	2	Should continue till end of the project
13.2.EG/JOR Institutional Management				There are 2 sub-coordinators for the project (AASMTT-Egypt and JUST Jordan)
13.3. Coordination Meetings with group leaders	Online meetings and one to one meetings	N/A	N/A	Group leaders' meetings have been arranged over the project life in regular bases and when is required. Some group leaders meeting



Horizontal Project Management Indicators				happened during the training and workshop events
Effective and concerted project implementation	Timely signing the consortium agreement	100%		Most of the partners promptly responded and some had from some delays. It is planned to exchange the signed agreements documents during Jordan coordination meeting
	A minimum of two teleconferences will be organized	100%	6	Online meetings and one to one meetings have been organized
	No more than five adjustment decisions			N/A till now
External relations	Positive management board relationships	N/A	N/A	
	Exchanges with stakeholders through the platform and/or the social media	N/A	N/A	It is planned to the VOIP communication facilities and have a project presence in Research Gate. In addition to the project website.
Conflict resolution	No conflicts between partners			N/A
Risk management	Corrective measures applied			N/A

4. Evaluation of Project's Events and Activities

During the third semester of the project, three major events were organized by the partnership. Eurotraining, as Leader of Monitoring and Quality Control, performed evaluation exercises for all three of them. Evaluation results are expected to contribute to the improvement of the implementation of such events and activities in the future.

4.1 Second Project Meeting

The 2nd Project Meeting was held on the 30th of November 2016 in Amman, Jordan. By the deadline, in total 23 participants returned the fully completed questionnaire. More than one questionnaire was completed by some partner organisations.

Participants had the opportunity to evaluate the meeting including different aspects, as mentioned before, by rating them from 1 to 5 according to the questions provided and the level of satisfaction. The level of satisfaction was

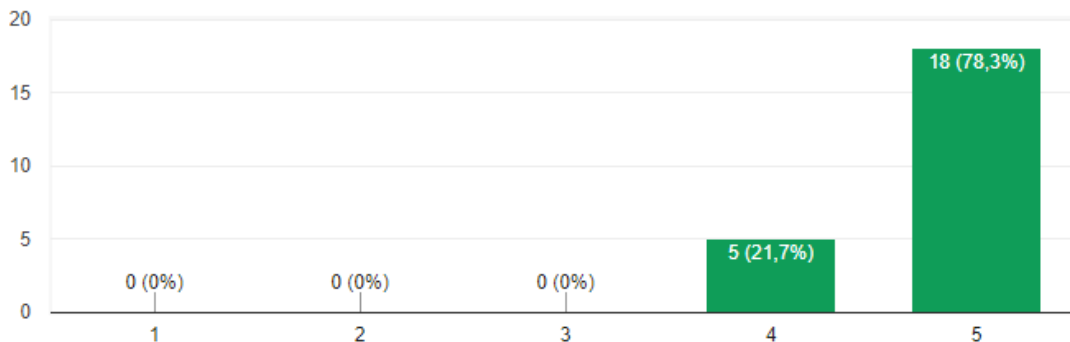


assessed from 1 which stands for the worst rating, to 5 which stands for the best rating.

In the below pages, only the most significant aspects of the Meeting's evaluation are presented, as a detailed presentation of the evaluation results was considered redundant for the purpose of the current report. *Please note that the full evaluation report for the 2nd Project Meeting has been compiled by Eurotraining and is available to any interested party.*

Overall, how would you rate the meeting?

23 απαντήσεις

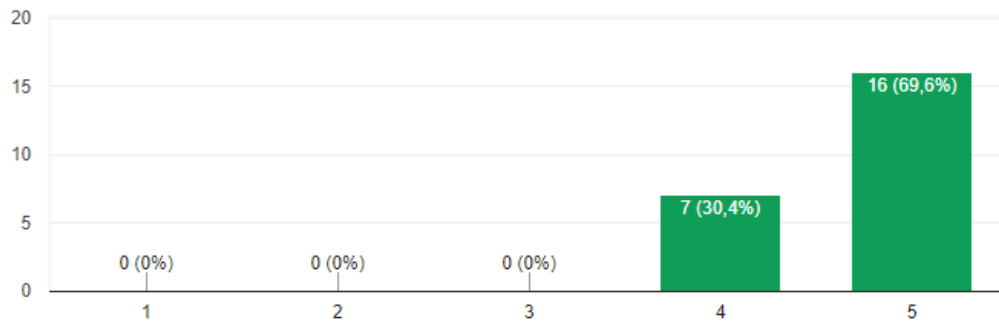


The meeting has been assessed as excellent by the majority of partners who submitted their evaluations. In total 78.3% of partners found the meeting excellent while 21.7% rated it as 4. This indicates that partners who attended the meeting, were in general satisfied by its different features, including its content and organisational aspects.



