



ACADEMICA Project

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Part of Deliverable 3.3 ACADEMICA e-Course for Lecturers Evaluation Report (Expectations and satisfaction Report for teachers)

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1. Analysis of the Questionnaires

The report deals with the analysis of two surveys among teachers from partners of ACADEMICA project that were selected to take part in the training. The expectation survey for lecturer answered 97 respondents completely, whereas the satisfaction survey was filled by 110 respondents completely.

At the end of this evaluation report an analysis of comments by the teachers was done in order to detect potential weak points and room for improvement regarding the training.

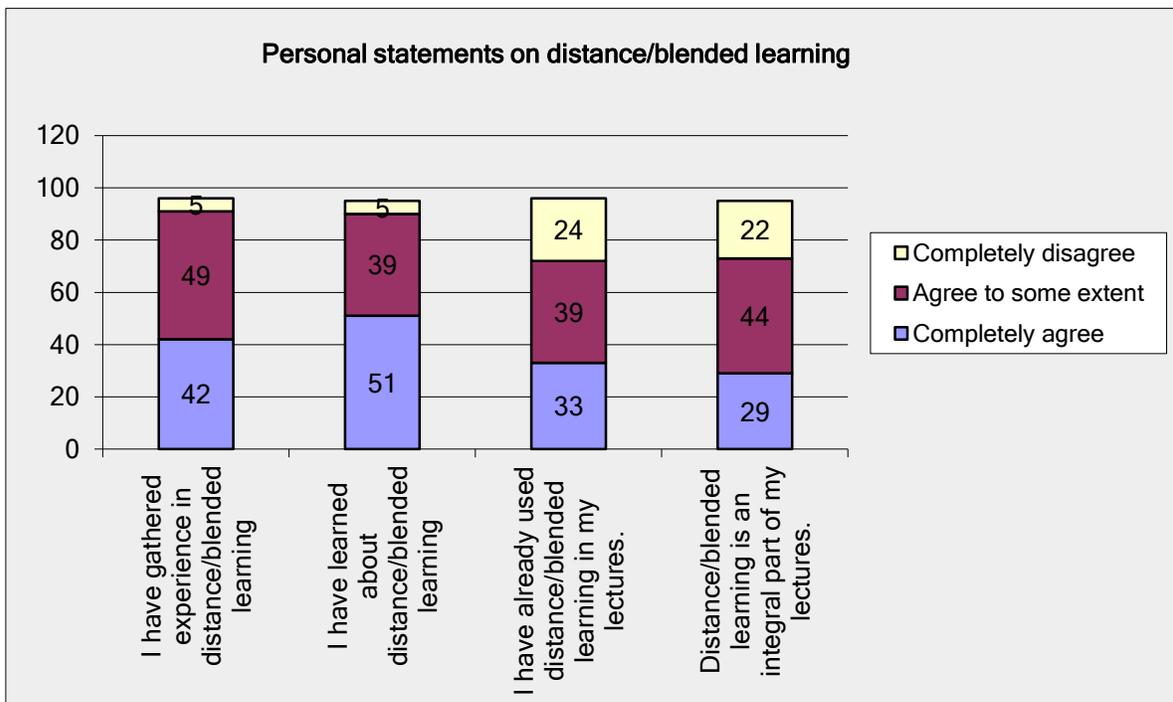
The results of the questionnaires provide a good basis for a possible adaptation of the training for future use. Besides, these surveys offer benefits to the whole partnership, as it aims to assess the quality and the effectiveness of the course for future use.

2. Analysis of the expectation survey

The following analysis report is based on the abovementioned survey which was allocated to project partners in December 2016 and summarises the feedback by trainers foreseen to participate in the training. In total 97 responses were collected.

As shown in the diagram below, the first evaluation step concerns the personal statements about distance/blended learning. The following items were asked:

- I have gathered experience in distance/blended learning
- I have learned about distance/blended learning
- I have already used distance/blended learning in my lectures.
- Distance/blended learning is an integral part of my lectures.

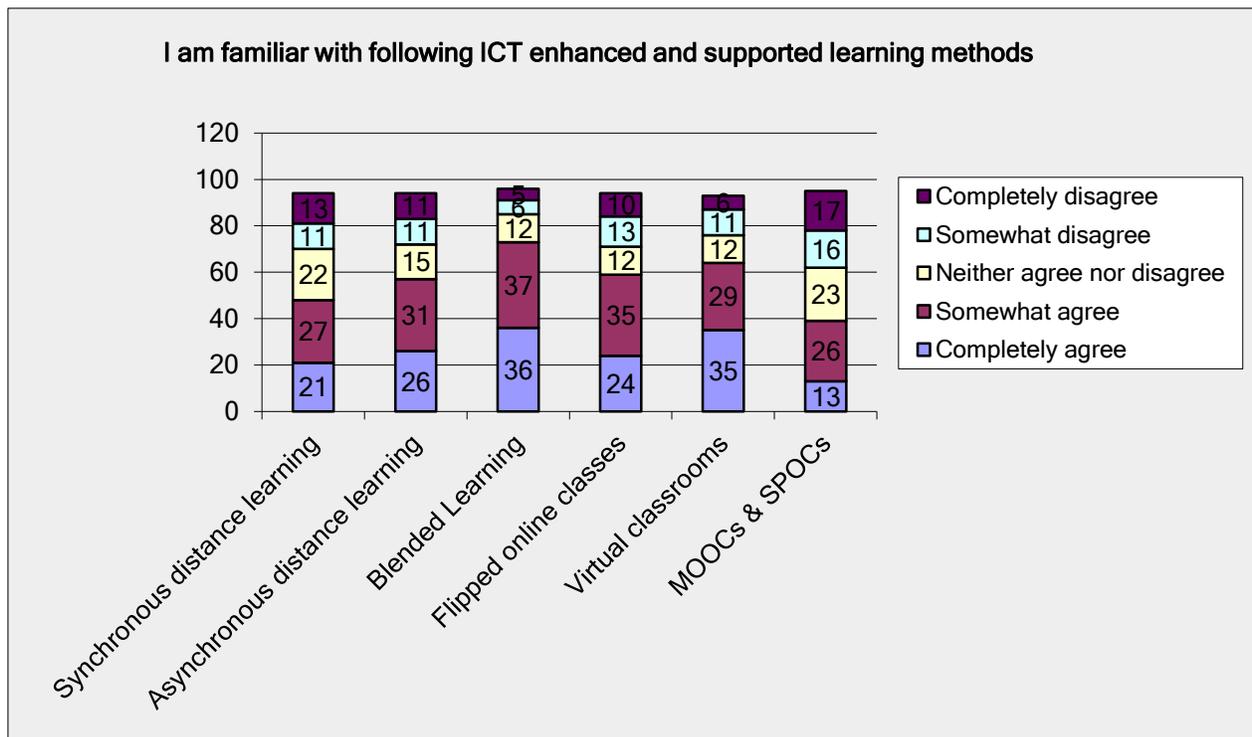


The results of the items are mixed. The majority of the respondents (51 persons or nearly 53%) has learnt about distance/blended learning. Only 5 respondents completely disagree. The item “I have gathered experience in distance/blended learning” has received 42 “completely agree” and 49 “agree to some extent” responses. 5 (5%) teachers stated that they do not have any experience in

distance/blended learning. The item “I have already used distance/blended learning in my lectures.” received 33 (or a little bit over 1/3rd) “completely agree” answers but on the other hand 24 respondents answered “completely disagree”. The item “distance/blended learning is an integral part of my lectures has only received 29 “completely agree” responses. 22 completely disagreed to the item.

