



**SEM-SEM**



**Smart Control Systems for Energy Management**

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

**Evaluation Report**  
**for the training held in November**  
**2017 at Mutah University, in Karak,**  
**Jordan**



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## a. 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 to 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 in by all participants.

In the aforementioned framework, this evaluation report aims at outlining the outcomes of the training that was held at the Mutah University in November 2017. EUROTraining used Google Forms in order to create the questionnaire and easier distribute it to participants. Google Forms is part of Google's online apps suite of tools, it's user – friendly and provided for free. In total, twenty-seven responses were gathered.

## b. 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 is easier understandable.

### Question 1: "Name and Surname"

The first question of the evaluation questionnaire was about the name and surname of the respondents. Participants' personal data will be kept confidential by Eurotraining.

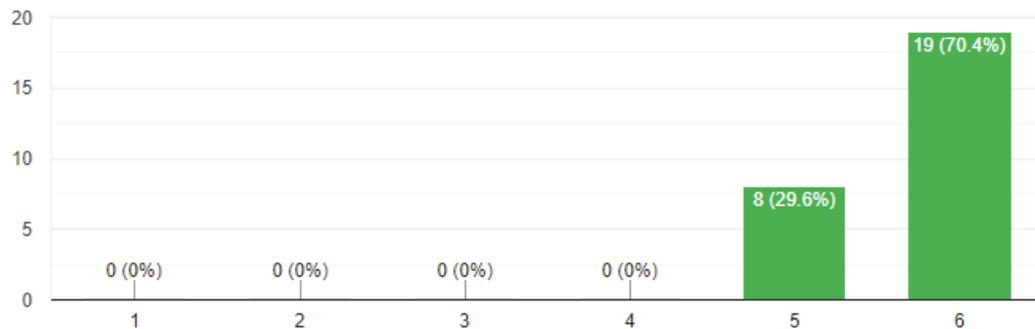


### Question 2: “Profession/Institute”

The second question was, also, about some personal information of the respondents, namely their profession and/or the partner organization they represented during the training. This data will, also, be kept confidential by Eurotraining and used only for statistical purposes.

### Question 3: “The objectives of the training were clearly defined”

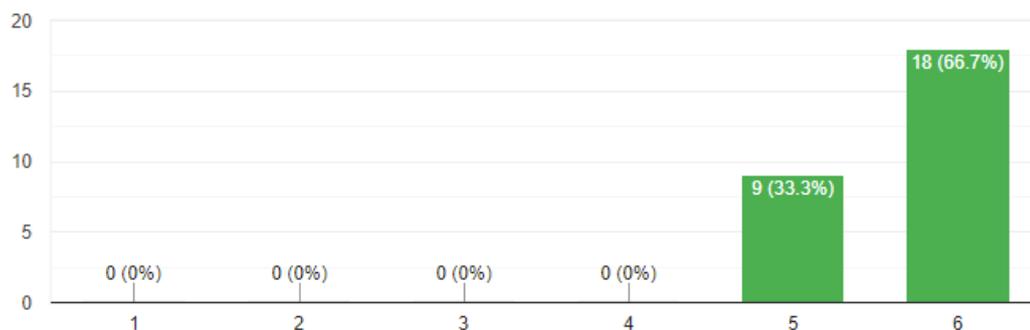
27 responses



In the first question, participants were asked to evaluate the clarity of definition of the training’s objectives. Nineteen out of twenty-seven respondents (70.45%) “Totally agreed” that the objectives were clearly defined, while another eight participants (29.6%) “Agreed” with that.

### Question 4: “Selection and topics were appropriate to my role and responsibilities”

27 responses



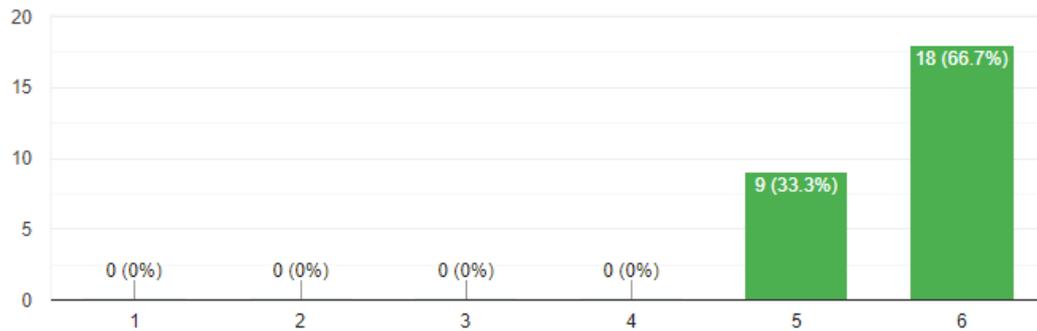
The majority of participants (66.7%) “Totally agreed” that the selection and topics were appropriate for their roles and responsibilities, whereas another



nine participants (33.3%) “Agreed”. These results indicate that all participants were familiar (at some level) with the topics of the training, a fact that could facilitate the training procedure and multiply its effectiveness.

