



Development of master curricula for natural disasters risk management in Western Balkan countries (573806-EPP-1-2016-1-RS-EPPKA2-CBHE-JP)

NatRisk newsletter, Issue 3/April 2018

IN THIS ISSUE

- ❖ [NatRisk Syllabi](#)
- ❖ [Handbook for civil sector training about natural disasters](#)
- ❖ [Best practice in innovative teaching methods](#)
- ❖ [Statistics of trained Western Balkan academic staff](#)
- ❖ [Special Mobility Strand stories](#)
- ❖ [Dissemination activities](#)
- ❖ [Radio and television](#)
- ❖ [Study visit and training of teaching staff in Vienna](#)
- ❖ [Inter-project coaching meeting in Belgrade](#)

Welcome to the NatRisk newsletter!

This bulletin provides information on the latest NatRisk project activities.



Enjoy your reading and visit the NatRisk website (www.natrisk.ni.ac.rs) to find more information.

With the best regards,

NatRisk project team



Co-funded by the
Erasmus+ Programme
of the European Union

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein

NATRISK SYLLABI

This document presents seven new and modern master study programmes and one modernized master study programme (Work Package 2.2).

The purpose of presented study programmes (Engineering Management for Natural Disasters Risk, Natural Disasters Security Risk Management, Natural Disaster Risk Management, Protection from Natural Disasters, Risk Management in case of Natural Catastrophe) is to educate master students to work in accordance with the needs of the society and for further academic development in line with the contemporary requirements of natural disasters risk management. The curricula are designed to provide competencies and the development of academic skills in the field of natural disasters risk management. Bearing in mind the social, economic and wider social significance of the security of people, natural and material assets related to the natural disasters risk management, experts in this profile have social and useful competences.

The study programmes are based on adopted principles of national policy and strategy in the field of environmental protection, international, European and national regulations and standards and modern trends for the development of the system of protection from catastrophic events.

The study programmes are harmonized with the contemporary and current scientific and professional knowledge, and are comparable with the study programs abroad (each course lasts one semester, credit system, elective courses, and independent semester projects).

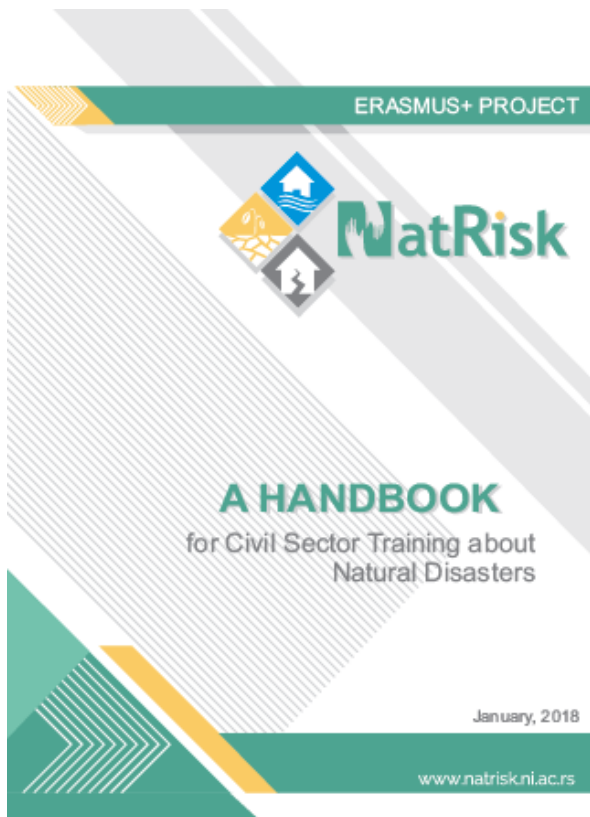
The specific objectives of the study program are acquiring the necessary knowledge and skills for:

- development of strategic and tactical plans for intervention and rescue in emergency situations;
 - mastering methods for preventing, mitigating and remedying the onset of instability of terrain and damaging geotechnical structures in different geotechnical conditions;
 - assessment of seismic hazard, reduction of seismic risk, and management of such risk;
 - mastering methods for preventing, mitigating and remedying the emergence of hydrological hazards such as droughts and floods;
 - management of water resources in condition of natural disasters;
 - the legal regulation of emergency situations caused by natural disasters and the legal regime of human rights during emergencies;
 - innovation activities and team work in emergency management;
 - permanent education and development of the knowledge system in the area of natural disasters risk management.
- Upon completion of the study program, students acquire general skills for:
- solving complex multidisciplinary problems;
 - identification and analysis of problems in the area of risk management;
 - critical thinking and strategic thinking;
 - developing of communication skills with immediate and wider environments;
 - creativity and initiative,
 - forecasting solutions and consequences;
 - monitoring technology development and improving their knowledge;
 - working in a team composed of professionals of different profiles (multidisciplinary team);
 - development of professional ethics and professional responsibility.

More details can be found on the web page <http://www.natrisk.ni.ac.rs/activities?id=122>.

HANDBOOK FOR CIVIL SECTOR TRAINING ABOUT NATURAL DISASTERS

According to the results obtained from the survey of citizens' and public sector awareness regarding natural disasters, Western Balkan partners developed four handbooks for civil sector training about natural disasters.



Natural disasters endanger health and lives of the population, inflict enormous material damage and thus significantly influence upon everyday life of population of the Western Balkan countries whose material position is unenviable even without the damage caused by natural disasters. In these handbooks readers will be introduced to the characteristic natural disasters affecting the Western Balkan countries, the normative and legal framework for the engagement of the protection and rescue system subjects in those cases, as well as certain measures and procedures that are undertaken in order to reduce the effects and eliminate consequences in the case of the emergence of characteristic natural disasters.

Handbooks can be found on the web page <http://www.natrisk.ni.ac.rs/activities?id=121>

BEST PRACTICE IN INNOVATIVE TEACHING METHODS

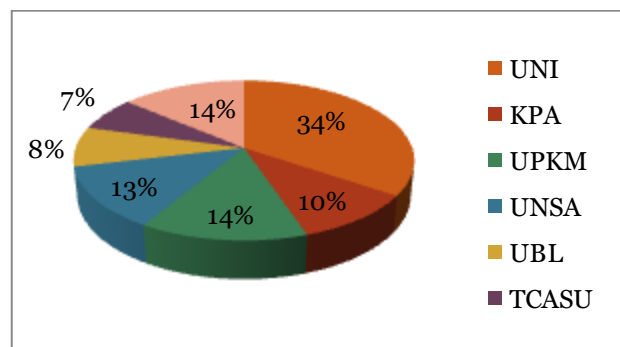
When disseminating knowledge to students or other stakeholders regarding natural disaster risk management, as in other fields of science, innovative teaching methods should be employed. This report summarizes the corresponding outcomes from the training of teaching staff conducted in Budapest, London, Chania, Messina and Vienna.

In general, before considering the teaching methods themselves, a paradigm shift towards a view that is centred on learning should be adopted. As a consequence, first principles of learning have to be understood, then learning outcomes can be formulated, and based on this the most appropriate teaching methods can be selected. These topics therefore form the structure of this document.

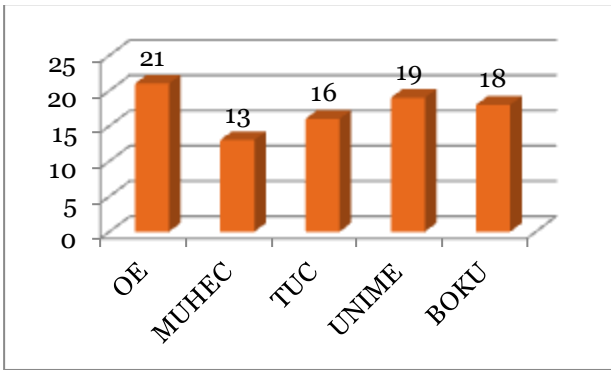
More details can be found on the web page <http://www.natrisk.ni.ac.rs/activities?id=73>.