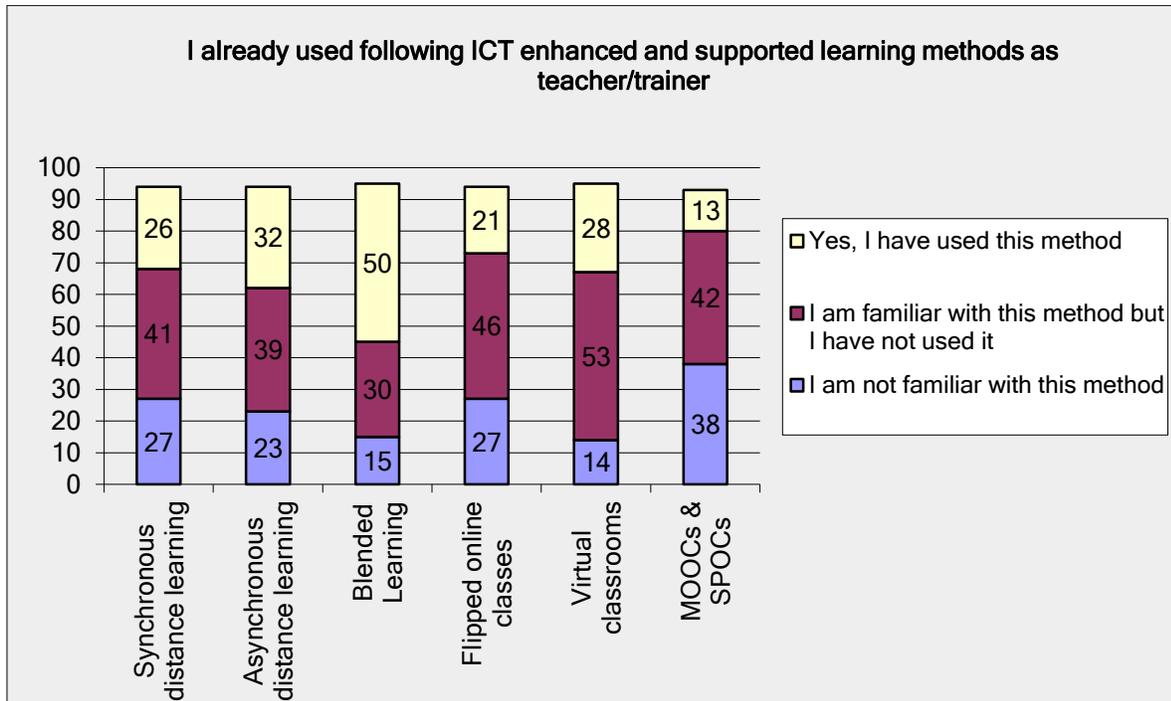
The following charts deal with learning methods and if the teachers are familiar with them or have used them either as teacher or student. The learning methods were the following:

- Synchronous distance learning
- Asynchronous distance learning
- Blended Learning
- Flipped online classes
- Virtual classrooms
- MOOCs & SPOCs

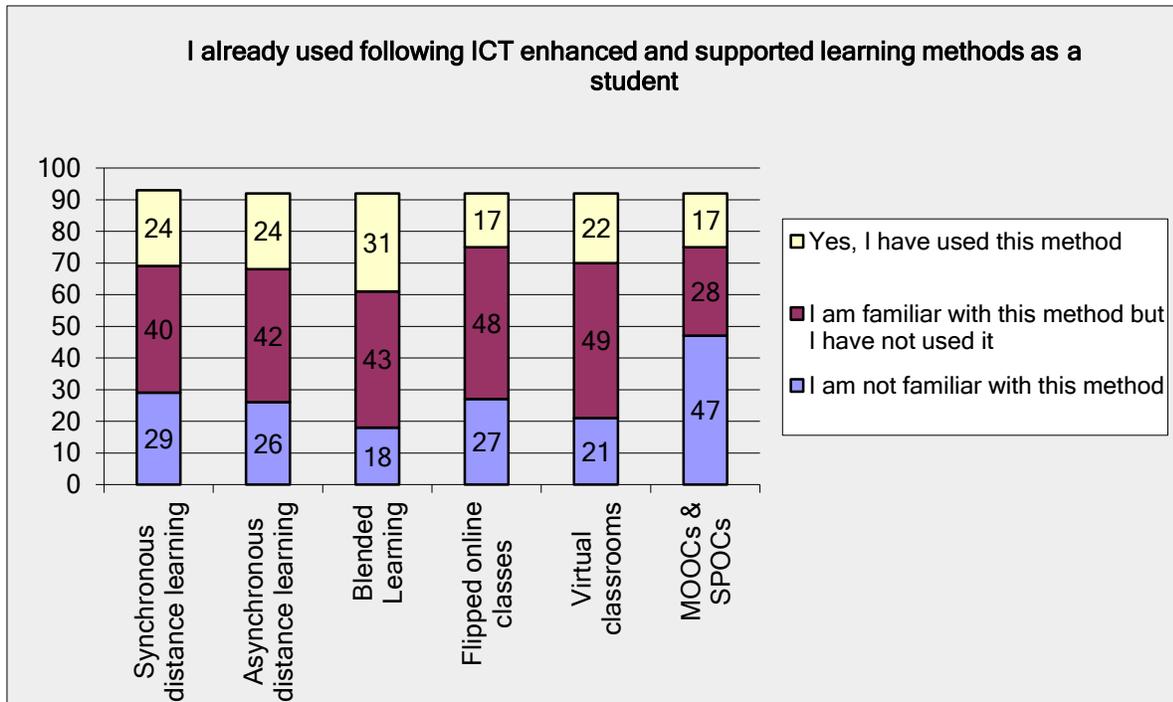


The learning method most respondents were familiar with is blended learning with 73 (3/4th) “completely agree” and “somewhat agree” answers followed by Virtual classrooms (64 responses),

flipped online classes (59) and asynchronous distance learning (57). Only 39 respondents are familiar with MOOCs & SPOCs.



This diagram depicts how many respondents have used each of the methods as a teacher. 50 respondents (or nearly 50%) have used blended learning. 32 answered they used asynchronous distance learning. Virtual classrooms were used by 28 respondents, synchronous distance learning by 26 and flipped online classes by 21. MOOCs & SPOCs has the least number of users as a teacher.



