



SEM-SEM



Smart Control Systems for Energy Management

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

Evaluation Report

for the training held on 6th to 10th
March 2017 at University of Cyprus
in Cyprus



Project Acronym:	SEM-SEM
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Introduction – Purpose of this document

As foreseen in the project proposal and, consequently, in the SEM-SEM QA Plan, the QA of the SEM-SEM project will be continuous; thus, will be implemented throughout the project lifetime. Evaluation is necessary to improve the quality of the project and its products. According the proposal and the Work Package 12 (Quality Plan), EUROTraining is responsible for monitoring the progress of the activities and gathering the results and going on to compose the relevant reports. For this reason, after each and every session (training/workshop/project meeting), a questionnaire should be filled by the participants.

In the aforementioned framework, this evaluation report aims at outlining the outcomes of the first training that was held in Cyprus on 6th to 10th March 2017. The trainees who attended this session and answered the questionnaire were thirteen. In this point, it is remarkable that EUROTraining used Google Forms in order to create the questionnaire. Google Forms is part of Google's online apps suite of tools to help whoever needs it to get more done in their browser easy and for free. In short, one can summarize survey results at a glance with charts and graphs.

Results' Analysis

This part of the document contains a summary and statistical analysis of the answers given by the training's participants. Graphs are included so that the analysis can be made more informative.

It's important to mention some information about the procedure:

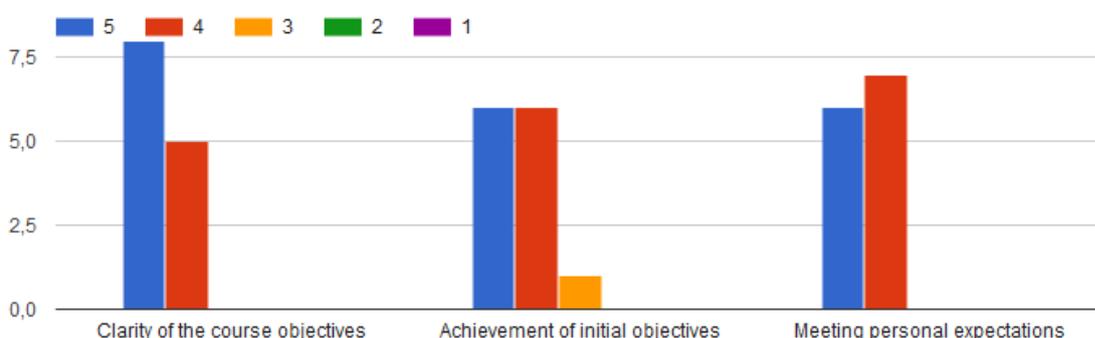
Date: 6th to 10th March 2017

Number of respondents: 13

❖ **Question 1: "Name & Surname (optional) / Question 2: Profession or Status (optional)".**

The two questions at the beginning of the questionnaire are about personal information such as name, surname and profession. As expected, none of the participants chose to answer those questions. It has been observed that the vast majority of people taking part in training sessions are unwilling to evaluate their instructors openly. That's the reason why the creator of the questionnaire does not consider these questions mandatory to get answered.

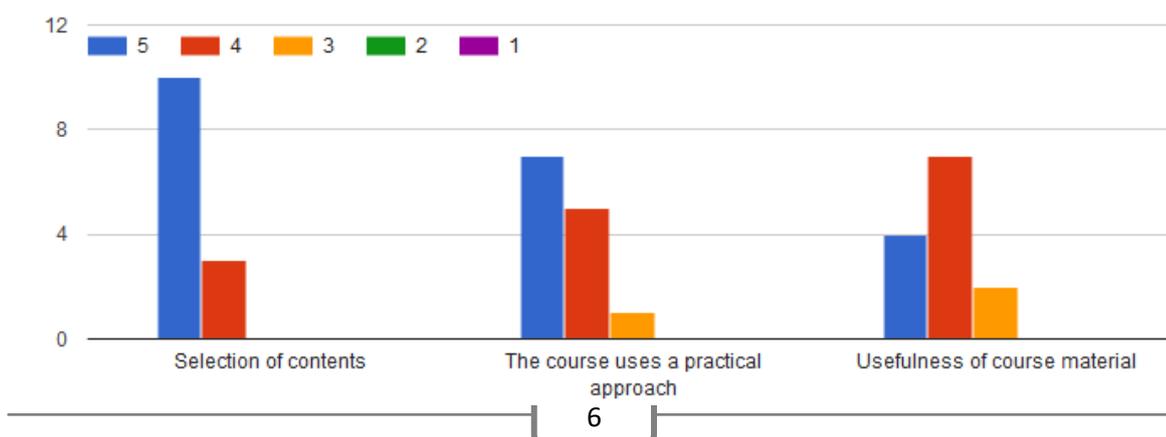
❖ **Question 3: "Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the OBJECTIVES of the course (using a scale from 5-Very High to 1-Very Low)."**