The meeting was useful for helping our organisation to carry out the expected project activities?

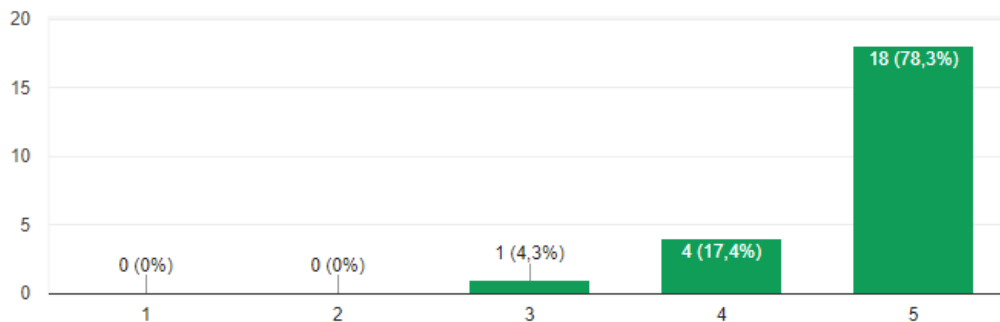
23 απαντήσεις



Partners found that the meeting was sufficient in helping them to carry out the expected tasks. In total, 69.6% found the meeting very useful while the rest 30.4% found the meeting useful. According to those results, some partners were not fully benefited by the meeting in terms of getting the appropriate help to implement their expected project activities.

The meeting was useful for establishing communication among partners.

23 απαντήσεις

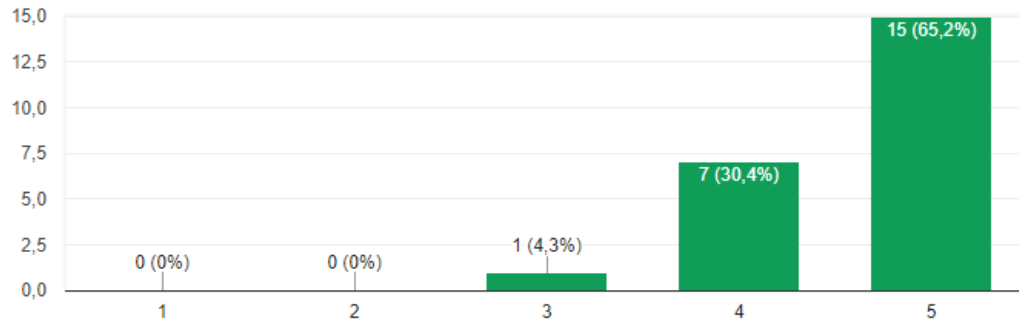


In that question, participants were asked to evaluate the meeting in terms of providing the suitable circumstances for establishing communication among the partnership. As 78.3% of respondents stated that they found the meeting very useful for establishing communication, it can be said that it was a very successful meeting regarding that particular aspect of it. However, there were four participants (17.4%) answering that it was just useful, and even one (4.3%) who thought that it was balanced.



After the meeting, work plan and deadlines for each result were clear.

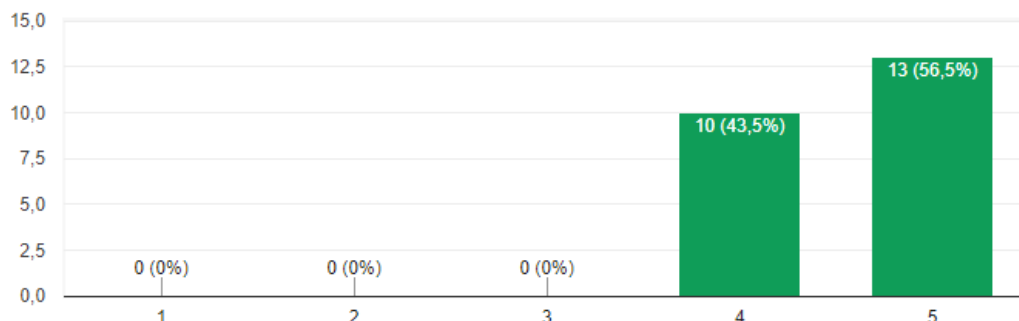
23 απαντήσεις



Answers about the clarity of the work plan and deadlines of each result can be received as encouraging, even though there is still room for improvement. From all partners, 65.2% agreed that the work plan and deadlines were very clear after the meeting. A smaller, but significant number of attendees representing 30.4% of respondents (7 participants), considered that the work plan and deadlines were clear, but maybe more clarification or further explanation could have been given. There was also one participant (4.3%) whose answer was neutral and should be further looked into.

After the meeting, my role and responsibility within the next project activities were clear.