In a third step the respondents were asked if they have used the learning methods as a student. Here blended learning received 31 positive answers, followed by synchronous and asynchronous with 24 responses each. Flipped online classes and MOOCs & SPOCs are bottom-ranked with 17 yes-answers.

As a next step the respondents were asked to self-assess their digital competence. Therefore, they were asked to evaluate 5 competences according to the EQF definition:

- Information processing
- Content creation
- Communication
- Problem solving
- Safety

	Information processing	Content creation	Communication	Problem Solving	Safety
Basic user	17,6%	39,2%	33,3%	32,4%	35,3%
Independent user	46,1%	36,3%	33,3%	38,2%	34,3%
Proficient user	36,3%	24,5%	33,3%	29,4%	30,4%

36% perceive themselves as proficient user regarding information processing. On the other hand 17,6% perceive themselves as a basic user. Regarding content creation only 24% answered that they are proficient users, while 39% see themselves as basic user. Regarding communication a third each perceive themselves basic, independent and proficient user. 29% are proficient users in problem solving while 32% are basic users. 35% see themselves as basic users concerning safety, while 30% perceive they are proficient users.

The next table shows the opinion of the respondents to items that are needed for trainers to modernize face-to-face-lessons to distance learning. These are:

- Using e-mail to facilitate learning
- Finding rich resources
- Adding posts to a blog/ wiki / intranet page
- Using the online presence to promote student engagement
- Using software to support Critical Thinking
- Exploring Web tools to facilitate access to rich resources
- Supporting student use of a Personal Learning Environment
- Supporting student use of a Personal Learning Environment
- Facilitating student “Knowledge-Building”
- Working with e-learning platforms/blackboard (developing and uploading materials, communicating)

Each item has received a vast majority of completely agree or somewhat agree answers. The answers are ranked from most positive answers to least positive answers:

Working with e-learning platforms/blackboard (developing and uploading materials, communicating)	88
Exploring Web tools to facilitate access to rich resources	87
Supporting student use of a Personal Learning Environment	87
Using e-mail to facilitate learning	86
Finding rich resources	86
Using the online presence to promote student engagement	85
Facilitating student "Knowledge-Building"	85
Supporting student use of a Personal Learning Environment	84
Using software to support Critical Thinking	83
Adding posts to a blog/ wiki / intranet page	77

The next question deals with expected benefits from learning supported by technology. The opinion on following items was asked:

- More inspirations and videos with real life examples of the subject domain knowledge application in practice for a better student attention and motivation
- Different ways of presenting information
- Expansion of availability of different learning techniques
- Visual, more attractive, easier-to-learn way of presenting theoretical concepts, models

- Time and efforts optimization
- Better contextualizing of real problems

The following table shows the items ranked according to the number of “completely agree” and “somewhat agree” answers.

More inspirations and videos with real life examples of the subject domain knowledge application in practice for a better student attention and motivation	91
Different ways of presenting information	89
Expansion of availability of different learning techniques	89
Visual, more attractive, easier-to-learn way of presenting theoretical concepts, models	89
Time and efforts optimization	86
Better contextualizing of real problems	85

One can see that there are only small differences between all items. The highest ranked item received 91 positive answers, while the lowest received 85. Better time management and flexibility of the class schedule is recognized as the most important benefit of the virtual learning environment.

The next question deals with expected benefits from learning in a virtual environment. Following items were asked:

- Fitter and in accordance with the young world
- More stimulating activity, thanks to the play-modality
- Closeness of students to being able to do (know how)
- More interactions and progressive complex tasks to be faced by students
- More adequate learning contexts cause they have been properly created on the specific demand
- Very realistic experience, without risks
- Better time management, flexible learning/class schedules

The following table shows the ranking of these items according to the number of “completely agree” and “somewhat agree” answers:

Better time management, flexible learning/class schedules	90
More interactions and progressive complex tasks to be faced by students	86
More stimulating activity, thanks to the play-modality	85
More adequate learning contexts cause they have been properly created on the specific demand	85
Fitter and in accordance with the young world	84
Closeness of students to being able to do (know how)	84
Very realistic experience, without risks	78

One can see that there is relatively high difference between the first with 90 positive answers and the bottom ranked item with 78. The remaining answers are between 86 and 84 positive answers.

The next question deals with the expected benefits from learning with the use of interactive simulations. Following items were asked

- Identification of the right action strategies
- Wider knowledge of information on objects, events and phenomena
- Self-control of the student on procedures and results
- Availability of immediate and focused feedback
- Usability of theories and information in the problem solving
- Wider experimentation of several analysis-intervention’s models

The table shows the items of this question ranked according to the number completely agree and somewhat agree answers.

Identification of the right action strategies	84
Self-control of the student on procedures and results	83
Usability of theories and information in the problem solving	83
Availability of immediate and focused feedback	82
Wider knowledge of information on objects, events and phenomena	81
Wider experimentation of several analysis-intervention's models	81

Again all of the items received a relatively high number of positive answers. Furthermore, the different items have a similar amount of positive answers.

The last closed question of the questionnaire deals with expected benefits for teaching in blended/distance mode. The following items were asked:

- Time and effort organization
- More possibilities to explain arguments
- Use of technologies to grab students attention
- Possibility to better assess class learning
- Opportunity to create a more efficient connection with students
- Increase learning quality
- Visual, more attractive, easier-to-teach way of presenting theoretical concepts, models

The ranking of the items – again ranked regarding the number completely and somewhat agree-answers – is shown in the next table

Use of technologies to grab students attention	88
Increase learning quality	88

Visual, more attractive, easier-to-teach way of presenting theoretical concepts, models	88
Opportunity to create a more efficient connection with students	87
Time and effort organization	86
More possibilities to explain arguments	85
Possibility to better assess class learning	84

As in the other questions before again there is an overwhelming high number of positive responses, which are again in a very close range (88 to 84 positive answers).

As a last question teachers were asked in an open-ended question about what they want to learn more about. The most respondents were interested in MOOCs and blended learning in general: 28 respondents want to learn more about MOOC (and SPOCs). 17 answered that they want to learn more about blended learning.

3. Satisfaction questionnaire

The second questionnaire was sent out to the training participants in April after finalization of the training. The survey covers the satisfaction of the teachers with the offered training. In total 110 completed responses were collected.

The first part of the questionnaire deals with an evaluation of the modules. For each module respondents had to evaluate 5 statements on a five-point Likert scale from strongly agree to strongly disagree. The 5 items were:

- The topic is interesting for me
- The level of complexity of the training material in this module is adequate for me
- The module is well structured and provides all information necessary
- The exercises, videos and reading supports the learning process well

- The quality of the training material is adequate

The following table show the strongly agree and agree answers for each item of the module evaluation

	Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
The topic is interesting for me	106	106	109	107	105	106
The level of complexity of the training material in this module is adequate for me	105	106	104	101	105	104
The module is well structured and provides all information necessary	100	105	107	104	102	104
The exercises, videos and reading supports the learning process well	98	100	101	99	103	104
The quality of the training material is adequate	102	102	103	102	103	104

It can be seen that every module is very well evaluated. Apart from the item “The exercises, videos and reading supports the learning process well”, where module 1 and module 4 received less than 100 (but no lower than 89%) positive responses, each other item received 100 or more “strongly agree” or “agree” answers. This means that a vast majority (more than 91%) agree to the statements above for each module.

