



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 10th of
October 2017 at Mutah University,
in Mutah, 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 in Mutah on the 10th of October 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.

While the training's participants were far more, the questionnaire was answered only by sixteen people. It should also be noted that not all questionnaires were completely filled, meaning that some questions were answered by less than sixteen participants. From now on, when referring to "participants" it should be considered that only those who actually took part in the evaluation process are included.

b. Results' Analysis

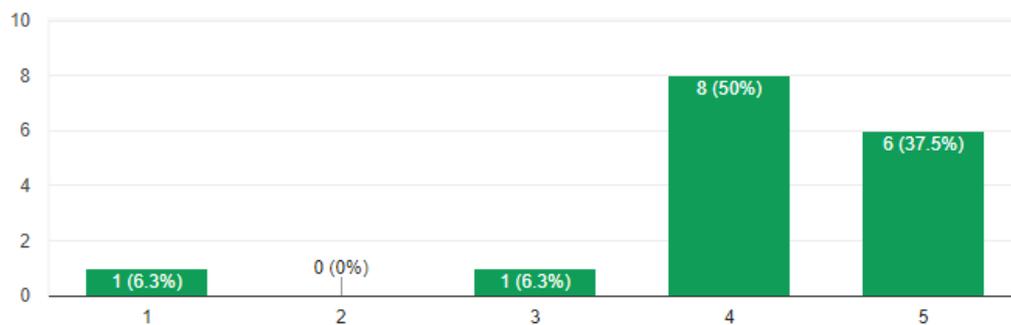
This part of the document contains a summary and statistical analysis of the answers given by the training's participants. Graphs are included so that the analysis is easier understandable.



Question 1: “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).

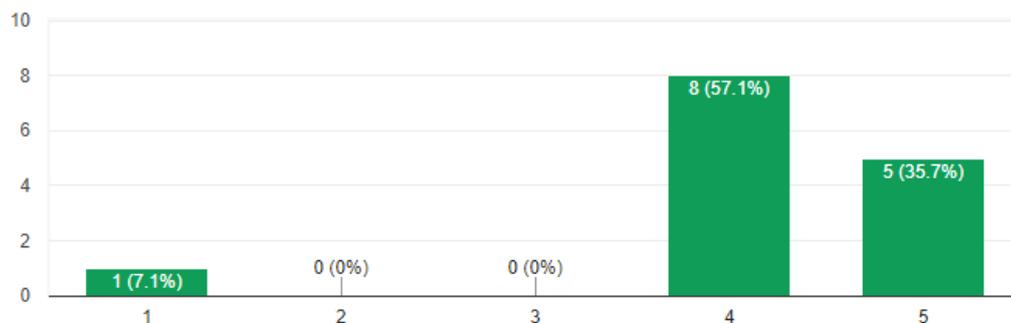
This was a bipolar question. The three sentences-objectives given were: 1) Clarity of the course objectives, 2) Achievement of initial objectives and 3) Meeting personal expectations. The five possible options were: 1) Very Low, 2) Low, 3) Medium / Moderate, 4) High and 5) Very High. This question was used in order to figure out to what degree the objectives of the session were met.

16 responses



For the first sentence, six out of sixteen participants (37.5%) chose “Very High” as their answer, while another eight (50%) chose “High”. One participant (6.3%) selected the “Medium/Moderate” option, and another one (6.3%) the option “Very Low”. Those results indicate a difference of opinions regarding the clarity of the course’s objectives, which may provide valuable feedback for improvement.