23 απαντήσεις



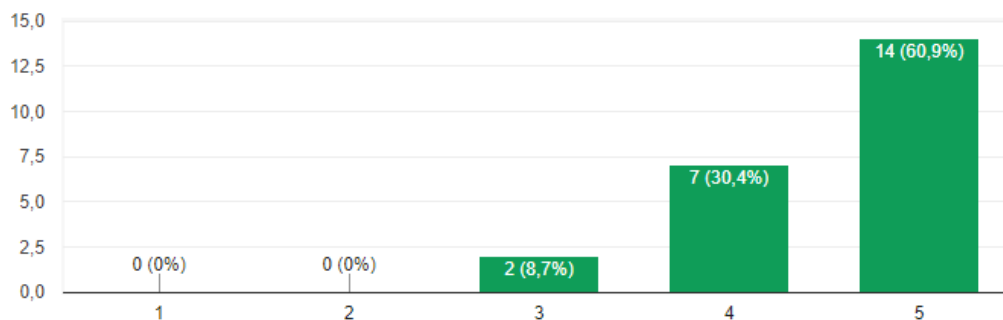
As the graph shows, not every participant was fully satisfied by the clarity of his role and responsibilities for the next project activities. More precisely, more than half of participants (56.5%) stated that their assigned roles and responsibilities



were very clear after the meeting. However, ten out of twenty – three respondents (43.5%) argued that their roles and responsibilities were just clearly defined. Considering that a main objective of every partner meeting is to provide adequate information to partners in order to realise their roles and successfully implement the foreseen project activities, the fact that not every partner was fully satisfied by that aspect of the meeting should be alarming for future meetings' organisation.

How do you rate the duration, date and timing of the meeting?

23 απαντήσεις

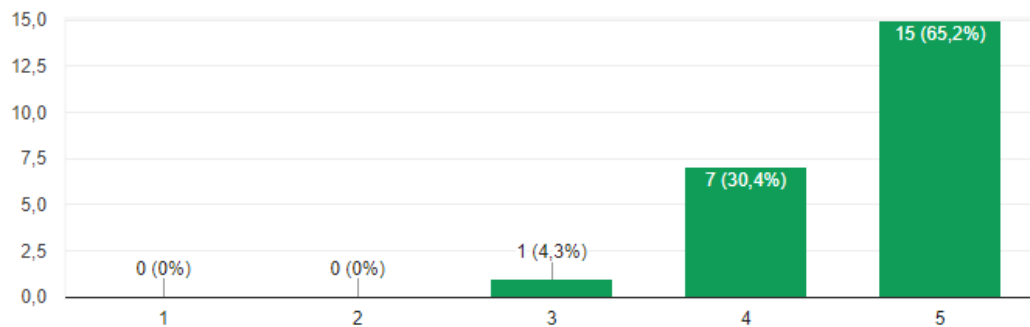


The results about the duration, date and timing of the meeting were spread between three options. The majority of respondents, fourteen out of twenty - three, thought that those characteristics of the meeting were very good, seven that they were “good” and the remaining two that they were “fair”. As timing and duration can be considered as contributing factors to a meetings effectiveness, it might be useful to look into possible sources of dissatisfaction.



Were meeting activities organised in an efficient manner?

23 απαντήσεις



The majority of the attendees (65.2%) found that the meeting activities were very efficiently organised, 30.4% that they were organised in an efficient manner, while a remaining 4.3% thought that the activities were fairly organised. A general satisfaction can be noted, although there might still some room for improvement.

Summary and Conclusions

The results of the evaluation of the 2nd project meeting were, in general, satisfying. Both the quantitative and qualitative parts of the evaluation provide a valuable feedback for assessment of the overall purpose of the meeting, its organisation and the content and outputs produced.

The rating system that has been used during this evaluation, was based on a scale rate from 1 to 5. The best rate that could be given it was 5 and the worst 1 according to each question. In all questions the average rates were between 3 to 5, while most of the partners marked rated the different aspects of the meeting with 4 or 5.

Arguably, the only less satisfying aspects that have been identified in this evaluation are minor issues that have been reported by the partners such as:

- clarity of partners' role and responsibilities after the meeting;
- duration, date, and timing of the meeting;
- partners' presentations during the meeting.



In general, the partners are well satisfied, but the above issues were reported in the questionnaire as less satisfying but overall positive.