For each module there was also the possibility to enter things they want to improve. The table below show the answers for every module:

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
The exercises, videos and reading supports the learning process well	The module is well structured and provides all information necessary	The level of complexity of the training material in this module is adequate for me	The module is well structured and provides all information necessary	The topic is interesting for me	The exercises, videos and reading supports the learning process well
Not need	The quality of audio materials should be improved	The quality of audio materials should be improved	The quality of audio materials should be improved	The quality of audio materials should be improved	Life
The quality of	None	None	The	The	The quality of

audio materials should be improved			presentations for the topics 1 & 5	presentations for the topics 1 & 2	audio materials should be improved
The presentation to the topic 2	Quality of listening materials	The quality of the videos	The quality of the videos and reading supports	Expand the use of social networks	None
Listening quality	all was good	I don't think duplication of lectures and slides to be very useful	No comment	I don't see clearly how to apply it in practice	The quality of mobile learning
to add some virtual laboratories, not just discussion forum	The quality of the TVT	No comment	Different kind of videos	No comment	Too technical for me
The quality of the training	I would prefer a more practical approach	More video examples	When assessing the quality of education we need to use a personal face to face exam	More videos	No comment
The exercises	No comment	I think that blended learning is the most promising direction today	This module was quite understandable and convenient	Our students should use social networks for distance learning	Everything is perfect
The quality of audio material was not good	More video material	Good module	I agree with you	This module was quite understandable and convenient	I think for distance learning it is better to use different kinds of simulators
Quality of pronunciation	For distance learning, instead of the "Platonus", it is better to use "Tamos".	I agree with you	I would like to have a sample of some modernized discipline	I agree with you	This module was quite understandable and convenient
The English speech quality of the materials	The module is quite understandable both for	It would be much more useful if the course was	It would be much more useful if the course was	It would be much more useful if the course was	I agree with you

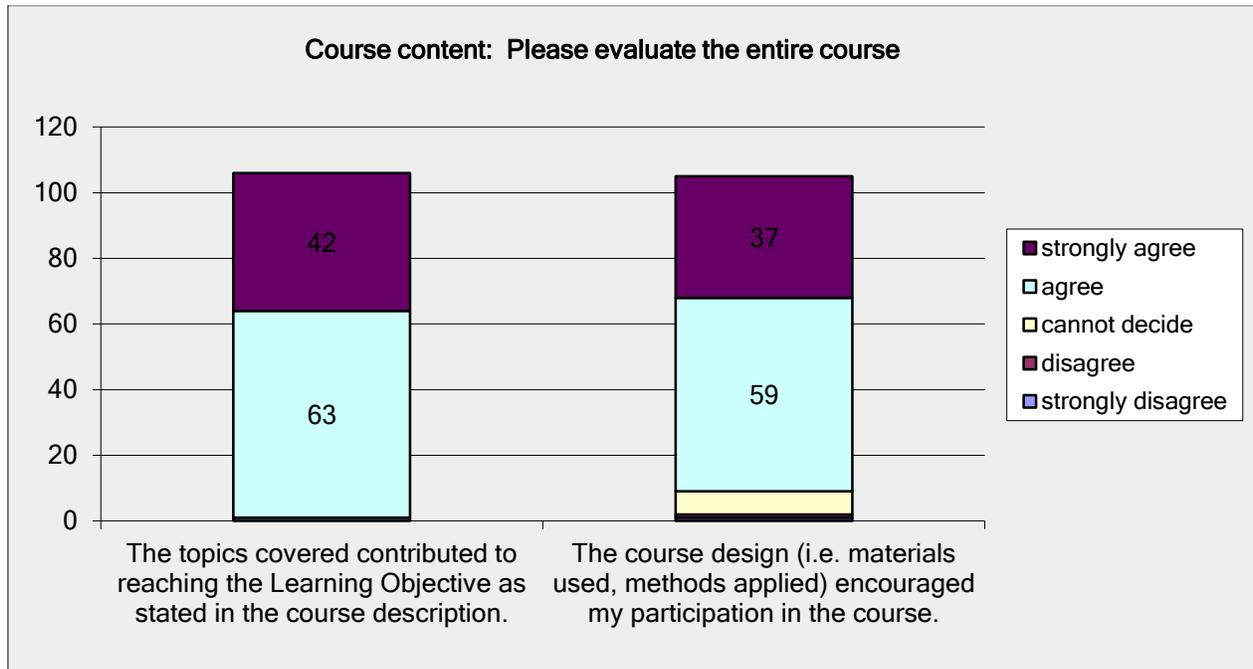
	students and for teachers	built online (on-line)	built online (on-line)	built online (on-line)	
No comment	I agree with you	everything suits me	everything suits me	everything suits me	It would be much more useful if the course was built online (on-line)
More video examples	It would be much more useful if the course was built online (on-line)	everything suits me	everything suits me	everything suits me	everything suits me
I think it's better to increase the form of face-to-face learning	everything suits me	videos and reading supports	videos and reading supports	videos and reading supports	Everything suits me
The first module was sufficiently clear and informed	everything suits me	videos and reading supports			
I agree					
In this module , nor have nothing to offer so all happy					
It would be much more useful if the course was built online (on-line)					
The exercises, videos and reading supports the learning process well					
Everything suits me					
Everything suits me					
I agree to use					

the methods for teaching process					
videos and reading supports					
videos and reading supports					

In total the quality of the sound or speakers was mentioned by some respondents in each module. Some others request more support of training material with videos. Other topics were only mentioned by one person.

As a next step the course itself was evaluated by the partners. First the content was evaluated by the partners. Two statements were given:

- The topics covered contributed to reaching the Learning Objective as stated in the course description.
- The course design (i.e. materials used, methods applied) encouraged my participation in the course.



The respondents were also very positive concerning the items. 42 respondents strongly agree to the statement “The topics covered contributed to reaching the Learning Objective as stated in the course description.”. Another 63 lecturers answered “agree”. There was only one respondent not answering “strongly agree” or “agree”. That means that 95% of the participants feel that the topic content well corresponds to the learning goals.

The second statement “The course design (i.e. materials used, methods applied) encouraged my participation in the course.” has received slightly less positive responses. 37 people answered “strongly agree”, further 59 agreed to statement (or 87% overall). 7 could not decide, while one each answered “strongly agree” and “disagree”.

As another step open-ended questions concerning the content of the course were asked. These were following questions:

- What would you point out as redundant or missing?
- How was the practical information (case studies, examples) relevant for your working context?
- How is the overall course content relevant with regards to your practical / work related activities taking into account future adaptations of your lectures?

The answers to the question “What would you point out as redundant or missing” can be seen below.

