

## MEETINGS

### MINUTES and MAIN RESULTS of the MEETING held on 24 and 25 June 2015 in Dublin, Ireland

In this Meeting **80 representatives from 54 partners institutions of 30 European countries** took part, including Bulgaria, Austria, Belgium, Cyprus, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Poland, Romania, Slovak Republic, Slovenia, Spain, UK, Croatia, Island, Liechtenstein, Norway, Serbia, Turkey, Albania.



The project meeting was conducted with the following agenda:

No	ITEM	SPEAKER	TIME
0.	Meeting and conference registration		9:00 - 9:30
1.	Opening of the Third meeting	Dr. Markus Helfert	9:30 – 9:35
2.	Welcome Address to the Meeting participants.	- Prof Barry McMullin Dean Faculty of Engineering And Computing - His Excellency - Branimir Zaimov, Ambassador of Bulgaria to Ireland - Prof DSc Hristo Beloev	9:35 – 9:45

**Future Education and Training in Computing: How to Support Learning at Anytime Anywhere**

		Rector of University of Ruse	
3.	Introduction of the Meeting participants.	All members	9:45 – 10:00
4.	<b>WP1</b> 1. Completed tasks in the work package. 2. Discussion.	Prof. Dr A. Smrikarov	10:00 - 10:20
5.	<b>WP3</b> 1. European Strategic Framework for Computing Education and Training 2020 developed. Presentation of current progress. <b>The final version should be ready by 31.10.2015.</b> 2. Discussion.	Prof. Dr Marco Porta	10:20 – 11:00
6.	<b>Coffee break</b>		<b>11:00 – 11:30</b>
7.	<b>WP4</b> 1. Recommendation report from CEQAT for the Evaluation Framework in Computing Education and Training. Presentation and adopting the <b>final version. (The final version should be ready by 31.05.2015.)</b> 2. Discussion.	Prof. Dr Hilda Tellioglu Prof. Dr. Wladimir Bodrow	11:30 – 12:15
8.	<b>WP5</b> 1. Assessment of emerging technological tools and resources for learning purposes. Presentation and adopting <b>final version. (The final version should be ready by 31.05.2015.)</b> 2. Discussion.	Dr. Rebecca Bartlet	12:15 – 13:00
9.	<b>Taking a photo of all meeting participants</b>		<b>13:00 – 13:15</b>
10.	<b>Lunch</b>		<b>13:30 – 14:30</b>
11.	<b>WP6</b> 1. Presentation and discussion new didactical models for the use social media in e-learning. Presentation of current progress. 2. Discussion.	Prof. DSc Leon Rothkrantz	14:30 – 15:15
12.	<b>WP7</b> 1. Analysis of the surveys for the evaluation of events and developed deliverables 2. Discussion.	Prof. Dr Rositsa Doneva	15:15 – 15:45
13.	<b>Coffee break</b>		<b>15:45 – 16:15</b>
14.	<b>WP8</b> 3. Organising EMEL-COTest (European Mobile and Electronic Learning in Computing Education Test) for informing the wide public about the project progress and putting pressure on Education Ministries of partner countries continuously about innovative approaches in computing education. Presentation of current progress. <b>(The final version should be ready by 30.11.2015.)</b> 1. Discussion.	Ass. Prof. Dr Kemal Tutuncu	16:15 – 16:45
15.	<b>WP9</b> 1. Presentation of current progress; 2. Discussion.	Prof. Dr A. Smrikarov	16:45 – 17:00
16.	1. Summary report about completed work and specifying future activities; 2. Planning the next meeting; 3. Discussion.	Prof. Dr A. Smrikarov Prof. Dr Wladimir Bodrow	17:00– 17:30

The meeting was opened by Dr. Markus Helfert, representative of Dublin City University main organiser of the event.



Prof Barry McMullin, Dean Faculty of Engineering and Computing, welcomed the participants in the Meeting.



His Excellency, Branimir Zaimov, Ambassador of Bulgaria to Ireland, welcomed the participants in the Meeting.



Prof DSc Hristo Beloev, Rector of University of Ruse, welcomed the participants in the Meeting.



All participants in the meeting introduced themselves and their organisation.



***The main objective of this meeting was to discuss the work plan activities, reports by WP leaders about completed work, problems, and future activities. Special attention was paid to the European Strategic Framework for Computing Education and Training 2020 (ESFCET 2020) to be developed in WP3 and European Evaluation Framework for Computing Education and Training 2020 (EEFCET 2020) to be developed in WP4, which are some of the most important deliverables of the project.***

Prof. Dr. Angel Smrikarov, Coordinator of the ETN FETCH, reported about WP1 activities. The progress report was prepared and submitted on time, it was approved by the EACEA agency and the next instalment has been received in the University of Ruse bank account. Many thanks to all partners and mainly WP leaders for their help. There were problems with some partners, who delayed their Travel & Subsistence and Staff costs declarations which caused many problems to the project manager. This should not happen in the future and all reporting documents must be sent regularly.