### Question 5: “The training improved my understanding of the subject”

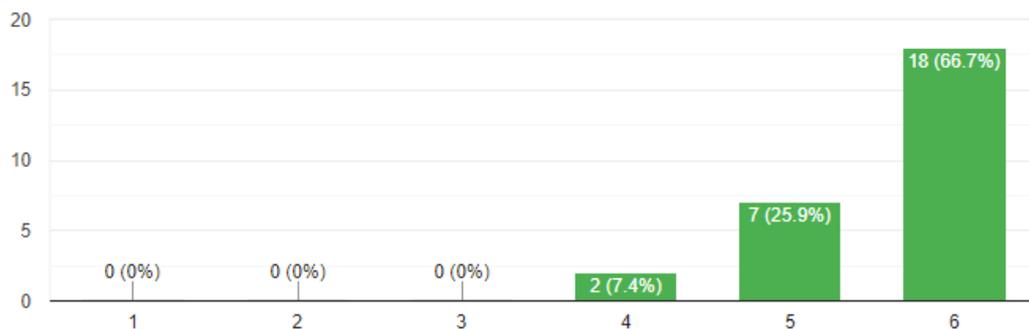
27 responses



Regarding the effect of the training on participants’ knowledge, eighteen respondents (66.7%) “Totally agreed” that the training improved their understanding of the subject. The remaining nine participants (33.3%) “Agreed” with this statement. It can be safely said that the training contributed to the overall improvement of participants’ knowledge on the subject.

### Question 6: “I will be able to apply the knowledge acquired”

27 responses



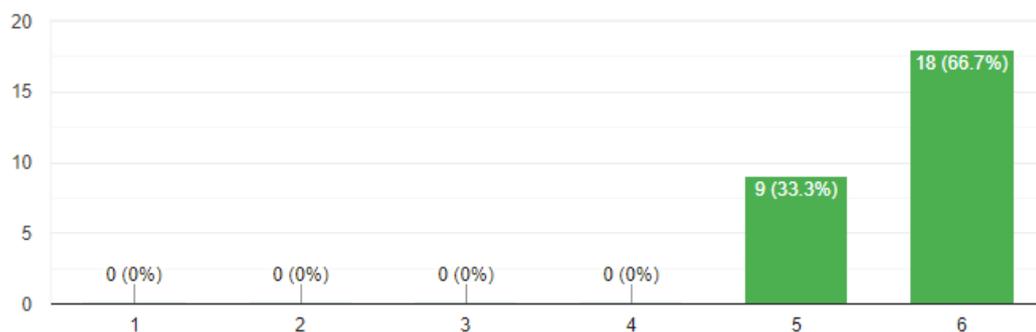
In this question, participants were asked about their future ability to apply the knowledge acquired during the training. Most of them, eighteen out of twenty-seven (66.7%) “Totally agreed” that they will be able to apply this knowledge, seven participants (25.9%) “Agreed” and two (7.4%) “Rather agreed”.



Responses indicate that all participants will utilize at some level the knowledge acquired, even though some of them were more confident than others in that end, a fact that can be attributed to different professional fields of expertise.

Question 7: “Visual and supporting material were useful and easy to follow”

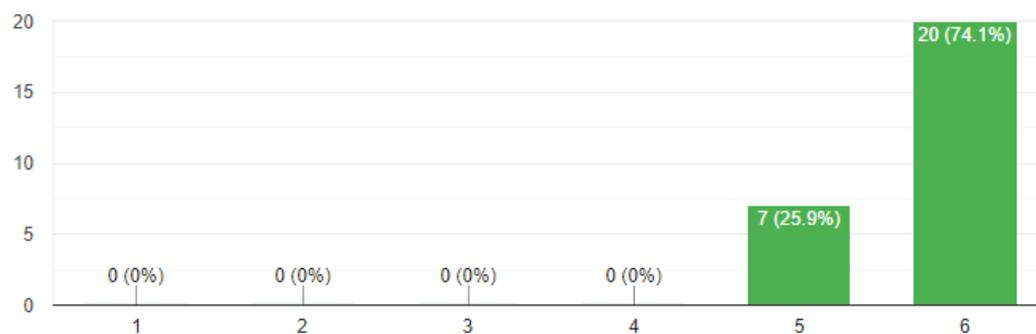
27 responses



The quality of the visual and supporting material during the training can affect the implementation of the training, as such material is necessary for the effective assimilation of knowledge and better understanding of the topics discussed. The majority of participants (66.7%) “Totally agreed” that the visual and supporting material were useful and easy to follow, whereas nine respondents (33.3%) “Agreed”.