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
everything is included	Some lecture notes have 1 or 2 duplicate paragraphs (the same text)	all is well	Everything is fine	Nothing is mentioned about authoring tools	Presence of interactive slides
It would be more interesting if infographics were used in presentations	-	nothing	examples of e-tools usage for a particular teaching case	The module 5 was redundant	Excessive is the duplication of the same information in 3 types: lecture, presentation, video lecture
Educational platforms	I don't know all right for me	nothing	I would like to see more practical examples of applying the materials in practice	The topics covered contributed to reaching the Learning Objective. I'm satisfied	Everything suits me
I expected that not only audio but some video were incorporated.	I don't know	all is well	Translated training materials are redundant. And they have mistakes in translation.	Continuous practice	everything suits me
-	Everything is enough	all is well	A lot of textual information	all was ok	nothing
nothing	I don't know	all is well	everything is good	nothing	nothing
In some topics,	It's normal	Everything was	everything is all right	Nothing	All material is

information is repeated, there is little concrete advice, a lot of theory. But in general it is very interesting.		presented at a good level			good!
nothing	Everything is fine by me	All these lectures are more useful, but I can not say I'm going to use it all. For my class I may use just 1 percent of it.	link to the additional readings does not work, too many information, and I think some of the exercises is not relevant and not helpful to support what was learned	It is my first experience, so I can not answer exactly	Intelligent learning systems
Sometimes there was obvious information (for me, may be for other participants it was useful).	All information was in moderation	all is well	Nothing	Everything is correct	nothing
It would be better to have on-line video conferences during the training.	Quality of presentations of the lectures	Strengthen the theoretical course by practical examples	nothing	enough	In my opinion everything is ok
Everything is good	The training course is developed qualitatively. The content of the topics was presented in full.	I like everything	all is well	for me everything is OK	Real Multimedia. Use more graphics and animation for training, not just text and voice

Most of the respondents answered that they are satisfied with the course and would not change anything. Only a few people comment that there are duplicates in the presentations, but they do not mention where. A small number of respondents wanted to add more videos and other multimedia training material.

The answers to the second question "How was the practical information (case studies, examples) relevant for your working context?" are shown in the table below.

I have gained a lot of new ideas for my lectures	Rather relevant	I have discovered many interesting things during the taking Academia course, I started to using systems during my classes	Sufficient	yes	The information is very interesting
Yes, relevant	Many cases relevant for my working context	Case studies, examples are relevant for my working context	NA	yes	more information for modernization disciplines
case studies and examples	Yes, it was useful for me.	Good	Not too much as I teach	yes	The disadvantage is the lack of interactive training with the acquisition of practical skills of

			English, not technical subjects		modern methods of IT-technologies in teaching
I will use this material for learning and teaching	Rather relevant	Case studies are relevant in sense of topic and structure	OK	yes	all materials
I will use this material	pretty relevant	would be interested if case studies to include IT area	The case studies relevant for your working context	yes	All of these materials
I will use this material	I will use social network	good	it was useful for us	yes	I think all the material covered useful for me
positive	Some information is really relevant for our working context	Examples were very supportive and gave ideas for the implementation several of them in my classes.	very important	Practical information will be used in my course	Practical recommendations are very relevant and will be useful in the future in the educational process
I'm ready for new technology	I try to use it	I learned about some of the resources that will be used in the work	good	Using the some multimedia tools and social networks	Practical information well influences the future adaptation of the discipline.
It was good information for me	Mobile learning	relevant	It fits me	Not at all	Practical information helps me for the future development of discipline.
Work with social networks	use lot of ICT technologies	It was relevant enough.	yes	relevant	Relevant and useful
I can incorporate and apply them in my lessons	From time to time he practical information was relevant	It was very useful information.	yes	Strengthen the theoretical course by practical examples	very relevant
For my courses I will use all the modules studied. They are all needed for me.	I found out some useful and interactive ways of teaching	Very good!	Very useful	the materials are all	Very useful
The part of information	For my work is useful.	Themes related to the Internet and multimedia were very useful to me			

Again here the responses are quite positive. Some respondents could use case studies and practical information and recommendations. One even stated that he would use all the material, as he found everything very useful.

The answers to the third question “How is the overall course content relevant with regards to your practical / work related activities taking into account future adaptations of your lectures?” are depicted in the next table.

The course content helped me to analyze my classes from different aspects, now I know what can be improved	This course helped me transform my classes in a more interactive way.	I learned how to restructure my lessons with usage materials offered	Course content is very usefull	I can apply my knowledge to my lectures	The content of the course is useful for improving the effectiveness of my training courses, but the lack of practical skills in studying course materials makes them practically useless
Yes, relevant	Relevant	Indisputably i will use many reference and teaching approaches in the my courses	The content of the course is relevant for telecommunications	I can apply my knowledge to my lectures	How does the general content of the course relate to my practical occupation
work related activities taking into account future adaptations of mylectures	its ok	good	generally course is good, I will take into account given recommendations	The content of the course has something in common with my daily work	The content of the course is relevant to my practical work
Pedagogical methods and useful information on university education for the European Union	For my discipline some MOOCs elements could be relevant	I've got to know a lot of things connected with the ICT tools and how to effectively use them in the classroom, I also shared my experience and learnt from the others. The overall course has given me a lot of thinking regarding my technological competence and making my classes sophisticated in terms of e-learning and e-teaching since this is the requirement of the day.	very important	I can apply the acquired knowledge in practice	There is a direct link
Now I learning	Certainly, I wii use some social networks in my practical classes	In my practical work it is possible to apply many of the techniques described in the course.	very informative	The overall course content will practically help me to update the practical exercises	Directly
Now I learning	I will use in future	good	No all given activities I am able	I will improve my lectures	The general content of the