STATISTICS OF TRAINED WESTERN BALKAN ACADEMIC STAFF

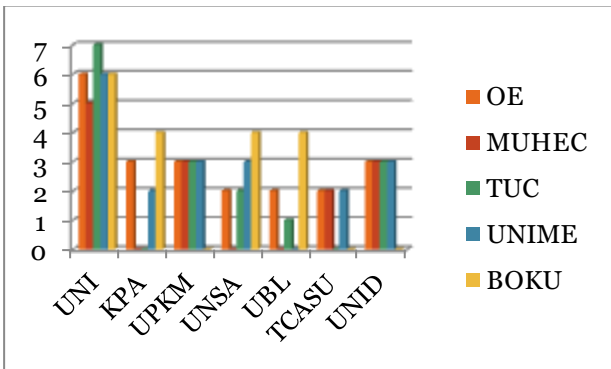
During the five trainings in EU partner countries, 87 Western Balkan teaching staff were trained i.e. UNI – 30, KPA – 9, UPKM – 12, UNSA – 11, UBL – 7, TCASU – 6 and UNID – 12. Number of male was 52 and number of female was 35.



Percentage of trained WB teaching staff



Number of WB teaching staff trained at EU partner HEI



Number of teaching staff trained per WB partner HEI

Report on training of teaching staff for innovative teaching methods can be found on the web page

<http://www.natrisk.ni.ac.rs/activities?id=73>

SPECIAL MOBILITY STRAND STORIES

During the implementation of the Special Mobility Strand, it is planned to realize 119 staff and 43 student mobilities. 16 academic staff (teaching or training) mobilities have been realized so far.



Calls regarding the Special Mobility Strand can be found on the web page

<http://www.natrisk.ni.ac.rs/mobility-strand/sms-stories>

Impressions achieved during the mobilities can be found on the web page

<http://www.natrisk.ni.ac.rs/mobility-strand/sms-stories>

DISSEMINATION ACTIVITIES



Erasmus+ Contact seminar - Higher Education Fair 2017, October 2017



International conference “The impact of changes in the international environment on the preparation and execution of operations”, November 2017



VII International Scientific Conference “Archibald Reiss Days”, November 2017



Dissemination activities at the Academy of Criminalistic and Police Studies, November 2017



Workshop with similar projects, Academy of Criminalistic and Police Studies, December 2017

RADIO AND TELEVISION

Indeks - Beograd 202, November 2017

Audio record can be found at

<http://www.rts.rs/page/radio/ci/story/29/beograd-202/2936353/indeks-.html>



RTS1, November 2017

<http://www.natrisk.ni.ac.rs/dissemination/radio-television-videos>

STUDY VISIT AND TRAINING OF TEACHING STAFF IN VIENNA

University of Natural Resources and Life Sciences, Vienna (BOKU) organized the fifth teaching staff training and study visit for Western Balkan partner HEIs, 14-16 November, 2017 in Vienna.

Western Balkan partners were trained in using learning principles, learning outcomes, teaching methods and classroom management. The participants received a guided tour through the two laboratory halls of the Institute of Mountain Risk Engineering including explanations regarding the experimental setups and their use for teaching (e.g. master theses).

The meetings were very beneficial for preparing new master curricula in the field of natural disaster risk management.



Presentations from the events can be downloaded from:

<http://www.natrisk.ni.ac.rs/activities?id=117>

<http://www.natrisk.ni.ac.rs/activities?id=118>

INTER-PROJECT COACHING MEETING IN BELGRADE

University of Defence (UNID) organized the inter-project coaching meeting, 7 March, 2018 in Belgrade.

The objective was to exchange Western Balkan and EU projects' experiences related to the realization of Erasmus+ CBHE KA2 projects. Six projects were presented i.e. **NatRisk** - Development of master curricula for natural disasters risk management in Western Balkan countries), **K-Force** - Knowledge FOr Resilient society, **ImpRESS** - Improving academic and professional education capacity in Serbia in the area of safety & security (by means of strategic partnership with the EU), **BestSDI** - Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures, **ISSES** - Information security services education in Serbia and **NarcoMap** - Improving Knowledge on NPS and Opiates Trafficking in Europe.



Presentations from the events can be downloaded from:

<http://www.natrisk.ni.ac.rs/activities?id=124>



For further information about the project please refer to the website www.natrisk.ni.ac.rs, and feel free to get in touch with us also via natriskuni@gmail.com or on one of our other social media channels.



Co-funded by the
Erasmus+ Programme
of the European Union

This project has been funded with support from the European Commission.

This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.