14 responses

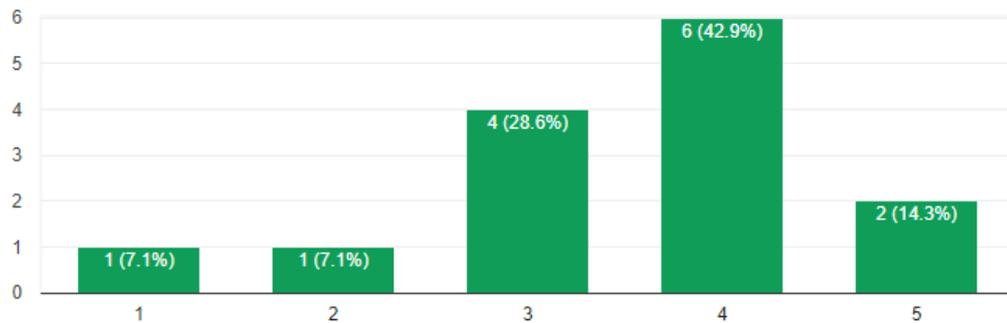


As for the second question, the majority of respondents (57.1%) answered that the initial objectives were “Highly” met, while 35.7% that they were “Very Highly” met. However, there was, also, a negative rating, as one participant stated that



the level of the objectives' achievement was “Very Low”, an opinion that should be surely looked into.

14 responses



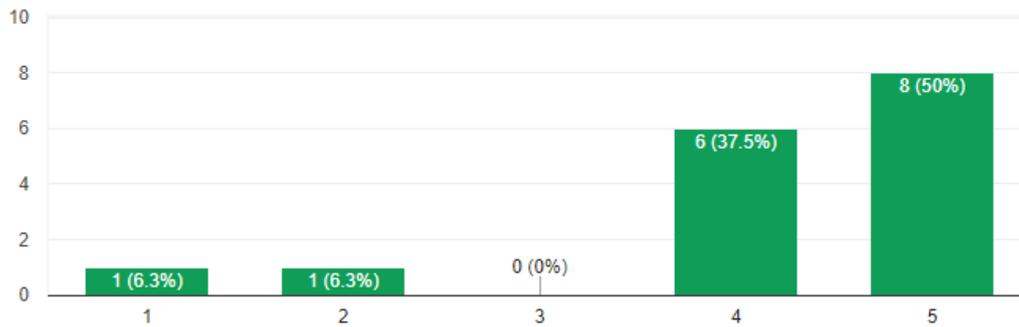
For the third sentence of this question, answers were distributed among all possible options, expressing a highly diversified level of personal expectations. Specifically, most participants (42.9%) stated that their expectations were “Highly” met, two (14.3%) that they were “Very Highly” met, and four (28.6%) that were “Moderately” met. There were, also, two participants who chose the options “Low” and “Very Low”, one each, expressing a general disappointment about the level of satisfaction of their personal expectations.

Question 2: “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 was a bipolar question, too. The three sentences given were: 1) Selection of contents, 2) The course uses a practical approach and 3) Usefulness of course material. The five possible options are: 1) Very Low, 2) 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.

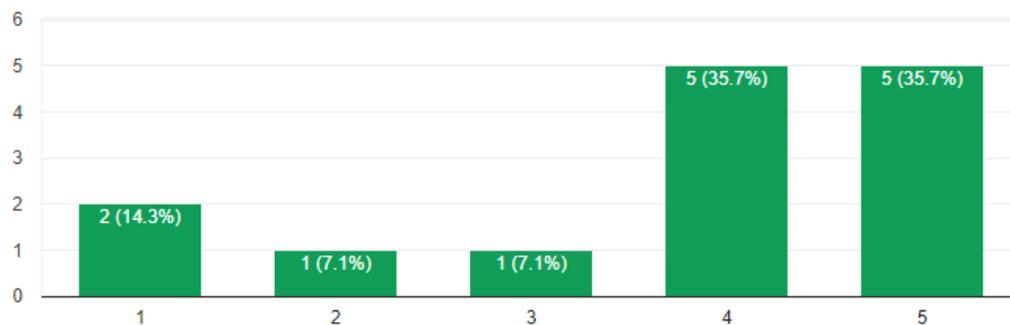


16 responses



As for the first sentence, responses were mixed. Half of respondents evaluated the quality level of contents as “Very High”, while six out of sixteen (37.5%) as “High”. On the other hand, one participant thought that the contents’ quality was “Low” and another one that it was “Very Low”. It can be said that even though those results are mainly based on the personal expectations of each participant, some additional focus should be given to the training’s contents.