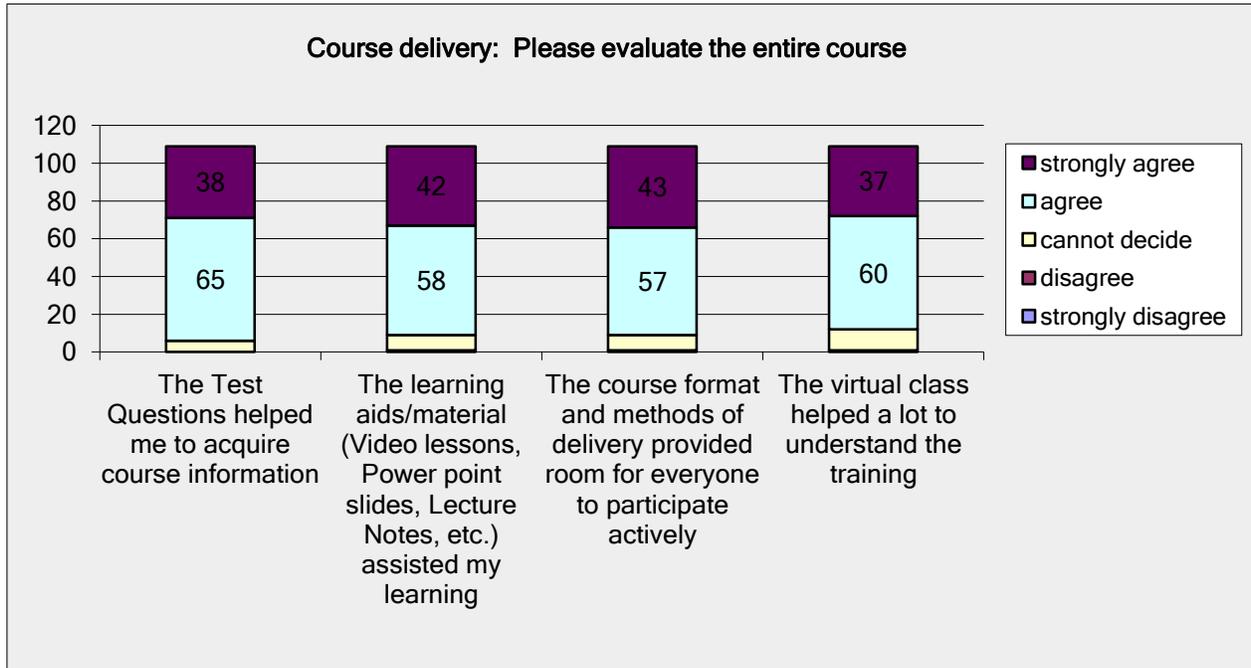
			to adapt	with regard these course	course has a good influence on the future adaptation of the discipline.
Optimized the flow of information	I use information technology	I took into account some interesting programs to improve teaching process.	I can apply the acquired knowledge in practice	relevant	Practical information helps me for the future adaptation of my lectures
Some of them are helpful and can be possibly added as useful resource in my lessons	I will try to use more ICT technologies in my lectures	Positive	I can apply the acquired knowledge in practice	In this course the most recent technological tools useful to enrich learning materials fitting, therefore the overall course content completely relevant.	Relevant in some extent
For my courses I will use all the modules studied. They are all needed for me.	in general relevant	Positive	The content of the course has something in common with my daily work	Strengthen the theoretical course by practical examples	Has a direct relationship
Rather relevant	It is very assistive in digitizing my classes.	Course content is significant for my lessons and some tools are suitable to use.	I can apply my knowledge to my lectures	all kinds of materials were relevant	The knowledge gained will help me to improve the educational process in the future.
I can't say exact how, but I noticed there are some features which I'll adapt my course.	I would take into account all the new technologies and techniques in the future	Theoretically it was relevant but practically I still find it difficult to apply the course materials	The content of the course has something in common with my daily work	The general content of the course has a synthesis of information	Approaches of this course
Pedagogical methods and useful information on university education for the European Union			I created my course in mathematical statistics. But, it was difficult for me to create the content of the course. Now I have the skills.		

The comments for this question are again positive. The answers suggest that the respondents have learnt new aspects of learning with the help ICT. Therefore, it seems that the course content was relevant for the training participants.

The second step concerning evaluation of the course was the delivery of the course. Here, following statements had to be evaluated:

- The Test Questions helped me to acquire course information

- The learning aids/material (Video lessons, Power point slides, Lecture Notes, etc.) assisted my learning
- The course format and methods of delivery provided room for everyone to participate actively
- The virtual class helped a lot to understand the training



The first statement “The Test Questions helped me to acquire course information” has gathered 38 “strongly agree” responses, 65 “agree” responses and 6 “cannot decide” responses. “The learning aids/material (Video lessons, Power point slides, Lecture Notes, etc.) assisted my learning” received 42 “strongly agree” answers, 58 “agree” answers, 8 “cannot decide” answers and 1 “disagree” answer. The third statement “The course format and methods of delivery provided room for everyone to participate actively” has received 43 “strongly agree” answers, 57 “agree” answers, 8 “cannot decide” answers and 1 “disagree” answer. 37 strongly agreed to the fourth statement “The virtual class helped a lot to understand the training”, while 60 stated “agree”. “Cannot decide” gathered 11 responses, while disagree received 1.

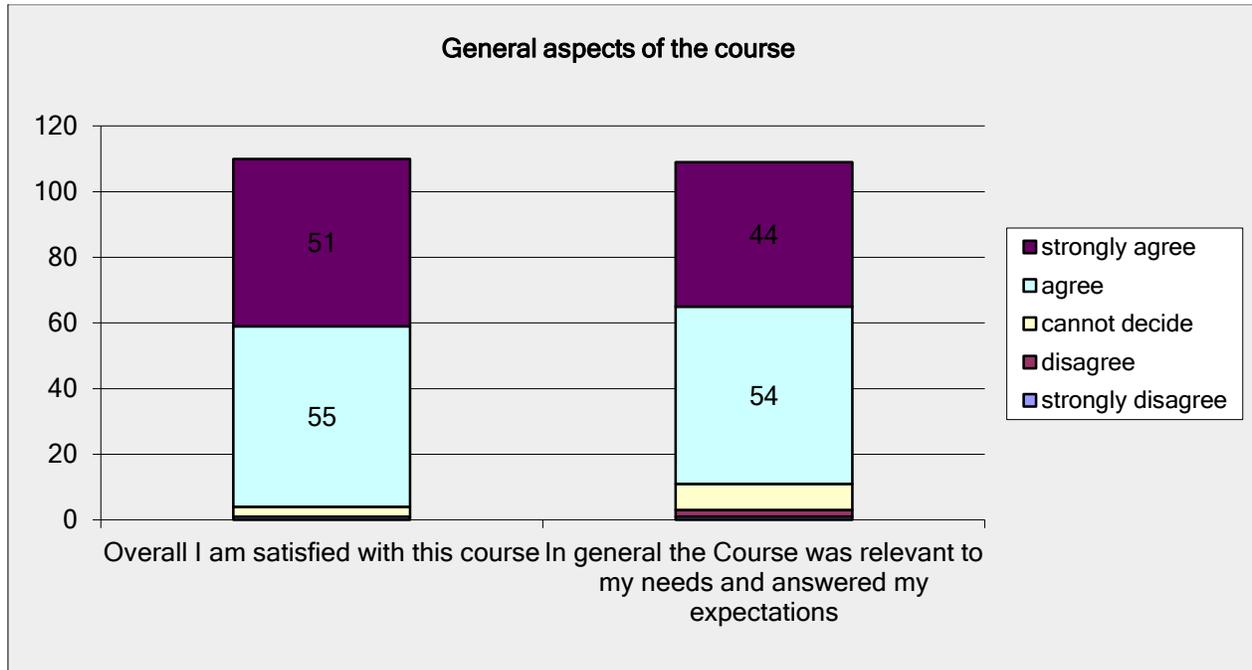
For the mode of delivery there were also one open-ended question, namely “What can be improved with regard to the structure, format, and/or materials?” The answers to the questions can be found in the table below:

