



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 the 21st to
23rd of November 2017 at
Eurotraining, in Athens, Greece



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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 in Athens on the 21st to 23rd of 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.

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" (optional)

The first question of the evaluation questionnaire was about the name and surname of the respondents. As participants in evaluations tend to prefer to keep their anonymity during the process, this question was not obligatory. However, sixteen out of twenty – one respondents chose to answer it, expressing a general feeling of trust.

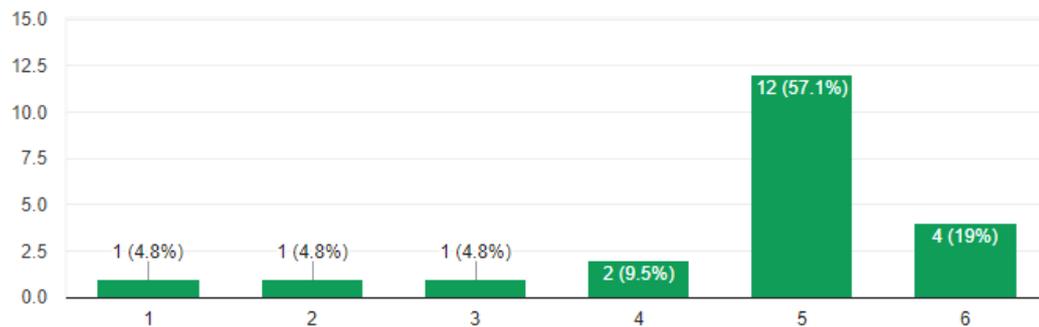


Question 2: “Profession/Status” (optional)

The second question was, also, about some personal information of the respondents, namely their profession or status. That kind of information can be very useful for the evaluation, as it would be good to know how participants are related to the project and its objectives. Even though that this question was not compulsory either, sixteen participants chose to answer it as well.

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

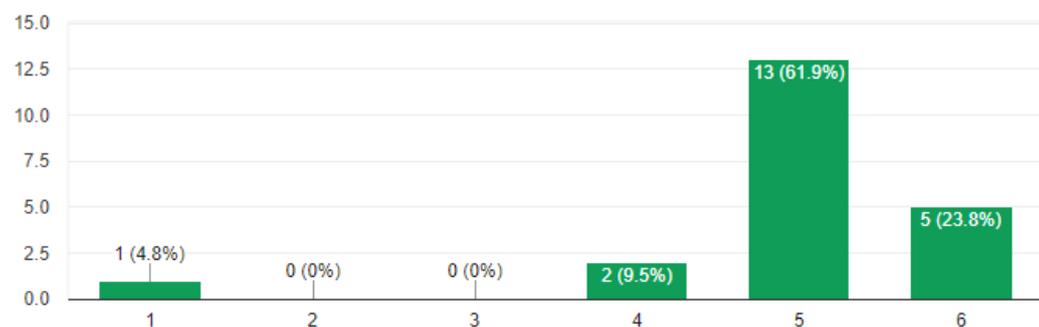
21 responses



In that question, participants were asked to evaluate the clarity of the training’s objectives. As the graph shows, the majority of participants (57.1%) “agreed” that those objectives were clearly defined, while another four (19%) “totally agreed”. Two participants (9.5%) “rather agreed”, whereas the remaining three options, “rather disagree”, “disagree” and “totally disagree”, gathered one answer each (4.8%). Even though most participants were at some level satisfied by the definition of the training’s objectives, the fact that some unfavorable reviews were gathered should be taken into consideration.

