



University of Maribor

Faculty of Electrical Engineering  
and Computer Science



European Commission

**TEMPUS**

*Enhancement of cyber educational system of Montenegro*

## Minutes of the 1st Meeting of ECESM National Management Board

TEMPUS: Enhancement of cyber educational system of Montenegro (ECESM)

Minutes of the meeting 5<sup>th</sup> November 2014

University Mediterranean, Montenegro



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## **Present**

### *Members of NMB*

Ramo Šendelj, University of Donja Gorica

Ranko Vojinović, University Mediterranean

Nada Rakočević, Chamber of Economy of Montenegro

Ana Rakočević, Ministry of Information Society and Telecommunications

Dragan Đurić, Institute of Modern Technology Montenegro (via video conference)

### *Other participants*

Ivana Ognjanovic, UniverstiyMediterranean

Mladen Perazić, Chamber of Economy of Montenegro

The meeting was attended by 7 participants from 5 institutions.

The meeting was held at the premises of the University Mediterranean in Podgorica, Montenegro. A chairman of the meeting was Ivana Ognjanović, the project representative of the host institution, project co-author and actively involved in current project activities.

## **Welcome**

On behalf of hosting institution, Ivana Ognjanović, PhD, together with Prof. Ramo Šendelj welcomed the partners to the first ECESM National Management Board meeting and presented the importance of joint activities at national level. The special importance for successful project realisation was emphasized on on-going



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WP2 which should develop Montenegrin society capable to support and accept cyber-security framework at national level.

#### **WP2- work progress**

As the starting point for making analyses of WP2, draft report prepared by leading institution of WP2- EU partner BUCKS, was used. All participants agreed that the following changes should be made, in accordance with deliverables from WP1 (e.g., DEV 1.1 and DEV 1.2) and current situation in Montenegro.

#### **Activity 2.1. 'Analysis of ME cyber security public awareness'**

Activity 2.1.- 'Analysis of ME cyber security public awareness' should be aimed on making analysis of the existing level of cyber security public awareness in Montenegro, and cross-matching with European standards previously annualized in DEV 1.1 and DEV 1.2. This activity will have the aim of defining the ground on which build the structure of the framework, which is expected to be sustainable for the ME government, institutions and citizens, and consistent with the EU standards. (activity 2.2- 'Development of a draft cyber security framework' )

To this end, participants agreed about identifying specific groups among ME population (from the point of WP2 aimed on raising cyber-security awareness among public audience), as follows:

*Group I:* children and youth

*Group II:* parents

*Group III:* teachers and authorities at primary and secondary schools

*Group IV:* adult citizens

*Sub-groups: IV.i:* adult citizens experienced in using ICTs

*Sub-groups: IV.ii:* adult citizens with lower level of ICT literacy

| **PROJECT COORDINATOR:** University of Maribor |

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Group V: trainers from ECESM partner (academic and research) institutions

Table 1 gives characterisation of each identified group (and sub-group) in accordance with the following specifics that should influence on further activities within 2.1 and 2.2 (aimed on development of integral national framework and further organisation of trainings for specific groups ): digital skills and online activities, online risks, current level of cyber security knowledge (assessed on the bases of previous activities and analyses conducted by Ministry of Information Society and Telecommunications and Ministry of Science).

Table 1. Specific target groups

Group/Sub-group	Digital skills	Online activities	Online risks	Current level of cyber security knowledge
1. Children and youth				
2. Parents (having children at primary and secondary schools)				
3. Teachers and authorities at primary and secondary schools				
4. Adults				
4.1. Adult citizens experienced in using ICTs				
4.2. Adult citizens with lower level of ICT literacy				
5. Trainers from ECESM partner institutions				

Thus, DEV 2.1 should:

- Provide deeper analyses on educational needs in cyber-security of each



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identified group (and sub-group)

- Provide overview of existing programs on risks of online activities in EU
- Develop a plan for trainings for each specific groups (that should be implemented through activity 2.3)

**Action 1:** Make revision of draft DEV 2.1 in order to make it compatible with suggestions from the National Management Board

**Action 2:** Invite Ministry of Information Society and Telecommunications and Ministry of Education to provide all information related to their previous activities in raising awareness among citizens

#### ***Activity 2.2- 'Development of a draft cyber security framework'***

This activity should be aimed on development of a draft framework implementing cyber security methodology. This activity should define the draft cyber security framework, and it should consider all the processes for raising awareness of risks of online activities at home, in the workplace, and in communities, and acquiring protection tools and knowledge, accessing resources to gain ability to act. Representatives of governmental institutions and HEIs will discuss opportunities and constraints of the proposed framework in a devoted workshop; both the framework of cyber promotions and a potential educational process will be discussed with the authorities in order to identify potential constraints and further opportunities in ME.

**Action 3:** Invite Ministry of Information Society and Telecommunications and Ministry of Education to provide relevant quotes from their strategies and established frameworks (if exists).

**Action 4:** On the bases of inputs provided from both ministries (Action 3), representatives from HEIs and both ministries should prepare draft version and then EU partners should give suggestions and recommendations.



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**Action 5:** Having in mind that activities 2.1 and 2.2 are behind the schedule, revised version of DEV 2.1 and DEV 2.2 shall be completed no later than 15<sup>th</sup> December, and the plan of organised trainings should be prepared and unified among Montenegrin HEIs no later than 31<sup>st</sup> January 2015.

**Action 6:** Since conclusions from the meeting define needs for major revisions of draft DEV 2.1, they should be presented and agreed among EU partners at upcoming Consortium Meeting at Tallinn, Estonia (14<sup>th</sup> November).

### **General discussion**

All participants agreed that WP1 was successfully completed, and in order to public deliverables, the following actions are needed:

**Action 7:** Academic institutions (HEIs and research institution) from Montenegro should both, translate DEVs from WP1 on Montenegrin language and prepare for publishing (proofreading, technical preparation, etc.)

**Action 8:** University of Donja Gorica should provide needed administrative procedure in order to publish translated DEVs from WP1 (with national ISBN)

Actions 7 and 8 should be completed no later than 31<sup>st</sup> January 2015.