



Date: 12-12-2016

Place: NOVI SAD

Knowledge FOr Resilient soCiEty

KICK-OFF MEETING

PRESENTATION OF THE K-FORCE PROJECT

K-FORCE Project Management Team

k-force.pmt@uns.ac.rs

UNIVERSITY OF NOVI SAD



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THE HISTORY OF THE IDEA - ABOUT STUDIES

- *DISASTER RISK MANAGEMENT AND FIRE SAFETY STUDY PROGRAM STARTED IN 2011 AT FACULTY OF TECHNICAL SCIENCES (4-YEAR ACADEMIC BACHELOR AND 1-YEAR ACADEMIC MASTER STUDIES)*
- *THE IDEA FOR CREATING THE PROGRAMS WAS INITIATED AND REALIZED BY DISASTER RISK REDUCTION RESEARCH CENTRE TEAM:*



Dušan Sakulski



Đorđe Ćosić



Srđan Popov



Mirjana Laban





THE HISTORY OF THE IDEA - RESEARCH AREA

- 2013 - **DISASTER RISK MANAGEMENT AND FIRE SAFETY** research area was established at **Chair of Building Materials, Assessment and Repair of Structures**, Department of Civil Engineering and Geodesy
- *DRM&FSE study programme was modernized and reaccredited*



Suzana
Draganić



Ivan
Lukić



Mirjana
Malešev



Vlastimir
Radonjanin
Head of Chair



Miroslava
Radeka



Jovana
Bondžić



Slobodan
Šupić



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THE HISTORY OF THE IDEA



- *PRELIMINARY SURVEY (2015): VERY FEW SIMILAR STUDY PROGRAMMES AT ALL BOLOGNA LEVELS IN SERBIA, ONLY FEW MODULES IN WESTERN BALKANS AND SE EUROPE, NOT ENOUGH AVAILABLE RECOURCES TO IMPROVE EXISTING OR ESTABLISH NEW STUDY PROGRAMMES*
- *NO DOCTORAL STUDY PROGRAMME = NO SUSTAINABILITY OF STUDIES*
- *WE NEED ASSISTANCE FROM MORE DEVELOPED HEIs AND EU*



MAY 2014
Floodwaters in Balkans
covered an area larger than
22,000 km²
Dozens killed
Estimated damage was
3 billion euros





SURVIVAL

FLOODS
EARTHQUAKES
LANDSLIDES
FIRES
DROUGHTS
.....

COMMON REGIONAL NEEDS TO IMPROVE THE RESILIENCE OF THE REGION TO HAZARDS ARE RECOGNIZED AS THE NEEDS FOR EXPERTS CAPABLE TO IMPROVE REGIONAL CAPACITY/COOPERATION IN RISK PREVENTION AND RESPONSE

It took two years, dozens of meetings, telephone calls and hundreds of e-mails, many working hours, lots of efforts and truly good will to come to this point,

**BU WE DID IT!!! WELCOME TO
K-FORCE PROJECT!**

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K-FORCE CONSORTIUM AND CONTACT PERSONS

University of Novi Sad – Mirjana Laban

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University of Tirana – Elona Pojani

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Lund University – Patrick Van Hees

University of Žilina – Vladimir Mozer

Ss. Cyril and Methodius University in Skopje – Meri Cvetkovska

Protection and Rescue Directorate of the Republic of Macedonia – Shaban Saliiu

National Fire Protection Association – NUZOP - Igor Djuric

European Youth Parliament Serbia – EYP – Milica Simeunovic

Associated partners:

Ministry of Security of Bosnia and Herzegovina - Samir Agic

Union of chambers of commerce and industry of Albania – Ines Mucostepa



The Project CV



Project Title	Knowledge FOr Resilient soCiEty	
Project acronym	K-FORCE	
Project Number	573942-EPP-1-2016-1-RS-EPPKA2-CBHE-JP	
Project Website	http://kforce.uns.ac.rs/	
Project duration	3 years	
Start	15 th October 2016	
Programme	ERASMUS+	
Key Action	Cooperation for innovation and the exchange of good practices	
Action	Capacity building in the field of higher education	
Total cost of the project	1.237.129,00 EUR	
	Grant for Project Activities:	985.474,00 EUR
	Additional Grant for Special Mobility Strand:	251.655,00 EUR
Coordinator	University of Novi Sad	

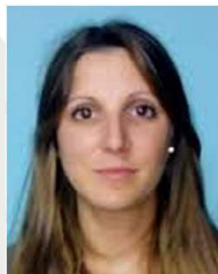


KNOWLEDGE FOR RESILIENT SOCIETY TEAM



PROJECT MANAGEMENT TEAM

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TEAM MEMBERS



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THE AIM OF THE K-FORCE PROJECT:

- to **improve regional resilience to hazards** and capability for regional cooperation in risk prevention and response and
- to ensure national professional resources and regional capacities in order to build regional-based disaster preparedness and a culture of safety and resilience at all levels according to EU Integration Strategies and National relevant strategies.