This is a bipolar question. The three sentences-objectives given are: 1) Clarity of the course objectives, 2) Achievement of initial objectives and 3) Meeting personal expectations. The five possible options are: 1) Low, 2) Very Low, 3) Medium / Moderate, 4) High and 5) Very High.

This question was used in order to figure out to what degree the objectives of the session would be 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.

❖ **Question 4: “Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the CONTENT / METHODOLOGY of the course (using a scale from 5-Very High to 1-Very Low).”**



This is a bipolar question. The three sentences given are: 1) Selection of contents, 2) The course uses a practical approach and 3) Usefulness of course's material. The five possible options are: 1) Low, 2) Very Low, 3) Average, 4) High and 5) Very High.

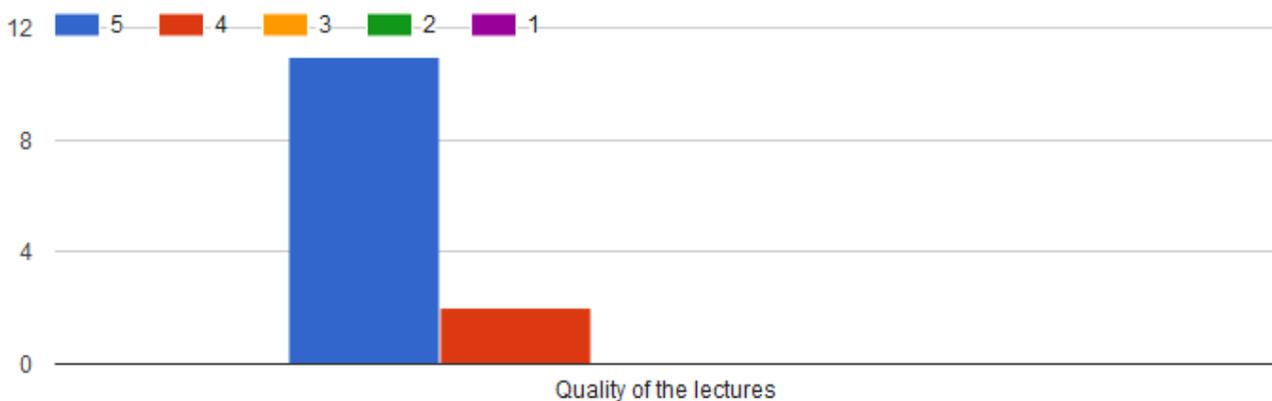
This question was created so that the methodology and the content of the session could be measured. As to the first sentence, almost everybody (ten out of thirteen respondents) chose "Very High" as their answer. There were only three participants that chose a different answer, which was the choice "High". So, there is no doubt that the trainees were completely satisfied with the content selection.

In respect to the second sentence, seven out of thirteen participants chose "Very High" as their answer, five participants chose "High" and, finally, just a single one chose "Average". Despite the fact that almost every respondent thought that the course included a considerable amount of practical applications, it is notable when looking the results that some of them would like even more practical.

Lastly, with regard to the third sentence, the choice "High" was the most preferable one (seven out of thirteen respondents). The choices "Very High" and "Average" were selected by four and two respondents respectively. Overall, under no circumstances should the partners neglect to take into account that the vast majority of the trainees did not choose "Very High" as their answer. The partners responsible for gathering and organizing the training material of the forthcoming training sessions should find out the reasons why the participants held this opinion on the matter and adjust their work in order to be in sync with the needs of the participants.

❖ **Question 5: “Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the LECTURES of the course (using a scale from 5-Very High to 1-Very Low).”**

This is a bipolar question. There is only one sentence given, which is: Quality of the lecture. The five possible options are: 1) Low, 2) Very Low, 3) Average, 4) High and 5) Very High. This question was used so that the partners would be able to measure the quality of the session. The results are even more important if one considers the level of professional and academic experience of trainees.