Question 8: “Participation and interaction were encouraged”

27 responses



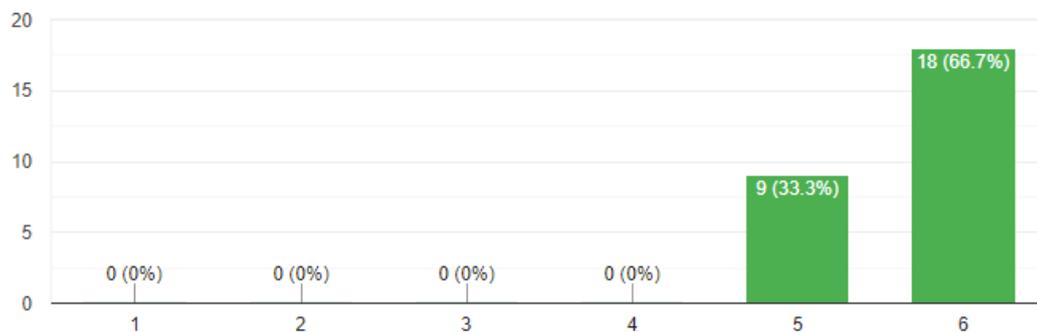
Another factor that can contribute to the implementation of a successful training is the level of participation and interaction among the group. In this question,



twenty participants (74.1%) “Totally agreed” that participation and interaction were encouraged during the training, while seven (25.9%) “Agreed”. As responses show, participants were, in general, satisfied by this aspect of the training.

Question 9: “There was a correct balance between theoretical exercises and discussion”

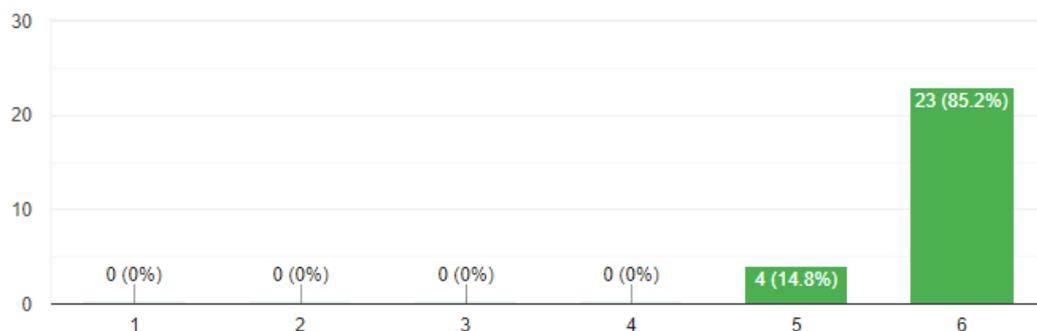
27 responses



Regarding the balance between theoretical exercises and discussion, eighteen participants (66.7%) “Totally agreed” that the balance was correct, while another nine (33.3%) “Agreed”. In overall, results indicate that participants’ views were positive about the balance of theory and discussion during the training.

Question 10: “The trainer was well prepared”

27 responses



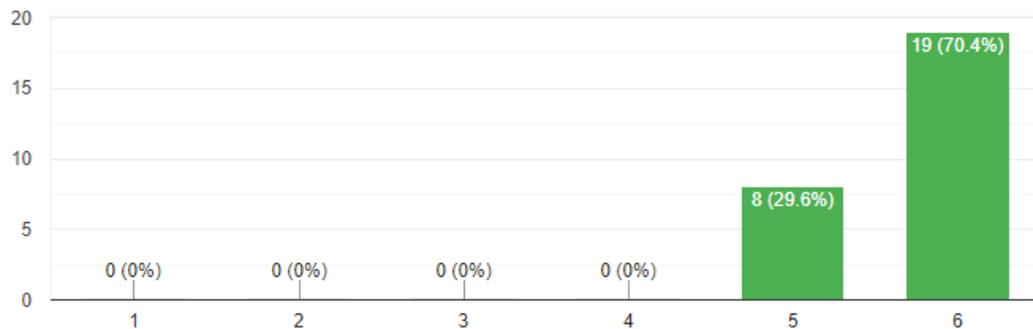
In this question, the majority of participants (85.2%) “Totally agreed” that the trainer was well prepared for his/her role, while four participants (14.8%)



“Agreed”. It can be safely said that the trainer satisfied the expectations of participants, contributing to the effectiveness of the training.