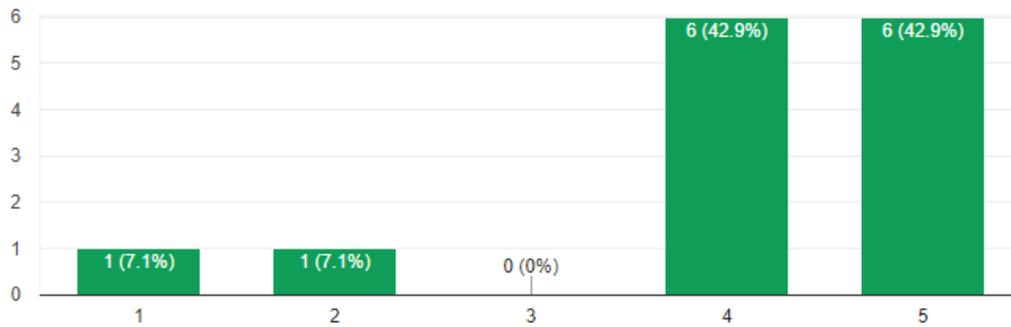
14 responses



In respect to the practical approach of the course, participants’ views were also controversial. While five participants characterized the use of practical approach as “Very High”, and another five as “High”, one participant selected the “Average” option, another one the “Low” option, and the remaining two the “Very Low” option. As an effective training consists of both theoretical and practical parts, the views of participants regarding the practical approach of the training should be seriously taken into account.



14 responses

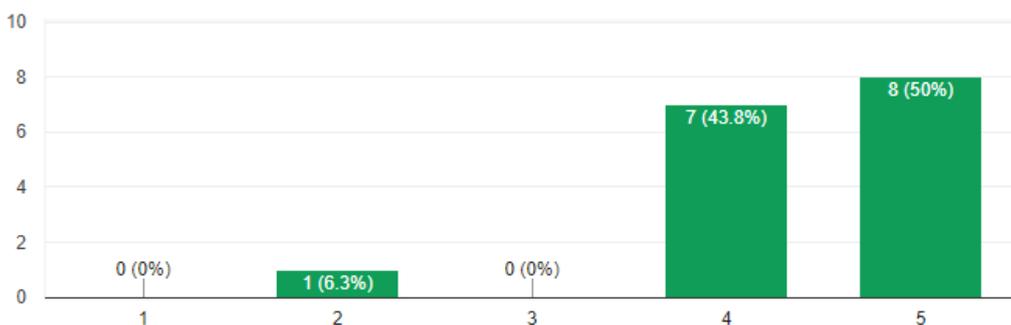


Regarding the usefulness of the material that was presented, 42.9% of respondents characterized it as “Very High” and a same percentage as “High”. On the other hand, one participant replied that the usefulness of the material was “Low”, and another one that it was “Very Low”. Those results should be taken into consideration when the organizers design the material of future trainings, as the provided material has to meet the needs of a wide audience, in order for the overall training to be successful.

Question 3: “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 was also a bipolar question. There was only one sentence given: Quality of the lecture. The five possible options were: 1) Very Low, 2) Low, 3) Average, 4) High and 5) Very High. This question was used so that 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.

16 responses

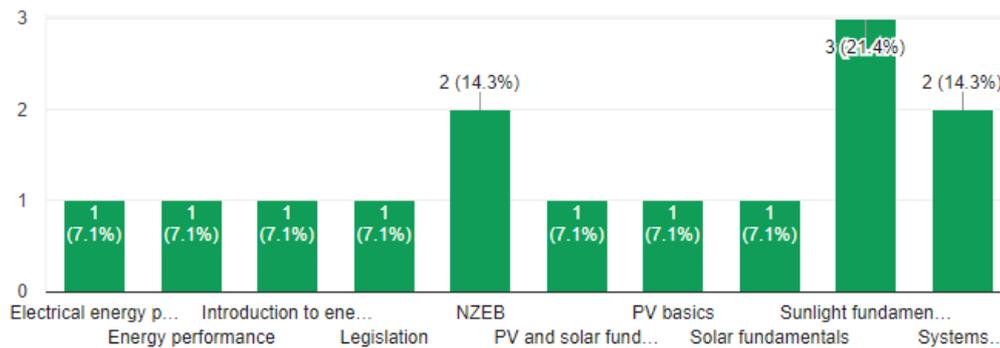




Most respondents, eight out of sixteen argued that the quality of the lecture was “Very High”, while another seven (43.8%) that it was “High”. There was, also, one participant who thought that the quality was “Low”. Even though there was one not so favorable review, in general it can be said that participants were satisfied by the quality of the lecture.