The results depicted an overall good spirit of cooperation, which is well established on good communication among the partnership. Another encouraging part of the evaluation was the satisfaction about the clarity of the meeting's objectives, an aspect that can actually contribute to a considerable effective meeting. Last but not least, participants' views regarding the meeting venue were very positive, a fact that can partly explain the general satisfaction about the meeting

Final Remarks

It may be useful for partners to:

- carefully read on the project objectives and deadlines;
- retain a high level of communication among the partnership and especially with every work package leading partner for clarifications;
- ask for any clarification or relevant information regarding their assigned roles and responsibilities within the project's activities;
- review timing and timetable options for meetings;
- evaluate and peer review each meeting;
- meet internal deadlines and respect the work plan.
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4.2 Workshop in Amman

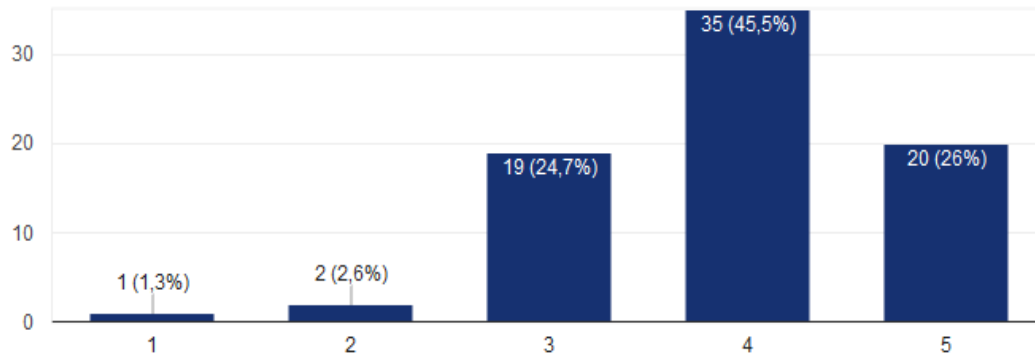
The first SEM SEM Workshop was held in Amman, Jordan, on the 1st December 2016. The trainees who attended this session and answered the questionnaire were seventy-seven.

In the following pages, only the most significant aspects of the Workshop's evaluation are presented, as a detailed presentation of the evaluation results was considered redundant for the purpose of the current report. *Please note*



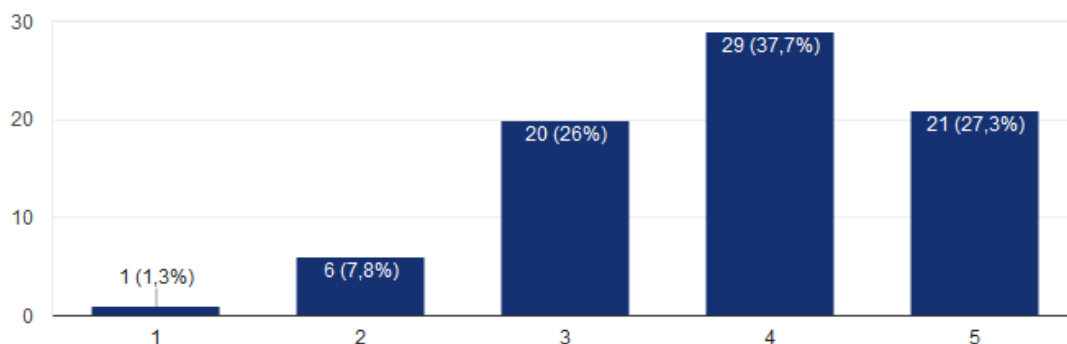
that the full evaluation report for the Workshop in Amman has been compiled by Eurotraining and is available to any interested party.

Overall, how would you rate the Master's program?



This is a Likert scale question. The participants should answer it by selecting a single option from a 1 to 5 scale (from 1 - "Poor" to 5 - "Excellent"). This question was used in order for the coordinators-partners to figure out how the participants see the whole effort. The majority of people that attended the workshop (45,5% - 35 respondents) chose "4" as their answer, twenty out of seventy-seven participants (26% - 20 respondents) chose "5", nineteen out of seventy-seven participants (24,7%) chose "3", just two persons (2,6%) chose "2" and a single one chose "1" (1,3%). The results are definitely very encouraging and highly rating, which making this Master' program an example of quality effort.

Are you generally satisfied with the core courses of the Master's program?



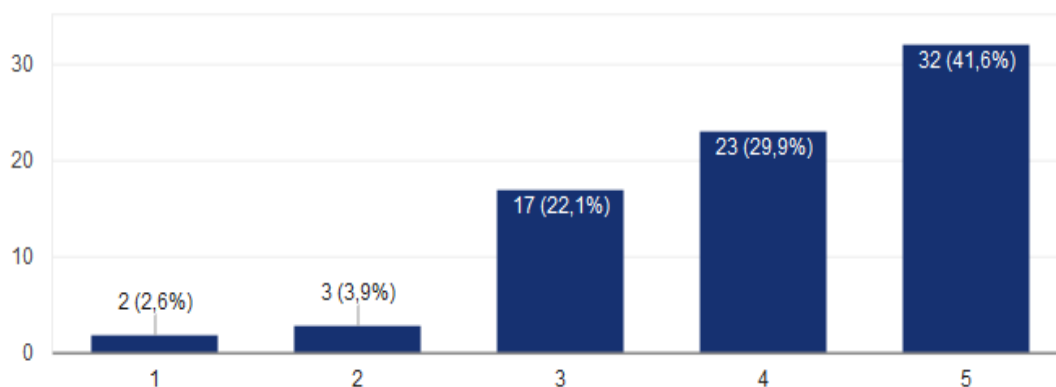
This is a Likert scale question. The participants should answer it by selecting a single option from a 1 to 5 scale. In particular, these options range from "Not at