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

21 responses

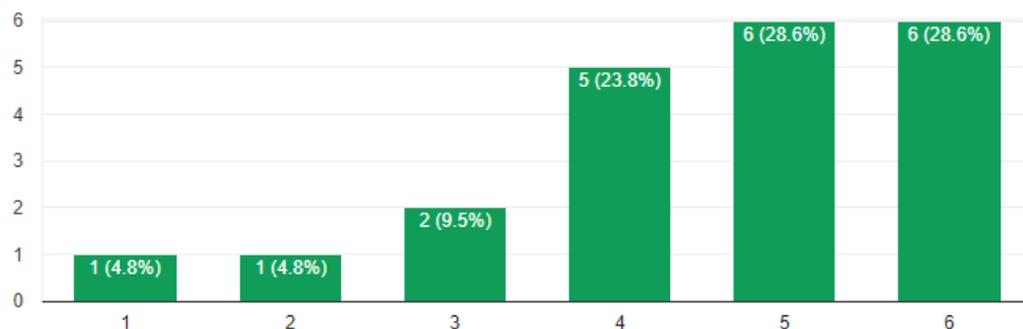




Regarding the topics of the training, thirteen out of twenty – one participants (61.9%) “agreed” that the selected topics were appropriate to their roles and responsibilities, while five (23.8%) “totally agreed”, and two (9.5%) “rather agreed”. However, there was, also, one respondent who “totally disagreed” about the appropriateness of the topics compared to his/her role and responsibilities.

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

21 responses

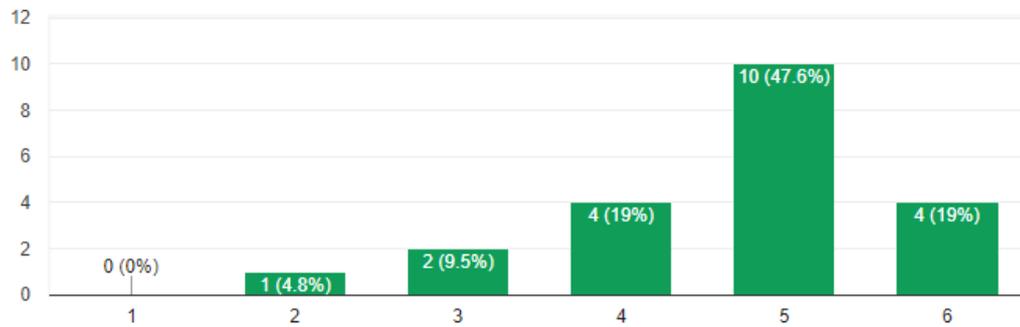


In that question, participants were asked to evaluate the effect of the training on their understanding of the relevant subject. Most answers were gathered among the three most positive options, as six participants (28.6%) “totally agreed”, another six (28.6%) “agreed”, and five (23.8%) “rather agreed” that their understanding on the subject was improved after the training. Nevertheless, two participants (9.5%) “rather disagreed”, one (4.8%) “disagreed”, and another one (4.8%) “totally disagreed” with that. Organizers should focus on holding a training that contributes to the better understanding of the subjects covered, taking into account a variety of expectations and previous knowledge of participants.



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

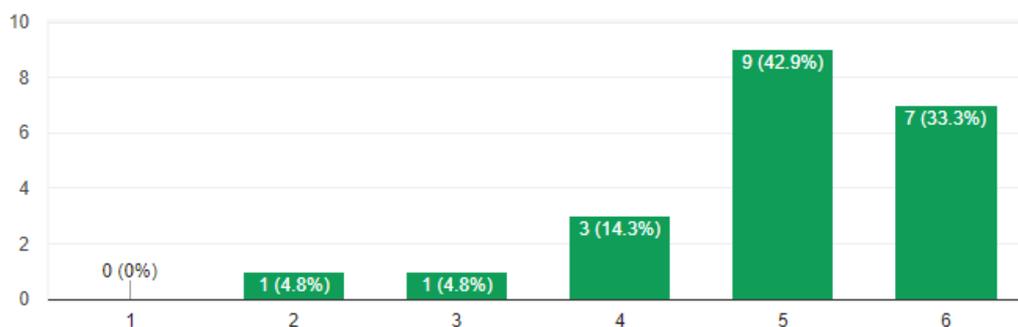
21 responses



Another important aspect of the training is to provide knowledge that can be later applied by participants. As results indicate, ten out of twenty – one (47.6%) “agreed” that they will be able to apply the knowledge they acquired, while four (19%) “totally agreed” and another four (19%) “rather agreed”. On the other hand, two participants (9.5%) “rather disagreed” and another one (4.8%) “disagreed” about their ability level to put that knowledge into practice. Although opinions on that matter are in general positive, some focus should be put on developing a training whose contents have a wider applicable aspect.