Prof. Dr. Marco Porta from University of Pavia as a leader of WP3 presented the work of WP3 until that moment. Deliverables 3.1 and 3.2 have been completed. The most important deliverable 3.3. European Strategic Framework for Computing Education and Training 2020 has to be finished by 31 October, 2015. In his presentation he emphasized

on the following main points: what is a framework, what is an educational framework, what is a curriculum framework, what is outcome-based education, what is a strategic framework, the Bologna process and European Qualifications Framework. Some examples of Education Strategic Frameworks were given: Strategic framework for European cooperation in education and training (ET 2020), ICT Strategic Framework for Education (2006-07) of the Ministry of Education, New Zealand. According to the forecasts about the ICT workforce demands in Europe in year 2020 there will be a shortage of about 1 million specialists. Lessons learned from deliverables D3.1 and D3.2 were discussed. Ideas about the directions for ESFCET 2020 were discussed. While some strategic frameworks for European cooperation in education and training already exist, they are not specifically designed for the university context, nor they are contextualized in the ICT field (in the CS, CE, SE and IS areas, in particular). Existing curricula and frameworks lack some important aspects of the current teaching and learning scenario, such as the adoption, in the didactic process, of e-learning, social networks, etc. As far as possible, ESFCET 2020 should adhere to the “official” structure of a strategic framework (with the definition of a vision, a mission, etc.); however, if necessary, some exceptions may be allowed. The framework needs not be “long”, it must be well designed and effective. There should be some inputs from WP2, WP5 and maybe WP6.



Prof. Dr Hilda Tellioglu from Vienna University of Technology, the WP leader, presented WP4. The objective of WP4 is the development of a European Evaluation Framework in Computing Education and Training 2020 (EEFCET 2020), which is to be delivered by the end of January 2016. Deliverable 4.2 Report about literature review, surveys, and interviews with experts has already been finished. D4.3. Recommendation report from CEQAT for the Evaluation Framework in Computing Education and Training is almost ready and is being finalized now. D4.4 is a product and it is the EEFCET-2020 produced on paper and CD and it should be based on D4.3. The contribution to D4.4 by Tsvetelina Harakchiyska from the University of Ruse was presented. It should be based on the loop Plan-Do-Check-Act. These four aspects constitute the essential phases of organization of the evaluation procedure which focuses on four main pillars of the evaluation process:  
PHASE A: Evaluation of CE curricula and syllabi (PLANNING).  
PHASE B: Evaluation of CE curricula and syllabi (IMPLEMENTATION).

PHASE C: Evaluation of the systems for the ASSESSMENT of the performance and updating of CE curricula and syllabi

PHASE D: REVIEWING and MAKING RECOMMENDATIONS to strengthen future practice.

The Vienna University of Technology contribution to the EEF CET-2020 was presented as a block-diagram. General questionnaires for students, teachers and administrative staff were proposed.



Prof. Wladimir Bodrow, as work package co-leader, pointed out that such an Evaluation Framework will be very difficult to develop for the whole Europe as universities are too many and very different. We should not try to make all universities equal, so a more generalized framework has to be created.



WP5 was presented by Dr. Rebecca Bartlet from Liverpool John Moores University as a co-leader of this WP. D5.1. Identification of current best practice of digital curricula in European HEI has been completed. The draft version of D5.2 Assessment of the emerging technological tools and resources for learning has already been published at the project web site. D5.3 is Preparation of a set of recommendation for digital curricula and it will be discussed in more details at the meeting in Berlin. D5.2 focuses on learning as goal-oriented activity. The following modern teaching approaches/settings were discussed: Agility, Flipped classroom, Collaborative Learning Technologies: Synchronous and asynchronous communication, Online learner participation. The presentation also addressed the tremendous rise in the Interest for providing MOOCs. Some predictions of the MOOCs future were given. Some experiences on utilizing current technologies in practice were shared. Some ideas about the future efforts for 5.3 Preparation of a set of recommendation for digital curricula were proposed.



Prof. DSc Leon Rothkrantz reported about current progress in WP6 e-Learning and m-Learning in Computing supported by social media. He presented ongoing teaching and learning activities at TU-Delft, which can be a source of inspiration for FETCH activities. Teaching of mathematics will change completely at TUDelft from 2015 (pilot at Civil Engineering); 3250 first years students at TUD will attend a new course with new teaching methods (Blended learning with MOOC) to activate and motivate students. The lessons to be learned for FETCH were discussed. A paper at the e-Learning conference will be prepared about this experience. A MOOC course on pre-university calculus was also presented with elements of mobile learning. Another paper for the e-Learning conference will be prepared. A deliverable report about developing new didactical models about the use of social media and mobile learning in education is being prepared.