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.



Question 6: “Which lecture did you like MOST and why?”

Dr. Marios (2)
I like the lecture about the test and inspection, the lab staff were just perfect, very helpful and very professional.
PV design principle
Practical test.
Unit 14: how to detect fault units.
Calculating the size of the PV and its performance. The lab visit with practical tests.
Health & safety.
Marios give us useful information.
Inspection & evaluation. This is an important topic in Egypt.

This is an open-ended question. By using this type of question, the questionnaire’s creator intended to give the trainees an opportunity to express themselves without any restriction. ***It is notable that three out of thirteen trainees decided to pick the lecture of Dr. Marios as their favorite.*** Furthermore, there were a few participants (two) who decided to make reference to the part of the session which was about the inspection. To conclude, these results could be proved an extremely valuable source of information for those who organize and arrange such training sessions.

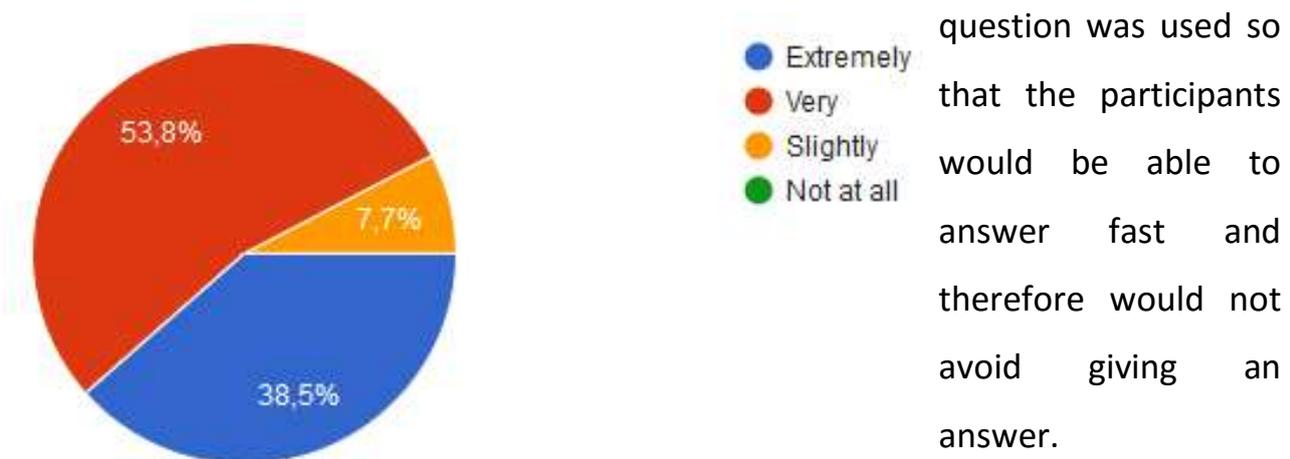
❖ Question 7: “Which lecture did you like LESS and why?”

none (4)
I think the whole lecture is important, but i can say that the part about the legislation need some update. The rest are just perfect.
Unit 11: needs further practical demonstration.
Introduction part as my previous experience in solar energy.

This is also an open-ended question. It was used in order to encourage the participants to write whatever they thought about the matter. It is remarkable that ten out of thirteen trainees wrote either nothing or the word “none”. Furthermore, it is worth mentioning that one participant pointed out that he wanted further practical demonstration. This is something that must be taken into account by the organizers of the next training sessions in order to produce even better results.

❖ **Question 8: “How satisfied are you with the laboratory session?”**

This is a multiple-choice question which asks for a single answer. It consists of four options which are: 1) Extremely, 2) Very, 3) Slightly, 4) Not at all. This kind of