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

21 responses



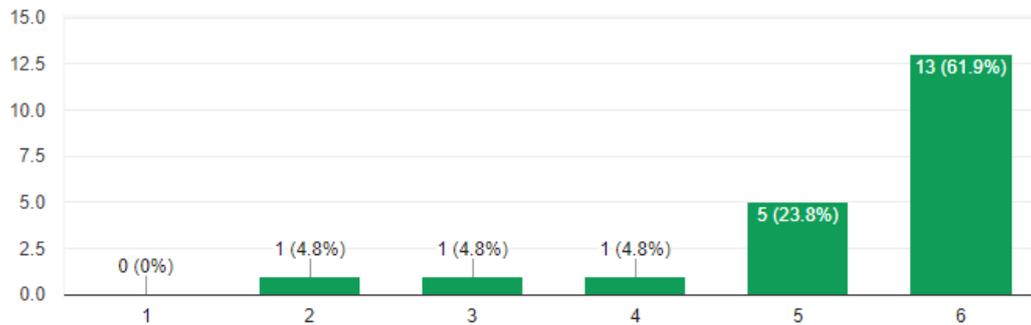
In that question, participants were asked to evaluate the visual and supporting material that was used during the training, specifically its usefulness and easiness to follow. One third of participants (33.3%) “totally agreed” that the material was useful and easy to follow, while 42.9% “agreed”, and 14.3% “rather agreed”. Two participants, one each (4.8%), chose the answers “rather



disagree” and “disagree”. As results depict, respondents were very satisfied by the visual and supporting material’s usefulness and easiness to follow.

Question 8: “Participation and interaction were encouraged”

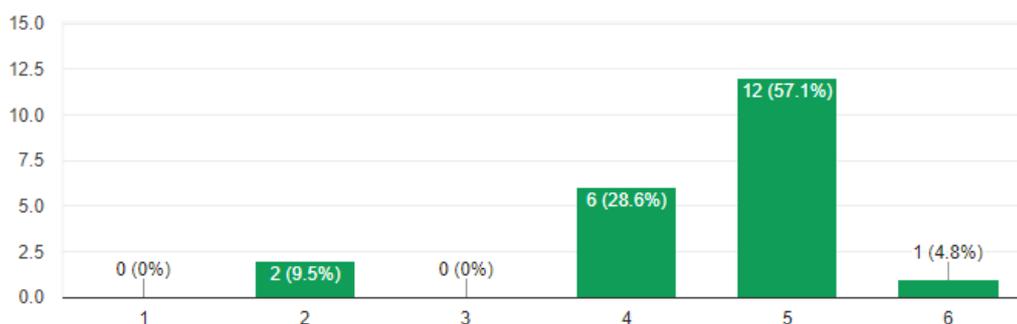
21 responses



Except for the material presented during the training, another important feature of an effective training session is the participation and interaction of those involved. As results indicate, the majority of participants (61.9%) “totally agreed” that they were encouraged to participate and interact during the training, while 23.8% “agreed” and 4.8% “rather agreed”. However, there was also one participant (4.8%) who “rather disagreed” and another one (4.8%) who “disagreed” about the level of participation and interaction’s encouragement. In general, participants were satisfied by that aspect of the training, which can surely contribute to an overall positive evaluation.