all satisfied” (1) to “Very satisfied” (5). The questionnaire’s creator used this question in order to find out to what extent the participants were about to be satisfied with the main academic subjects of the Master’s degree after the end of the workshop. Twenty-nine out of seventy-seven participants (37,7%) chose “4” as their answer, twenty-one participants (27,3%) chose “5”, twenty participants (26%) chose “3”, six participants (7,8%) chose “2” and just a single person (1,3%) chose “1”. In general, the results are encouraging but the organizers should take into account the opinion of that minority that gave a mild or a negative answer.

Do you think that the structure of the Master’s program responds to the needs of the students?

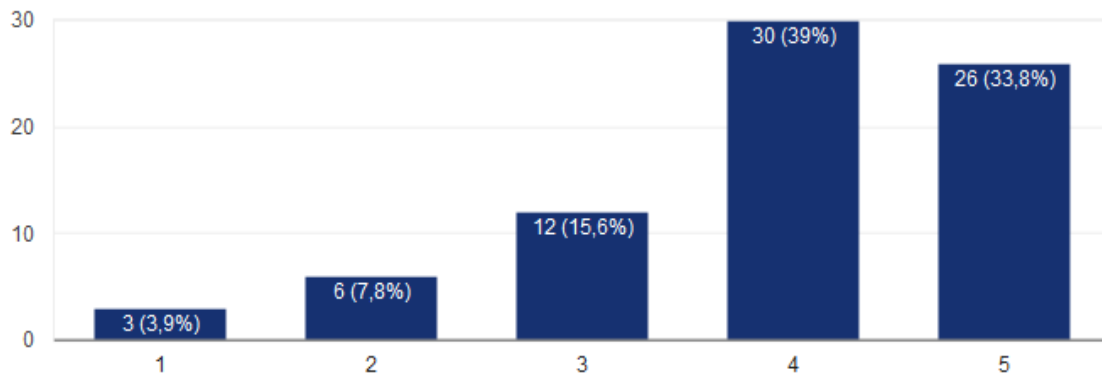
This is a Likert scale question in which the participants should give a single answer by selecting a single option from a 1 to 5 scale. In particular, these options range from “Not at all” (1) to “Very satisfied” (5). Thirty-two out of seventy-seven participants (41,6%) chose “5” as their answer, twenty-three



participants (29,9%) chose “4”, seventeen participants (22,1%) chose “3”, three participants (3,9%) chose “2” and finally two persons (2,6%) chose “1”. The results are very positive and show clearly that most of the participants strongly believe in this effort.

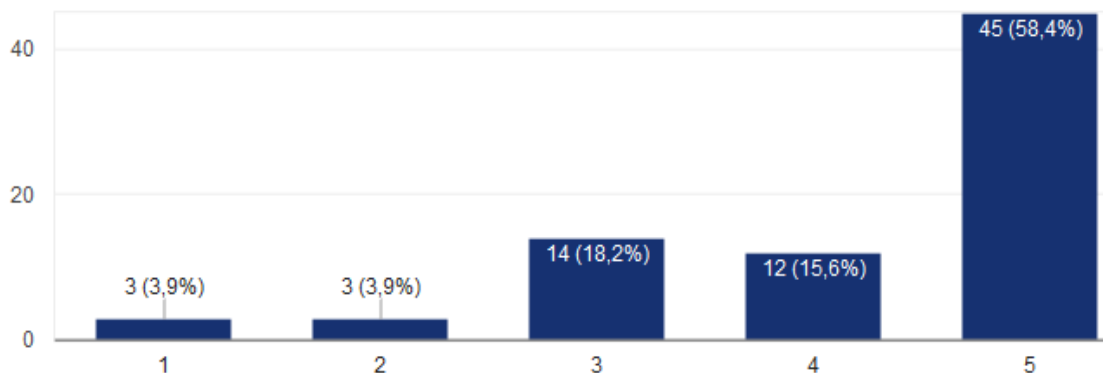


How do you find the quality of the courses?



This is a Likert scale question in which the participants should give a single answer by selecting a single option from a 1 to 5 scale. In particular, these options range from “Poor” (1) to “Excellent” (5). This question was used in order for the organizers to receive feedback concerning the quality of the courses. Thirty out of seventy-seven participants (39%) chose “4” as their answer, twenty-six participants (33,8%) chose “5”, twelve participants (15,6%) chose “3”, six participants (7,8%) chose “2” and finally three persons (3,9%) chose “1”. The answers of people who attended the workshop show that the courses were considered to be of high quality which means that the coordinators and the partners have accomplished a significant goal.