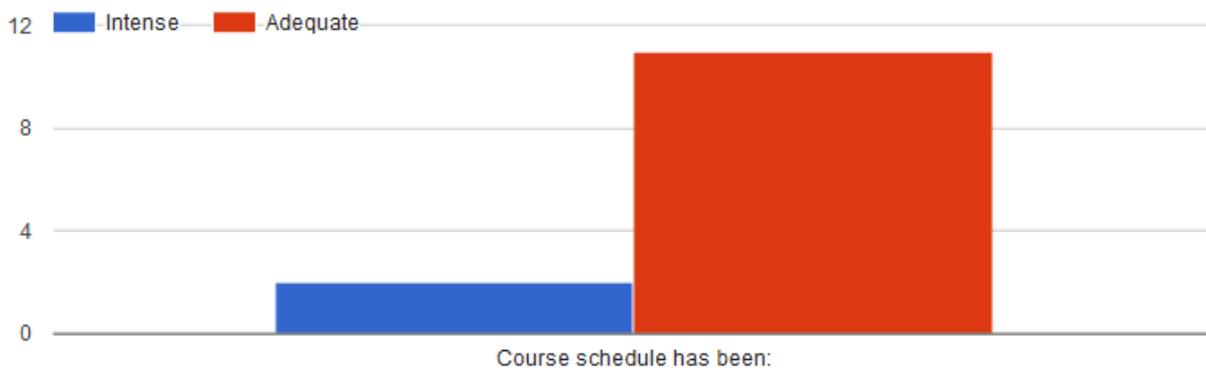


question was used so that the participants would be able to answer fast and therefore would not avoid giving an answer.

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.

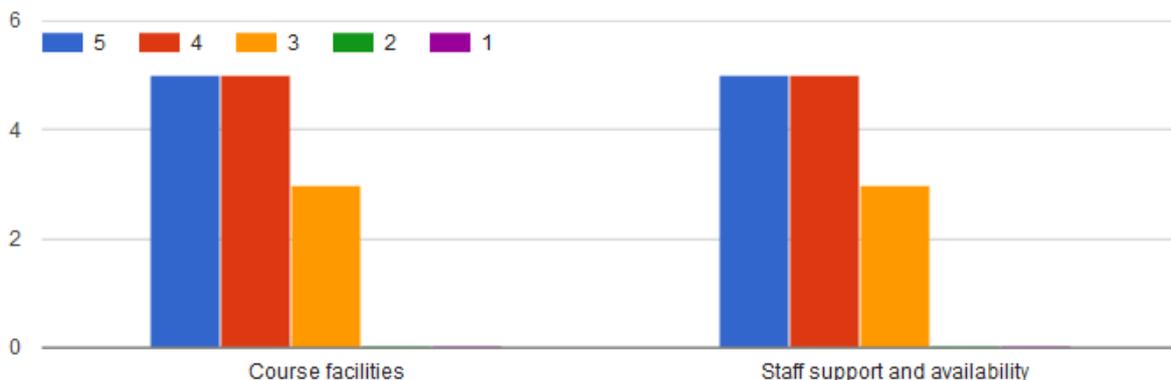
❖ **Question 9: “Organization: Please complete the following question by choosing the answer that best depicts your views about the issue.”**

This is a dichotomous question. The sentence given is: “Course schedule has been:”. The two possible answers are: 1) Intense and 2) Adequate. This question was used so that the participants would be able to share their opinion fast and easy about this important issue. The vast majority of the respondents decided to



go for “Adequate” (eleven out of thirteen participants), while only two of them chose the other possible answer. The results describe in a colorful way that the organizers did a very good job in terms of building a course schedule.

❖ **Question 10: “Organization: Please complete the following question by choosing the answer that best depicts your views about the issue.”**



This is a scaled question. The sentences given are: 1) Course facilities and 2) Staff support and availability. There are five possible options: 1) Very Low, 2) Low, 3) Average, 4) High and 5) Very High. As for the first sentence, both the option “Very High” and the option “High” were chosen by the same number of participants (five out of thirteen respondents for both options). The rest of the participants (three out of thirteen) chose “Average” as their answer. One looking at the results can easily conclude that the chosen facilities could have been better. As for the second sentence, the results are the same as the results of the first sentence. Although the organizers made a remarkable effort in order to set up the training session, there is no doubt that they could have reached an even higher level of support.

❖ **Question 11: “Organization: Please complete the following question by choosing the answer that best depicts your views about the issue.”**