Question 4: “Which lecture did you like most and why?”

14 responses



This was 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. As it can be seen from the above results, fourteen participants chose to answer the question, expressing their opinions about the lecture they preferred.

Question 5: “Which lecture did you like less and why?”

3 responses



This was also an open-ended question. It was used in order to encourage participants to write whatever they thought about the matter. Participants didn't

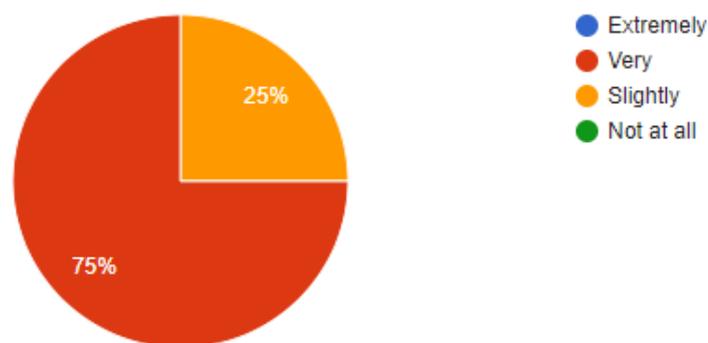


seem willing to answer this kind of question, either because they didn't have anything to write or because they thought it wouldn't be important. Even though all three answers were about the same lecture, no safe conclusions can be drawn from that result, as those answers represent a very small percentage of the overall number of participants.

Question 6: "How satisfied are you with the laboratory session?"

This was a multiple-choice question, containing four possible options: 1) Extremely, 2) Very, 3) Slightly, 4) Not at all. This kind of question was used so that participants would be able to answer fast and therefore would not avoid giving an answer.

8 responses



In general, participants were satisfied by the laboratory session of the training, as 75% chose the answer "Very". The remaining 25% argued that they were "Slightly" satisfied by the session. Taking into consideration the practical aspect of the subjects covered during the training, the positive views of the respondents on that particular matter are very encouraging.

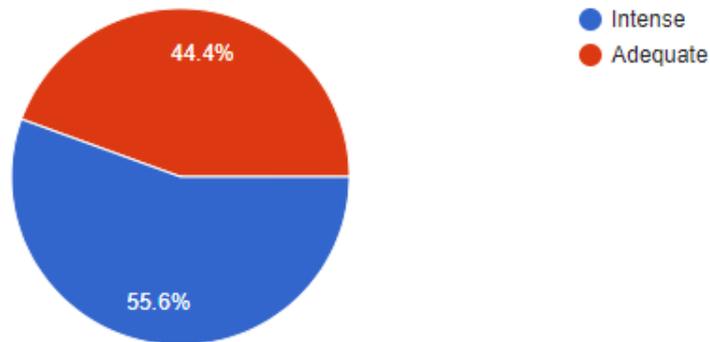
Question 7: "Organization: Please complete the following question by choosing the answer that best depicts your views about the issue."

This was a dichotomous question. The sentence given was: "Course schedule has been, while the two possible answers were: 1) Intense and 2) Adequate.



This question was used so that participants would be able to share their opinion fast and easy about this important issue.