Prof. Dr. Rositsa Doneva presented WP7 Quality assurance. Tasks 7.1 Creation of Quality Assurance (QA) Plan and 7.2 Setting-up and testing of software tool for QA and evaluation have been completed. The progress evaluation report has been prepared and published. It is advisable that all members of the FETCH team familiarize themselves with the report as well as with the feedback and recommendations of all performed evaluations of deliverables. The next two tasks Evaluations of project deliverables and activities and Internal and external Progress and Final evaluation are in progress now. According to the QA plan now we are in the second evaluation period April 2015 to March 2016. Some evaluation activities have been delayed and we have to catch up. At the Virtual Meetings of the EB it was decided that all output deliverables will be evaluated and now evaluation of deliverables D9.10, D4.3, D5.2, D1.7, D3.5 is in progress. To the leaders of WP 4, 6, 8: Please, answer the corresponding messages (with Subject:WP7...) sent by stankah@uni-plovdiv.bg. Please complete the necessary forms (Annexes 5 & 6) before 30 June 2015. Message to all partners: Please be more active in filling in evaluation forms and complete in time!



Dr. Kemal Tutuncu presented WP8 Exploitation of Project Results. Deliverable 8.1 : Report about Current state of the European Erasmus Network for student and lecturer exchange in the field of Computing Education regarding to partners and Deliverable 8.2 Report about current state of the European Erasmus Network for practical placements of traineeship in the field of Computing Education have been published. Dr. Tutuncu concentrated on D8.3 Organising EMEL-COTest (European Mobile and Electronic Learning in Computing Education Test) for informing the public about project progress and petitioning Education Ministries about innovative approaches in computing education. EMEL-COTest is a WEB-Platform for exploitation of the project outcomes. All features of the platform were demonstrated online to all partners



Prof. Dr Angel Smrikarov familiarised the audience with the objective and tasks of WP9 - dissemination of project results. The Coordinator of the ETN presented a detailed report about the completed work and marked the forthcoming activities. Prof. Dr Wladimir Bodrow talked about the next meeting in Berlin, which will be hosted by HTW. He introduced the campus, possible hotels and activities.



**The meeting continued on the next day, 25 June, with the following agenda**

No	ITEM	SPEAKER	TIME
0.	Meeting and conference registration		9:00 - 9:30
1.	1. Information about the sent Progress report. 2. Clarifying some of the financial rules for project work; 3. Discussion.	Assoc. Prof. Em. Stoyanka Smrikarova	9:30 – 10:00
2.	<b>Work meeting WP3 – Room HG19</b> Work on WP3 – Discussing the draft version of the Strategic Framework for Computing Education and Training 2020	Prof. Dr Marco Porta	10:00 – 11:30
3.	<b>Work meeting WP5 – Room HG19</b> Work on WP5 – Discussing the Recommendations for future digital curricula in Computing Education and Training 2020.	Dr. Rebecca Bartlet	10:00 – 11:30
4.	<b>Coffee break</b>		<b>11:30 – 12:00</b>
3.	<b>Work meeting WP4 – Room HG10</b> Work on WP4 – Discussing the first draft of the European Evaluation Framework in Computing Education and Training 2020 (EEFCET-2020)	Prof. Dr Hilda Tellioglu Prof. Dr Wladimir Bodrow	12:00 - 13:30
5.	<b>Work meeting WP6 – Room HG10</b> Work on WP6. Discussing the new didactical models for the use social media in e-learning.	Prof. DSc Leon Rothkrantz	12:00 – 13:30
6.	<b>Lunch</b>		<b>13:30 – 14:30</b>
7.	<b>CompSysTech'15 – Plenary Session</b>		15:00 – 17:00

Mrs. Smrikarova, as a manager of the ETN TRICE, presented some information about the submitted progress report. The she concentrated on financial rules for project work. Detailed explanations were given about reporting the main three budget headings: Staff costs, Travel & Subsistence costs, Other costs as well as about the AUDIT 1, which must be performed by an EXTERNAL FINANCIAL EXPERT. Only the costs, verified by external auditor, may be included in the final report to the commission! IMPORTANT: all original supporting documents must be kept in the institution's financial department, because the coordinator transfers the grant to the partners who spend it. All documents must be kept for at least 5 years after the project end, i.e. until 30.10.2021. Not only the coordinator, but every partner can be a subject of an audit ordered by the Commission!

Some issues related to the Final report were also discussed. The Reported Period is 01.04.2015 – 30.09.2016. This is 18 months, which means that activities for the second half of the project have to be reported.



The following **DEADLINES** were adopted by all partners:

**Up to 31.07.2015** you are expected to send all the originals of the documents by post as follows:

1. Staff costs - The declarations for April, May, June
2. Travel costs - The declarations for the Dublin meeting along with a verified copy of all financial documents.
3. Equipment - A form about the purchased laptop along with a verified copy of the required financial documents.
4. Other costs - A form about the paid conference fee.

***The above deadlines are compulsory for all partners!***

***The work of the consortium continued in 2 separate groups, which worked in parallel in WP3 and WP5, and then in WP4 and WP6. The minutes of these meetings are published on the Documents page of the project web site.***

**Work meeting WP3, Work meeting WP4, Work meeting WP5, Work meeting WP6**



The evening continued in an informal atmosphere with Irish music and wonderful Irish cuisine in Celtic Night - The Arlington Hotel.