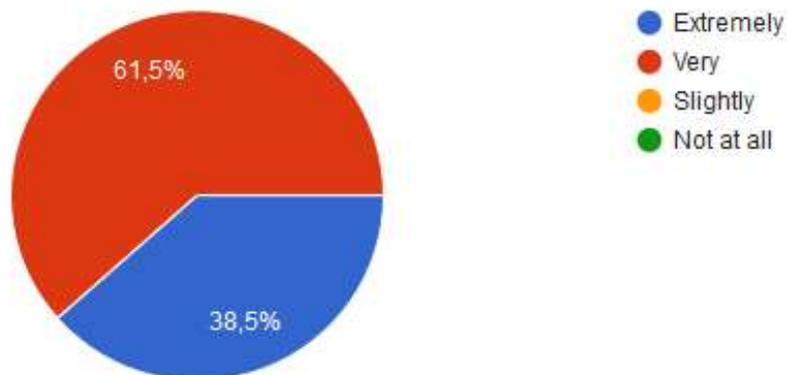
This is a Likert scale question. The sentence given is: Course duration. The three possible options are: 1) Short, 2) Adequate and 3) Long. This question was used so that the organizers of the forthcoming training sessions (partners) could check out the answers and adjust their course duration in order to meet the expectations of the trainees. Twelve out of thirteen participants chose “Adequate” as their answer. Although there was a participant who chose “Short” as his answer, one can easily infer that everyone was completely satisfied with the session’s duration.



❖ **Question 12: “How satisfied are you with the organization and coordination of the workshop?”**

This is a multiple-choice question which asks for a single answer. The four possible options are: 1) Extremely, 2) Very, 3) Slightly and 4) Not at all. This question was used so that the partners responsible for the coordination of the session would be able to evaluate their effort.

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).

❖ **Question 13: “What would you do to improve this workshop?”**

I would make it longer. More lab work. More practice. I would also test the trainees in order to be sure that all were active during the course.

Adding a software part for training.

to give the material to the trainees.

nothing to improve in my opinion.

More practical and lab sessions. I would make the slides, notes and training material available to the participants.

I would make the practical sessions longer. I would deliver the training material to the participants. I would run round table discussions.

I would make a quiz on each unit.

Discuss readings. Do some laboratory experiments.

I would make material available.

I would be happy to include a section on PV system modeling.

This is an open-ended question. It was used so that the participants could share their ideas without any restriction. It is notable that many trainees (five out of thirteen) mentioned that they would have made the material available to everyone if they had been the organizers. Moreover, there were a few participants (four out of thirteen) that they would rather the time of the practical application had been longer. Without doubt, these answers are a valuable source of information so that the forthcoming training sessions will be coordinated in an even better way.

❖ **Question 14: “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.**

Annex – Questionnaire

This part of the document consists of 12 images taken by the author so that the form of each and every question can be seen by whoever is interested.

Question 1, 2:

Evaluation Questionnaire

1st Training, 6th to 10th March 2017, University of Cyprus, Cyprus

1. Name & Surname (optional)

Κείμενο σύντομης απάντησης

2. Profession/Status (optional)

Κείμενο σύντομης απάντησης

Question 3:

3. Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the OBJECTIVES of the course (using a scale from 5-Very High to 1-Very Low).

	5	4	3	2	1
Clarity of the course objectives	<input type="radio"/>				
Achievement of initial objectives	<input type="radio"/>				
Meeting personal expectations	<input type="radio"/>				



Question 4:

4. Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the CONTENT / METHODOLOGY of the course (using a scale from 5-Very High to 1-Very Low).

	5	4	3	2	1
Selection of contents	<input type="radio"/>				
The course uses a practical approach	<input type="radio"/>				
Usefulness of course material	<input type="radio"/>				

Question 5:

5. Please complete the following question by choosing the answer that best depicts your views about the issue. Please evaluate the LECTURES of the course (using a scale from 5-Very High to 1-Very Low).

	5	4	3	2	1
Quality of the lectures	<input type="radio"/>				

Question 6, 7:

6. Which lecture did you like MOST and why?

Κείμενο μακροσκελούς απάντησης

7. Which lecture did you like LESS and why?

Κείμενο μακροσκελούς απάντησης



Question 8:

8. How satisfied are you with the laboratory session?

- Extremely
- Very
- Slightly
- Not at all

Question 9:

9. Organization: Please complete the following question by choosing the answer

	Intense	Adequate
Course schedule has been:	<input type="radio"/>	<input type="radio"/>

Question 10:

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

	5	4	3	2	1
Course facilities	<input type="radio"/>				
Staff support and availability	<input type="radio"/>				



Question 11:

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

	Short	Adequate	Long
Course duration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Question 12:

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

- Extremely
- Very
- Slightly
- Not at all

Question 13:

13. What would you do to improve this workshop?

Κείμενο μακροσκελούς απάντησης

Question 14:

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

	Very High	High	Average	Low	Very Low
Course evaluation as a whole	<input type="radio"/>				