9 responses

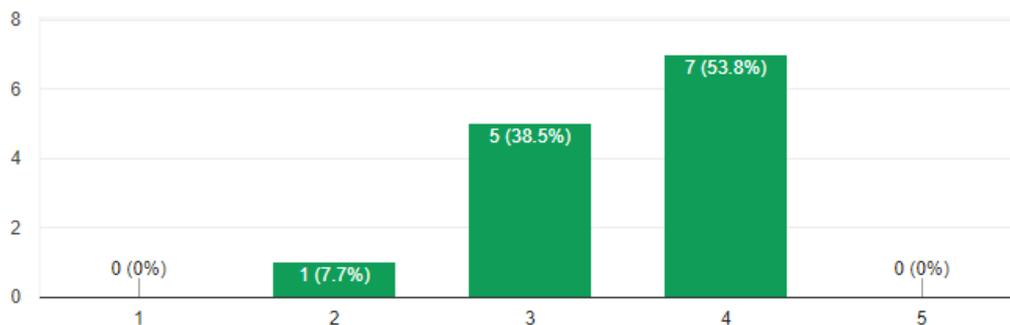


This question received only nine answers. The majority of respondents (55.6%) argued that the schedule was “Intense”, while the remaining participants (44.4%) that it was “Adequate”. Although answers are almost equally distributed between the two options, there might be some indication that more focus should be put on designing a less intensive schedule for the training.

Question 8: “Organization: Please complete the following questions by choosing the answer that best depicts your views about the issues.”

This was a scaled question. The sentences given were: 1) Course facilities and 2) Staff support and availability. There were five possible options: 1) Very Low, 2) Low, 3) Average, 4) High and 5) Very High.

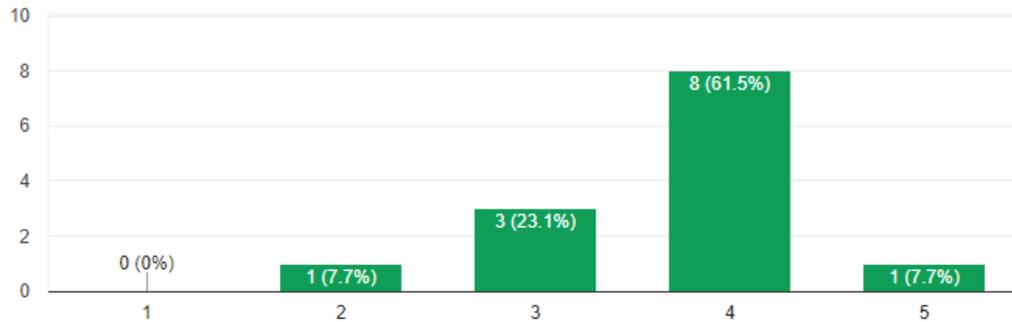
13 responses





As for the first sentence, 53.8% of respondents evaluated the course facilities as of “High”, 38.5% as of “Average”, and 7.7% as of “Low” quality. In general, it can be said that participants’ opinions regarding the facilities could have been better.

13 responses



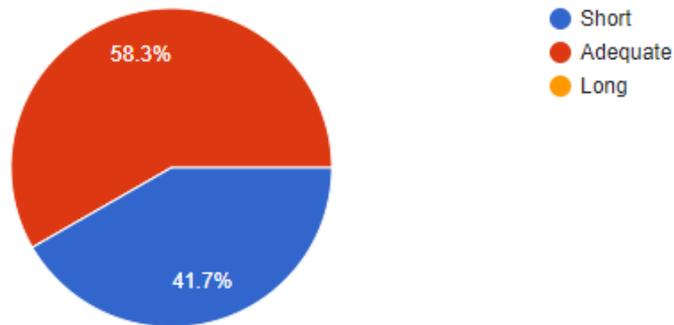
As for the second sentence, the results are more complicated. The majority of respondents (61.5%) thought that the staff support and availability were “High”, one (7.7%) that it was “Very High”, and three (23.1%) that it was “Average”. Another one (1.7%) stated that the support and availability of staff was “Low”, expressing a dissatisfaction that should be further investigated.

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

This was a Likert scale question. The sentence given was: Course duration, and the three possible options were: 1) Short, 2) Adequate and 3) Long. This question was used so that the organizers of the forthcoming training sessions could check out the answers and adjust their course duration in order to meet the expectations of the trainees.