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

21 responses



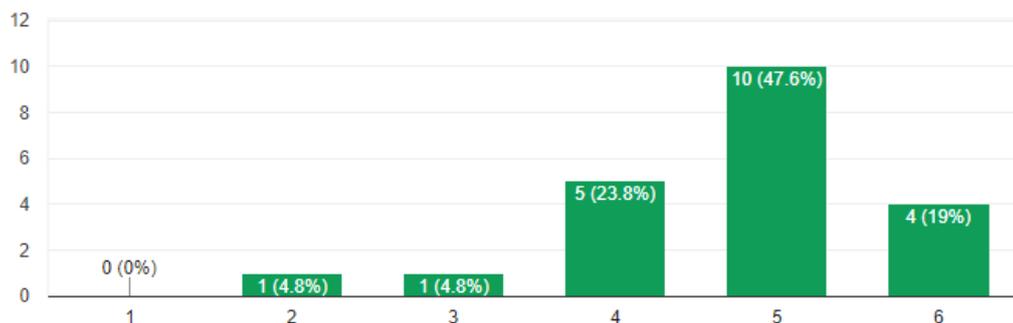
Regarding the balance between theoretical exercises and discussion, responses are mainly positive. More specifically, twelve out of twenty – one



“agreed” that the relevant balance was correct, one (4.8%) “totally agreed”, while six (28.6%) “rather agreed”. There were also two respondents (9.5%) who “disagreed” about the correct level of balance between theoretical exercises and discussion. Although the general view of that aspect of the training is positive, focus should be put on the less favorable opinions in order to use them for future improvement.

Question 10: “The trainer was well prepared”

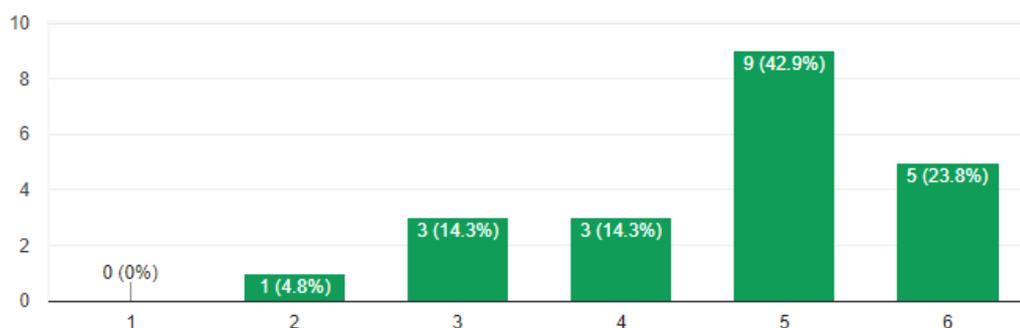
21 responses



In that question, participants were asked to evaluate the preparedness of the trainer. Ten out of twenty – one participants (47.6%) “agreed” that the trainer was well – prepared, four (19%) “totally agreed”, while another five (23.8%) “rather agreed”. Additionally, one participant (4.8%) “rather disagreed” and another one (4.7%) “disagreed” about the right preparation of the trainer. The valuable feedback of that question should be investigated, so as to provide information that can be used for improvement.

Question 11: “The training objectives were met”

21 responses



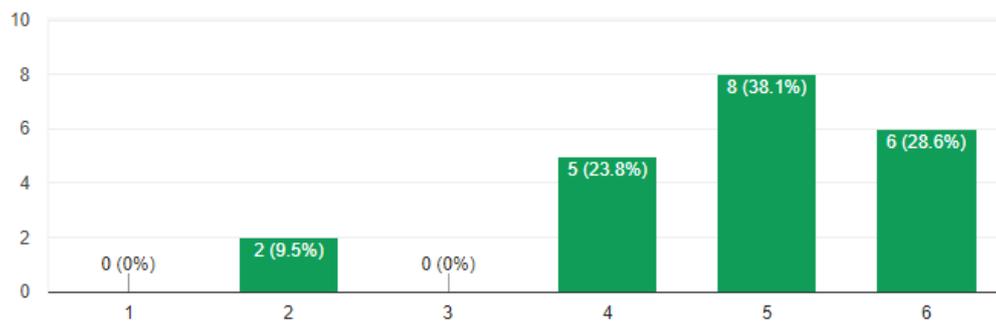
An important part of an effective training is the accomplishment of its initial objectives. As the above graph indicates, the majority of participants (42.9%)



“agreed” that the training’s objectives were met, five participants (23.8%) “totally agreed”, three (14.3%) “rather agreed”, another three (14.3%) “rather disagreed”, and one (4.8%) “disagreed”. This wide distribution of answers expresses a difference in opinions that may reflect different personal expectations or standards.