The Master’s program can respond to the academic needs in Jordan.



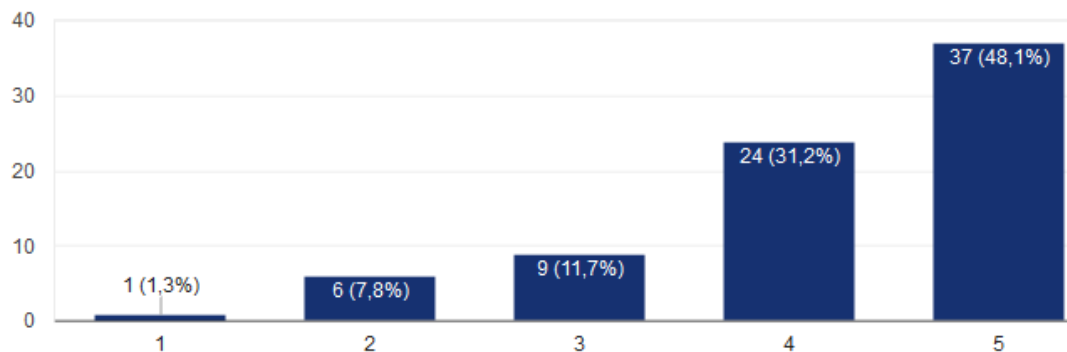
This is also a Likert scale question. The participants should answer it by selecting a single option from a 1 to 5 scale. In particular, these options range from “Not at all satisfied” (1) to “Very satisfied” (5). Forty-five out of seventy-seven participants (58,4%) chose “5” as their answer, fourteen participants (18,2%) chose “3”, twelve participants (15,6%) chose “4”, three participants



(3,9%) chose “2” and finally three persons (3,9%) chose “1”. The results show that the respondents are very optimistic about the effect this very Master’s program is going to have on Jordan’s academic environment.

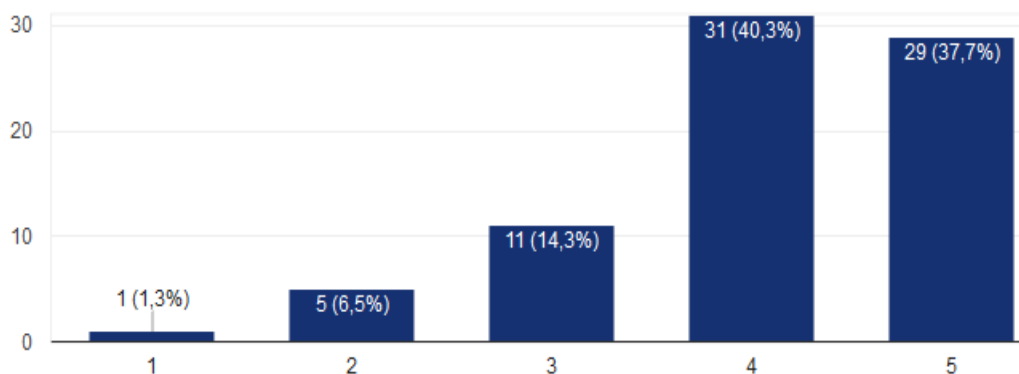
The Master’s program can cover industrial needs in Jordan.

This is also a Likert scale question in which the participants should select a single option from a 1 to 5 scale. These options range from “Not at all” (1) to “Very much” (5). Thirty-seven out of seventy-seven participants (48,1%) chose “5” as their answer, twenty-four participants (31,2%) chose “4”, nine participants (11,7%) chose “3”, six participants (7,8%) chose “2” and finally just a single person (1,3%) chose “1”.



To analyze the results, the respondents strongly believe that the effect of this Master’s programme will be huge in terms of covering Jordan’s industrial needs.

The Master’s program can qualify students to respond to the market needs in energy sector in the region.