12 responses

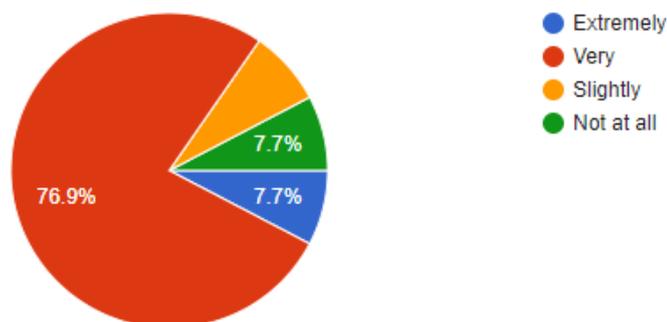


From the responses gathered it can be said that the training's duration was viewed as "Adequate", as the majority of respondents (58.3%) chose that option. The remaining 41.7% thought that the training was "Short" on duration, meaning that they would have either wanted some more time to cover the relevant subjects, or that they would have liked a longer training with more subjects covered.

Question 10: "How satisfied are you with the organization and coordination of the workshop?"

This was a multiple-choice question, with four possible options: 1) Extremely, 2) Very, 3) Slightly and 4) Not at all. This question was used so that partners responsible for the coordination of the session would be able to reflect on their effort, compared to the achieved results.

13 responses





The vast majority of respondents (76.9%) were “Very” satisfied with the organization and coordination of the training’s workshop. The options “Extremely”, “Slightly” and “Not at all” gathered one answer each (7.7%), showing a great variety of responses that is, of course, welcomed but maybe indicates that there is still room for improvement.

Question 11: “What would you do to improve the training course?”

In that open – ended question, participants were asked to express their opinions about the things that could be done to improve the training.

7 responses

Fulfill the workshop schedule
More time to the seminars
Time limitation
Add laboratory work
Extend the lab working
Spread lectures over longer period of time
Include useful ideas about the hosting country

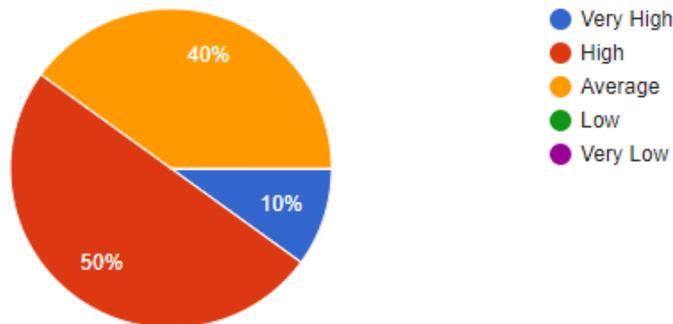
Almost half of participants answered the question, providing valuable feedback. As can be seen from the responses, most improvement suggestions were about the allocated time and duration, as well as the laboratory session of the training.

Question 12: “Please complete the following question by choosing the answer that best depicts your views about the issue.”

This was a bipolar question. The sentence given was: “Course evaluation as a whole”, and the five possible options were: 1) Very Low, 2) Low, 3) Average, 4) High and 5) Very High. This question was used so that coordinators would be able to measure the final result of their effort.



10 responses



In that general question, exactly half of the respondents “Highly” evaluated the course as a whole. One participant (10%) evaluated it as “Very High”, while the remaining four (40%) as “Average”. Even though most answers were very positive, the average evaluations indicate that there were some not so satisfactory parts of the training, at least for some participants.

c. Final Remarks

The evaluation of the training was conducted through an on – line questionnaire that consisted of twelve questions of different types: some were bipolar, others multiple – choice, and others open - ended. As already mentioned, not all participants of the training chose to answer the evaluation form, so the results of this report are based only on the gathered answers.

As the analysis of the evaluation’s results indicates, the training can be, in general, characterized as quite successful. Even though there were some not so favorable opinions, the overall evaluation of the training is satisfactory, with some room for improvement.

Some issues regarding the practical approach of the training and the satisfaction of personal expectations were detected and should be taken into account for the organization of the next trainings. On the other hand, some of the most satisfying aspects of the training were the high quality of the lectures and the meeting of the training’s initial objectives.