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

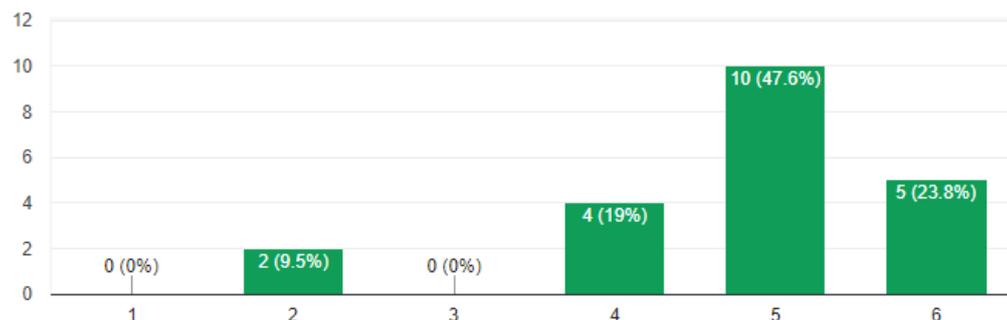
21 responses



A contributing factor to the success of the training is the duration, date, and timing that can help participants keep up with the schedule and make the most out of the training. Results here are very encouraging as six out of twenty – one respondents (28.6%) argued that those features of the training were “Excellent”, eight (38.1%) that they were “Very good”, and five (23.8%) that they were “Good”. There were, also, two participants (9.5%) who rated the duration, date and timing of the meeting as “Poor”, opinions that provide useful feedback for the improvement of time management for the next trainings.

Question 13: “Overall evaluation of the training”

21 responses





In that question, participants were asked to evaluate the training in overall. Most participants' answers were positive, as five out of twenty – one (23.8%) evaluate it as “Excellent”, ten (47.6%) as “Very good”, and four (19%) as “Good”. However, two participants (9.5%) evaluated the training as “Poor”, indicating that their expectations were not fully met.

Question 14: “Which topics would you suggest for future training sessions?”

This question was an open – ended question where participants were asked to recommend topics to be included to the next trainings. A variety of opinions can be noted as respondents' suggestions were based on their personal fields of interest. All those suggestions should be considered when the schedule of the next trainings is being formed.

16 responses

Case studies
Practical
Energy Saving Optimization
smart cities and energy managemnet
Building Energy Managment
sustainable and smart systems
energy management system special for architects & to have a real or imaginary projects to make evaluation and to make implementations on them + sustainable smart system is an important topic too.
Smart Systems for Saving Energy
Smart cities and supply chain in sustainable energy
Energy Audit (ISO 5001)
Energy efficiency in Industry
Smart Cities
Energy Audit - Energy Saving
renewable energy of biogas systems and generate elecricity
Energy efficiency
smart cities



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

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 eight participants chose to fill in this question.

8 responses

Some kind of Simulation
longer sessions
sustainable smart systems
More Case studies
Case study
Site visits
Timing
field visit for renewable energy projects

c. Final Remarks

The evaluation of the training 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, training can be, in general, characterized as successful. Answers were ranged between all possible options, but most of them were gathered mainly at the options from 4 to 6.

Encouraging results were noted regarding the well – preparedness of the trainer and the encouragement of participation and interaction during the training. Quite positive was, also, the evaluation of the duration, date and timing of the training. On the other hand, minor issues were detected regarding the



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achievement of the training's initial objectives and the future ability of some respondents to apply the knowledge they acquired during the training.