### Question 11: “The training objectives were met”

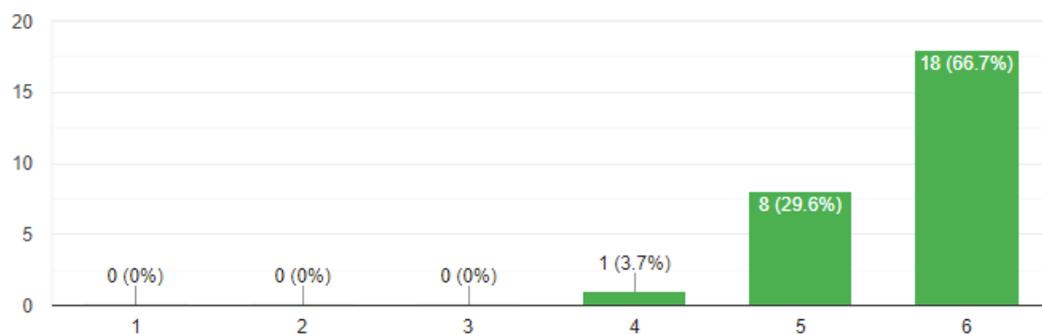
27 responses



As far as the training’s objectives is concerned, nineteen respondents (70.4%) “Totally agreed” and eight (29.6%) “Agreed” that they have been achieved. This question is highly correlated to the clarity of definition of the objectives, as participants who had already in mind the objectives were able to identify if these were actually met. The combined results are positive, as participants in general both knew the objectives and responded that they were actually achieved.

### Question 12: “How do you rate the duration, date and timing of the training?”

27 responses



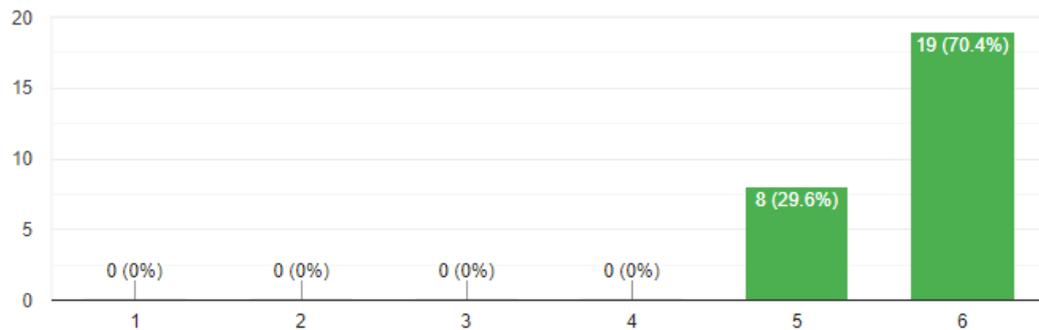
Regarding the duration, date and timing of the training, eighteen participants (66.7%) evaluated them as “Excellent”, eight (29.6%) as “Very good”, and one (3.7%) as “Good”. It seems that even though results are not discouraging, there



might be some room for improvement, taking into consideration the importance of these aspects for the training in overall.

### Question 13: “Overall evaluation of the training”

27 responses



In overall, the training was evaluated as “Excellent” by nineteen out of twenty-seven participants (70.4%) and “Very good” by eight participants (29.6%).

### Question 14: “Which topics would you suggest for future training sessions?” (optional)

This question was an open – ended question where participants were asked to recommend topics to be included to the next trainings. This was an optional question that gathered six responses, as follows:

6 responses

- it was very useful, but we need more time
- Thank you
- Longer time sessions will be better
- we need more collaboration programs like this one, it was very useful and sure it will affect us positively and will reflect on our daily tasks
- The smart systems is my focus so more training in this area will be beneficial as it can be used in different real life applications
- More about sending and data processing units.



Question 15: Which aspects do you think could be improved for the next training sessions? Any additional comments? (optional)

The last question of the evaluation was, also, an optional open – ended question, where participants had the opportunity to suggest any possible improvements for the next trainings or make any additional comment. Only three participants chose to answer.

3 responses

Thank you

More training lectures and encouraging the collaboration with the European Universities in research

More training time will be very helpful

### c. Final Remarks

The evaluation of the training in MU was conducted through an on – line questionnaire that consisted of fifteen questions: two optional regarding some personal information of the respondents, eleven evaluating questions of linear scale (1: I totally disagree // 2: I disagree // 3: I rather disagree // 4: I rather agree // 5: I agree // 6: I totally agree or 1: Very poor // 2: Poor // 3: Balanced // 4: Good // 5: Very good // 6: Excellent, depending on the type of the question), and two optional, open – ended question for recommendations and additional comments. As the analysis of the evaluation's results indicates, the training can be considered successful. The majority of responses were gathered among the best two options (options 5 and 6), while there were also some responses at the scale of 4.

Participants' opinions were most favorable regarding the clarity of the training's objectives, the encouragement of participation and interaction, and the well-preparedness of the trainer. There might still be some room for improvement in the organization of the duration, date and timing of the training, all very important aspects for an effective training.