Voicing of most slides is a bit boring, sometimes it seems like the presenter reads the text for the first time while voicing. However the material itself is very good	I like everything	There is no need to improve, I am totally satisfied with structure and format	everything is good	preferably more examples and samples
More practical materials	Some slides have a lot of text, few illustrations.	Assignments and quizzes might be differentiated.	everything is all right	Reduce the number of theoretical information, increase the role of practical activities
may be more video of courses to any themes	I like everything	sometimes was quiet sound	sound recording of video materials	You could add more video content
no	addition some virtual laboratories	no ideas	Everything is well done	everything suits me
More video with learning it's useful	Some modules' materials should be more practical	It would be better to have more examples of interesting programs, systems or technologies.	I think nothing	everything suits me
I don't know	I think that more practical materials could be included into this course	Everything is fine	Most of the information are based on theoretical part, so maybe upload more practical cases.	Material format is convenient
I don't know	I like it, it is new for me	Enough	all is well	design
Try and other formats	Everything is correct	In my opinion, case studies could be added.	Strengthen the theoretical course by practical examples	The structure, format, and/or materials do not need to improve
We need more examples for virtual class materials information	nothing	I did not find it useful to duplicate all the materials in the 3 formats	I like everything	There were not enough recorded video lessons, animations are also not very optimal.
The quality of audio materials should be improved	maybe it would be better use more practical examples	Use more structured lectures on slides	Strengthen the theoretical course with practical examples	To use more modern multimedia technologies as more advanced in terms of simulation and learning (VR, AR), education should have no boundaries

Some respondents wished that there should be more practical examples, others suggested to add more videos and other new multimedia technologies, but in total the majority was satisfied with the course.

Another section of the questionnaire dealt with general aspects of the course. Two statements had to be evaluated:

- Overall I am satisfied with the course
- In general the course was relevant to my needs and answered my expectation



The first statement received 51 “strongly agree” answers and 55 “agree” answers. Three respondents could not decide. One strongly disagreed. 44 strongly agreed to the second statement, while 54 agreed to it. 8 stated that they couldn’t decide. Two answered “disagree” and one “strongly disagree”. The answers confirm that the high majority of lecturers remain satisfied by the ACADEMICA e-learning course.

In the open ended section trainers were asked what can be improved. The next table shows the answers of the respondents:

Improve voicing of lectures	enhancing the quality of audio using a well-equipped technology	I am totally satisfied	providing more specific subject-based practical recommendations	through modernization
with practical work	using of different informal techniques	implecation of video, media, differentiation of assignments	Homework solution	Improve practically

		and tests.		
may be more video of courses	module 1 and 2	-	module 1, information was boring and old	Apply an interactive approach with practical skills
I don't know	Distance learning fruition	including on-line round-table discussions.	everything is all right	Add more video material
I don't know	I don't know	no ideas	offering more relevant assignments so if the lecturer haven't had experience of using particular technology they will have a chance to try it	I like everything)
present Moodle	Everything is correct	may be some advanced topics	Adding more participants	2
more course	My discipline ICT	discussion in the mode off-line	Everything can be improved	Undo duplication of teaching material in a slide presentation
To more interesting things	using more practical examples and case-study	N/A	sharing practical classes	Add new materials about conducting mixed lessons. Methodical assistance in distance learning. Development of evaluation criteria for attendants.
Nothing	further collaboration and sharing experience	-	Just has not decided yet	Cover more topics

Some of the recommendations deal with following topics:

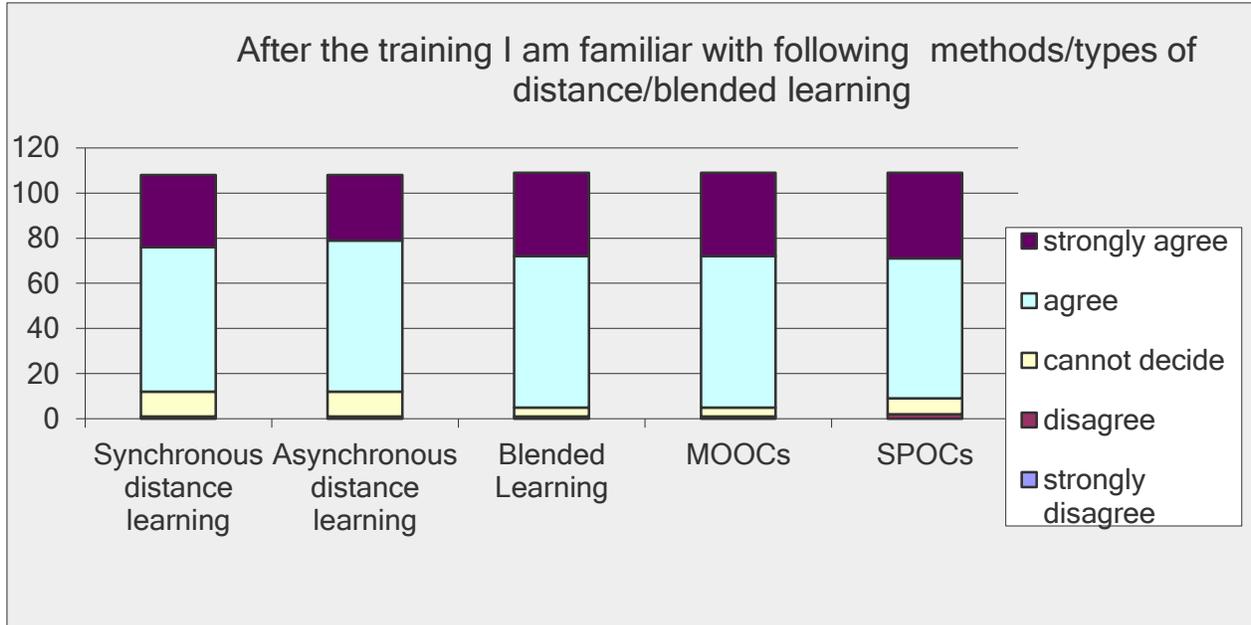
- Voice, sound
- practical materials and examples
- illustrations
- multimedia

In the last section respondents had to evaluate, if they know about certain topics after the training. This section was separated in three questions. The first asked, if the respondents are familiar with following methods after the training:

- Synchronous distance learning
- Asynchronous distance learning
- Blended Learning
- Flipped online classes
- Virtual classrooms