This is a Likert scale question in which the participants should select a single option from a 1 to 5 scale. In particular, these options range from “Not at all” (1) to “Very much” (5). Thirty-one out of seventy-seven participants (40,3%) chose



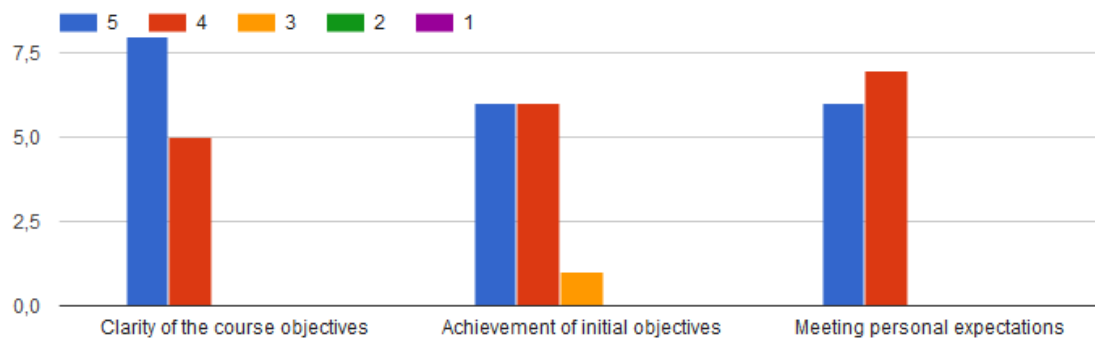
“4” as their answer, twenty-nine participants (37,7%) chose “5”, eleven participants (14,3%) chose “3”, five participants (6,5%) chose “2” and finally just a single one (1,3%) chose “1”. As for the results, the participants seem to be very optimistic about program’s covering the energy sector’s needs of the region.

4.3 Training in UCY

The first Training of the SEM SEM Project took place at the University of Cyprus, between the 6th and 10th of March 2017.

In the below pages, only the most significant aspects of the Training’s evaluation are presented, as a detailed presentation of the evaluation results was considered redundant for the purpose of the current report. *Please note that the full evaluation report for the Training in UCY has been compiled by Eurotraining and is available to any interested party.*

Please evaluate the OBJECTIVES of the course (using a scale from 5-Very High to 1-Very Low).

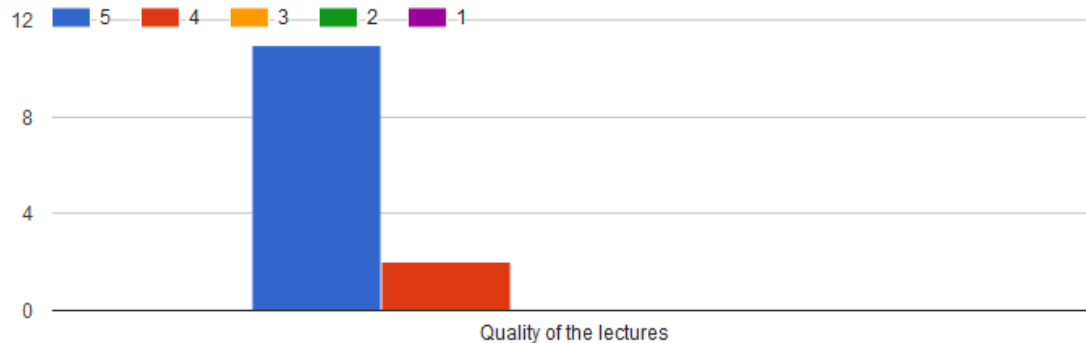


This question was used in order to figure out to what degree the objectives of the session were met. Eight out of thirteen participants (61,54%) chose “Very High” as their answer to the first sentence, while the rest of them chose “High”. This means that the aforementioned goal of the training session was accomplished. As for the second sentence both choices, namely “Very High” and “High”, were selected by the same number of participants (six for both of them), while just a single person gave the answer “Average”. Overall, it seems that the goals set in advance were partially met. Finally, with regard to the third



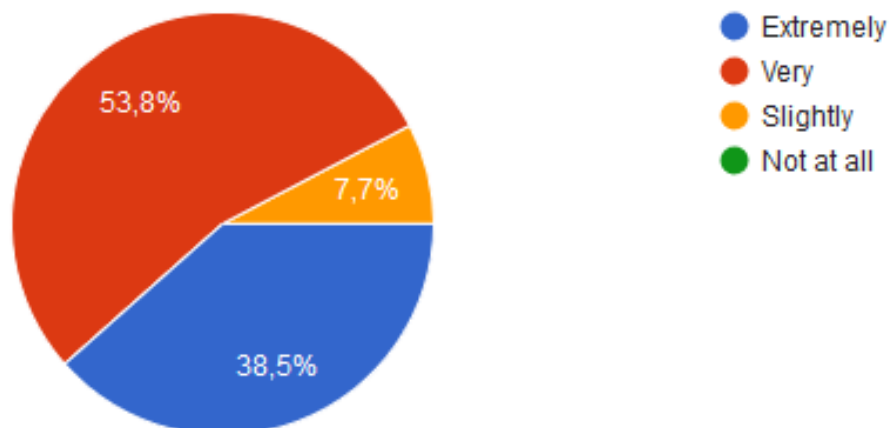
sentence, the choice “High” was the most preferable answer (seven out of thirteen respondents), while the choice “Very High” came second (six out of thirteen respondents). Given that all the participants were experienced in the session’s subject, the results are encouraging.

