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Waste management curricula development through partnership with public and private sector

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The meeting was held at VTŠ Niš. The meeting was attended by prof. PhD Milan Gocic Project Coordinator NatRisk and representative of WamPPP Project Partners P1, P2, P3, P4 and P5: Tijana Matejic, Dragana Vukovic, Dusan Markovic, Nebojsa Curcic, Marina Stamenkovic, Srdjan Simic, Milan Ivezić, Aleksandra Grujić, Bratimir Nešić, Branko Savić Aleksandra Boričić, Dejan Blagojević, Boban Cvetanović, Milica Cvetković, Biljana Milutinović, Miloš Ristić, Jelena Bijeljić, Natalija Tošić, Petar Djekić, Anica Milošević, Slađana Nedeljković, Milan Pavlović, Jelena Petković, Nevena Nedeljković, Nenad Stojković and Slavimir Stošović. The meeting was realized in accordance with the proposed agenda.

After the welcoming speech by Dr Aleksandra Boričić, the director of VTŠ Niš, the meeting have been started according to the proposed agenda.

Dr Milica Cvetković gave a review of activities 6.3. which is within the framework of Work Package 6, which relates to quality control. Activity 6.3. represents interproject couching and it is the activity of meeting and discussing with other projects in similar areas or with similar goals. The purpose of these meetings and discussion is exchange of ideas, discussion of complementarities and overview of activities. For this reason, interproject couching occurs when the project is running or when it is in the final stage. What links NatRisk and WamPPP is:

- Development of the curriculum mother,
- Trainings for the public sector and citizenship,
- Introduction of advanced teaching and learning processes,
- Introduction of new laboratory devices, software and literature, etc.

Then, Milan Gocic, Project Coordinator NatRisk, presented the NatRisk project. He informed the participants that this project is aimed at Developing a Master Curriculum for Managing the Risks of Natural Disasters in the Western Balkan Countries.

He informed the attendees that Natural Disaster Risk Management has become the biggest global challenge and an indispensable requirement for sustainable development and that it was set as a target of 2020 (3rd climate change target) and in the 2030 United Nations Sustainable Development Agenda ("Goal 13" fighting climate change and their impact ").

Western Balkan countries need to develop new or enhance existing education in this area, to raise technical capacity and to create more efficient systems for better response when natural disasters occur. He presented basic information about the project, project name, duration of the project, acronym, budget, project website, e-mail project who are the partners in the project, who is the coordinator, etc. He pointed out that the overall goal of the project Education of experts in the prevention and management of risks from natural disasters in the Western Balkans region based on national and EU policies.

Prof Gocic presented the specific objectives of the project through following bullets



- identification of the risk of natural disasters to be managed in the Western Balkans region and all aspects of prevention and consequences in order to define the specific competencies of future experts
- Development and implementation of new advanced master curricula in the field of risk management from natural disasters in accordance with Bologna requirements and national accreditation standards
- Development of training for the public sector and citizens for responding in case of various natural disasters

After that prof Gocic presented the steps in the project realization:

- Identification and analysis of problems and needs in the area of risk management from natural disasters in the countries of the Western Balkans, familiarization with good practices in the European Union, determination of non-compliance in this area in the European Union and the Western Balkans (until May 2017).
- Developing master curriculum with all necessary elements in accordance with the Europe 2020 Strategy, ET 2020, standards and guidelines for quality assurance and Bologna requirements and training of teaching staff (until December 2017); upgrading the teaching environment (until June 2017).
- Development of training sessions for citizens and the public sector (until February 2018).
- Implementation of master curriculum together with student practices and mobility of students and teachers (until October 2019).

Specific attention was pointed on the method of student participation in the project:

- Students have been informed about new developed master curricula and will be provided with practices in partners in the Western Balkans and in the European Union and given the opportunity to study in the EU (43 mobility).
- Students' feedback from the self-evaluation of the Master Curriculum will be one of the main indicators for the quality of the project.
- Students will be actively involved in the promotion of the developed Master Curriculum.

Also he explained how the sustainability of the project will be secured:

- Seven new master curricula in the Western Balkan countries will be developed, accredited and implemented.
- Four new trainings for the public sector and citizenship, together with the material developed and implemented.
- Further education of teaching staff with new knowledge and innovative teaching methods.
- An advanced process of teaching and learning has been introduced.
- Introduction of new laboratory equipment, software and literature necessary for the continuous development of new master curricula.
- Presented NatRisk website, social network, number of workshops held, identified
- natural disasters in the Western Balkans, Market Research 3058 respondents made a report on civil sector awareness, four new materials for training for the public sector and citizens were made, 6 out of 14 two-day training for the civil sector were conducted - attended by 200 representatives public sector
- 5 trainings for teachers in the field of introducing innovative teaching methods were held together with 5 study visits -> educated 87 teachers
- Created 7 syllabuses -> the introduction of 7 new master programs
- Signed contracts between partners with ZB and institutions in the area of NDRM for performing professional practice -> signed 4 agreements on cooperation so far.

Further prof Gocic pointed out the results of the conducted survey

- The resilience of the community is not at the required level and it is necessary to bring the elements of resistance to a higher level
- The development of the resilience of the social community should be oriented towards the principles of sustainability



- It is necessary to prepare sanitary plans as a basis for remediation of damage by types of danger
- Emergency services should be designed according to vulnerability assessments
- Threat assessments of the territory should be the basis for the dimensioning of the protection and rescue system
- Work in the system of protection and rescue should be dealt with by persons who possess specific and contemporary knowledge and skills

Finally at the end of presentation, he informed the audience about the conclusions reached through the project:

The school program should respond to the following requirements:

- the adoption of specialized knowledge in areas that treat each hazard from a group of natural disasters that endanger national and adjacent geospatial resources;
- acquiring knowledge and acquiring skills in the field of risk management from natural disasters;
- adoption of organizational-planned knowledge and skills in the field of protection and rescue measures;
- adoption of analytical knowledge and skills in the field of basic operational research and geoinformation technologies, necessary in support of decision-making in solving practical problems in the system of protection and rescue against natural disasters.

In the next part of the meeting Dr. Dejan Blagojević presented the similarities and differences between the WamPPP and NatRisk project. The WamPPP is a national project while the NatRisk belongs to the group of regional. Further the both project consortium have 13 partners. The WamPPP project has a 7 WPs, and 31 activity packages, while The NatRisk has a 8 WPs, and 35 activities.

The goals of both projects are almost the same: curricula, trainings, laboratories, awareness raising, a large number of target groups. In both projects, the analysis of the current situation was first performed.

In both projects, the preparation of the teaching materials and the content of the training - master curriculum was made and their implementation implemented, with the master program from the NatRisk project still not accredited. Dissemination activities are very similar to QA mechanisms and procedures, implementation dynamics and methodologies.

The general conclusion is that projects are very similar, to deal with matter that is similar and closely related and that, therefore, it is necessary to combine the results of the survey and research of one project and another and send them to the state institutions dealing with waste management and risk management from natural disasters they, if they want to, use it in their work.

The meeting has been finished at 3:30 pm

The meeting was closed at 3:30 pm

The minutes recorded by

Jelena Petkovic,