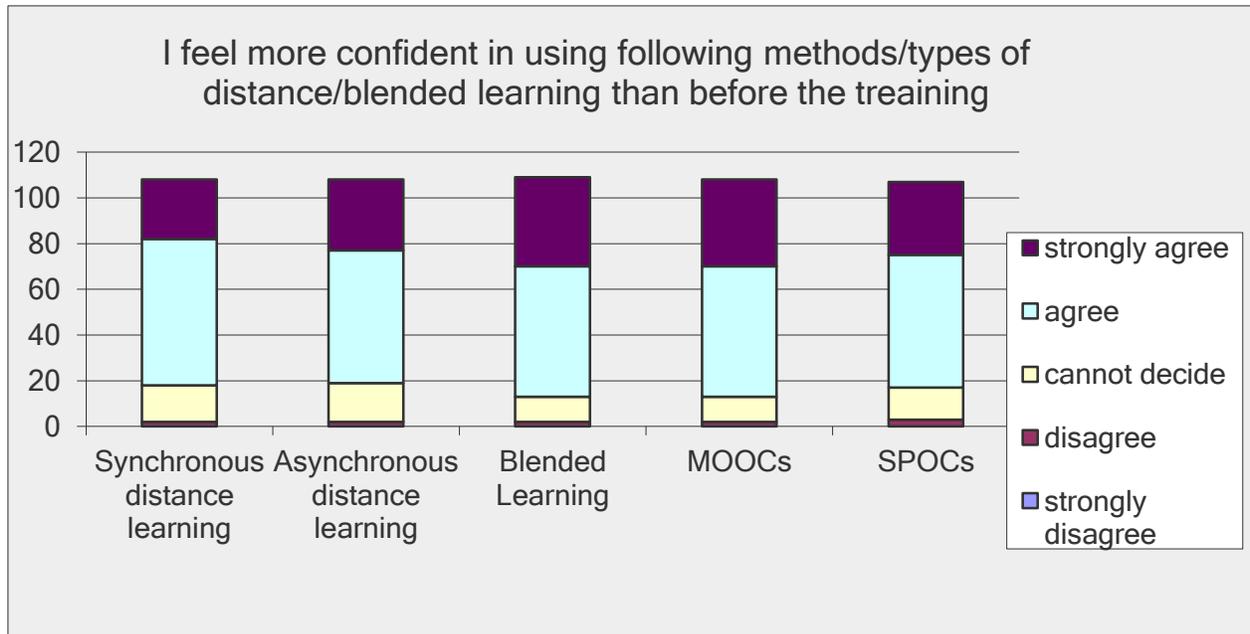
- MOOCs & SPOCs

The diagram below shows the results of the self-assessment of the participants:



Compared with the result of the expectation survey the results show that there was a learning effect. Before the training not even half of the respondents were familiar with MOOCs and SPOCs, while after the training almost everyone is familiar with both of the methods. Also the fraction of the people not familiar with synchronous and asynchronous distance learning as well as blended learning decreased, but at a smaller degree.

The second question answers the question, if the respondents are more confident in using the same methods than before. The next diagram shows the results of the question.

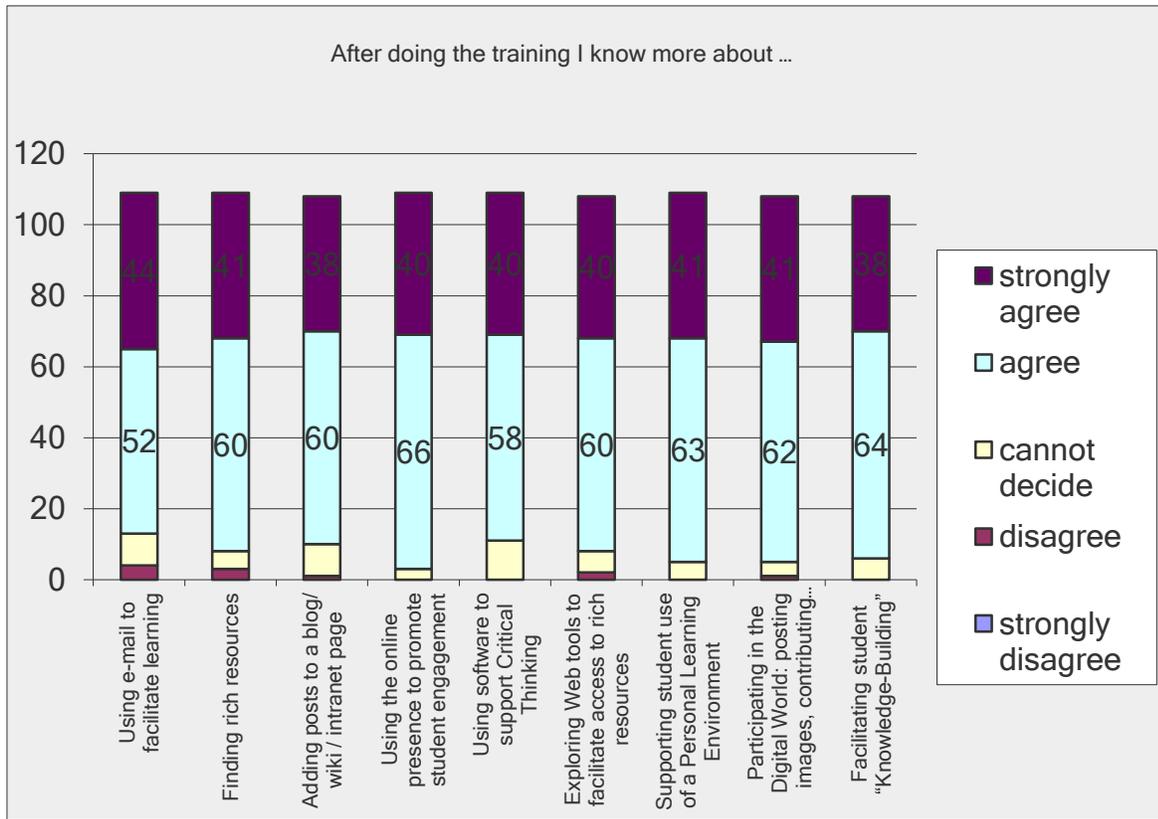


The diagram suggests that an overwhelming part of the participants are now more confident in using the tools. More than 80% perceive themselves more confident than before training in each of the learning methods.

The last question of this section asked if the respondents know more about:

- Using e-mail to facilitate learning
- Finding rich resources
- Adding posts to a blog/ wiki / intranet page
- Using the online presence to promote student engagement
- Using software to support Critical Thinking
- Exploring Web tools to facilitate access to rich resources
- Supporting student use of a Personal Learning Environment
- Participating in the Digital World: posting images, contributing content
- Facilitating student “Knowledge-Building”

The diagram below illustrates the results of the question:



The diagram shows that a vast majority of respondents perceive that they know now more about the activities related to ICT-usage in classrooms than before. In most cases more than 90% agreed that they know more about the activity. Only “software to support critical thinking” received slightly less than 90% positive responses. The answers present a strong support for the usefulness as well as the quality of the e-course.

4. Conclusion

In conclusion the results of the surveys suggest that the expectations of the training met the outcome. Also, the evaluation of each module underlines that training was satisfying and helpful for almost every participant. There are only some points that could be improved or added:

- The sound quality of the multimedia lessons could be better
- Some respondents wanted to have more videos
- Some respondents wanted to have a more practical approach.

The expectation survey showed that there is a knowledge and competence gap of some respondents that needs to be closed. The expectation survey also showed that the module topics were well chosen by the partnership.

Beside that the expectation has meet the outcomes, the satisfaction survey results showed that the participants really learnt a lot, as they perceived that they increased the knowledge and competences and that a vast majority now feel comfortable in using the learning methods taught in the course.