Please evaluate the LECTURES of the course (using a scale from 5-Very High to 1-Very Low).



Eleven out of thirteen respondents (84,62%) chose “Very High” as their answer, while the rest of them (two out of thirteen respondents) chose “High”. Without doubt, the results are very encouraging and highly satisfying, which makes this training session an example of quality excellence.

How satisfied are you with the laboratory session?

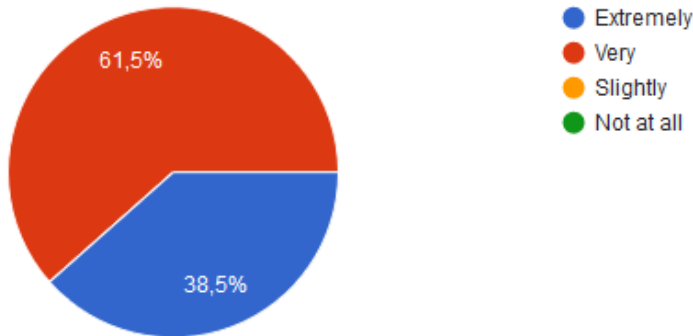


The majority of the group chose “Very” as their answer (seven out of thirteen respondents). Five out of thirteen participants chose “Extremely”, while just a single trainee decided to pick “Slightly”. There is no doubt that the feedback organizers received is encouraging, but definitely, there is scope for improving.



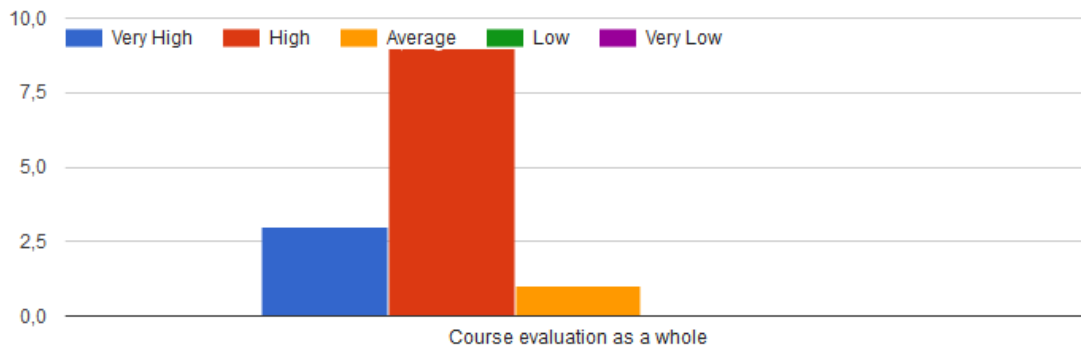
How satisfied are you with the organization and coordination of the workshop?

Eight out of thirteen participants chose “Very” as their answer, while the rest of them (five out of thirteen participants) chose “Extremely”. This



means that the organizers did an excellent job (all included).

Please complete the following question by choosing the answer that best depicts your views about the issue.



This is a bipolar question. The sentence given is: “Course evaluation as a whole”. The five possible options are: 1) Very Low, 2) Low, 3) Average, 4) High and 5) Very High. This question was used so that the coordinators would be able to measure the final result of their effort. Nine out of thirteen participants chose “High” as their answer, three out of thirteen participants chose “Very High” and just a single one chose “Average”. Overall, the results show that the whole effort was successful.



Conclusions

The overall feedback on the implementation of the project's tasks and activities for the third semester, can be considered satisfactory. Some delays were reported in tasks of WP5 and WP6, thus the partnership should ensure that these will not affect the overall implementation of the project or cause chained delays in other WPs.

Partners were satisfied by the cooperation among the partnership, even though there is still room for improvement regarding the implementation of the project's procedures. Partners seemed to have higher expectations that were not fully met, and that is surely something that has to be considered for improvement. The evaluation of the implementation's methodology could have, also, been better, as partners expressed some dissatisfaction about its efficiency and stability.

The evaluation results of the three events that were organized during the 3rd semester (2nd Project Meeting, Workshop in Amman, Training in UCY) can, also, be considered positive. Partners responded that after the 2nd Project Meeting their roles and responsibilities within the project were clarified, as well as that communication among the partnership was improved due to the meeting's procedures.

Participants of the Workshop shared their opinions on the Master that is currently under development in the framework of the project, highlighting the high quality of the content and the direct response to students' and the industry's needs. Participants of the Training in UCY were very satisfied by the quality of the lectures, as well as the coordination of the Workshop and the organization of the laboratory session.

In general, the progress of the project during the 3rd semester can be characterised as satisfactory, even though some delays did occur. The partnership should use the evaluation feedback provided in this report in order to improve the implementation process and ensure that the timeline of the project is followed, while at the same time high-quality results are produced.