The overall broader objective to which K-FORCE project will contribute is to ensure national professional resources and regional capacity for resilient society.

In order to achieve this, K-FORCE project will create effective, contemporary and sustainable Study Programs in the field of Disaster Risk Management and Fire Safety Engineering (DRM&FSE).



SPECIFIC OBJECTIVES OF THE PROJECT

SO1. *Modernization of DRM&FSE master study programme and development and implementation of new Master programmes/modules in WBC partners HEIs, according to regional needs and contemporary EU trends.*

SO2. *Development and implementation of DRM&FSE Doctoral study programme in accordance to available resources, regional needs and European partners' expertise, in aim to ensure regional capacities and sustainable education and research in the field.*

SO3. *Continuous professional development of employees in DRM&FSE sector in WBC through creation and implementation of certified LLL courses for practitioners.*

SO4. *To improve cooperation between project partners in order to modernize teaching and training process on novel technical and technological solutions, exploiting the ICT application.*



In 3 years we plan to modernize/develop/implement 7 curricula at 6 WBC HEIs:

- *DRM&FSE academic master programmes/modules (UNS, UT, UBL, EPOKA),*
- *DRM&FSE PhD programme (UNS),*
- *Protection Engineering vocational master programme (VTSNS)*
- *Economic and Financial Resilience vocational module (UT).*

Study programmes will be interdisciplinary and created and implemented in a way that enables continuation of the studies for a number of different profiles of engineers.

The LLL courses implementation enables continuing education of DRM&FSE oriented professionals.

Study programmes, LLL courses and learning material will be available in EN/SR/BH/AL

*Education material will be available in blended way (**ICT learning platform, e-Library, DRM&FSE Glossary**) as open source educational recourses.*





Interdisciplinary curricula include subjects from various academic disciplines:

- Engineering and engineering trades as the dominant academic discipline,
- Environmental protection,
- Architecture and Construction,
- Civil Protection,
- Fire Science,
- Rescue studies,
- Climatology,
- Hydrology,
- Seismology ,
- Economy,
- other disciplines (Health, Sociology).



IMPROVING QUALITY OF EDUCATION AND TEACHING

Educational ICT based laboratories (created in WBC HEIs with interoperability capacities), **K-FORCE On-line Library**, **Glossary of DRM&FSE key words and terms** and **ICT platform** provide national/regional/international case-studies, integrated risk methodology assessment, hazard, risk and vulnerability cross-border/regional mapping and results publication.

That insures continuous common regional problem-based approach and knowledge/skills compatibility, also aligned with contemporary EU trends in DRM&FSE field.

Workplan



K-FORCE project is planned in three phases: preparation, development and implementation, and valorization phase, to be realized through 9 Work Packages (WPs):

- **WP1** Define directions for development of Master programs
- **WP2** Define directions for development of PhD programme
- **WP3** Improve teaching methodologies and embed the ICT in learning material
- **WP4** Implementation of Master Programmes
- **WP5** Implementation of PhD Programme
- **WP6** Implementation of LLL courses
- **WP7** Quality Assurance and Monitoring
- **WP8** Dissemination and Exploitation
- **WP9** Project Management



Workplan



WP 1 Define directions for development of Master programmes

Activities:

- 1.1 Analyse DRM&FSE MPs in EU and WBC
- 1.2 Analyse WBC needs for DRM&FSE MPs and learning outcomes
- 1.3 Develop new DRM&FSE MPs Curricula aligned with EU trends
- 1.4 Procure, install and activate the equipment

Duration: 15.11.2016. – 15.10.2017.

Lead Organisation: Chair: DTU

Co-chair: UNTZ

Steering Committee Member (SCM): UNS



Workplan



WP 2 Define directions for development of PhD programme

Activities:

- 2.1 Assess WB needs and EU trends in DRM&FSE PhD
- 2.2 Analyze WB teaching resources for MPs and PhD
- 2.3 Compare PhD models and curricula in EU
- 2.4 Develop PhD Curriculum
- 2.5 Compile a list of research PhD themes, according to disaster trends in WB

Duration: 15.02.2017. – 15.02.2018.

Lead Organisation: Chair: LU
Co-chair: UNS
SCM: UNIZA



Workplan



WP 3 Improve teaching methodologies and embed the ICT in learning material

Activities:

- 3.1 Study visits to PR HEIs
- 3.2 Analyse and agree on the modalities of using ICT for b-learning
- 3.3 Train the WBC teaching staff on both DRM&FSE topics and b-learning methodologies
- 3.4 Develop b-learning materials for MPs and PhD
- 3.5 Pilot the new MPs and PhD learning material, evaluation and fine tuning

Duration: 15.12.2016. – 15.07.2019.

Lead Organisation: Chair: AAL
Co-chair: UNIZA
SCM: EPOKA



Workplan



WP 4 Implementation of Master Programmes

Activities:

- 4.1 Accredite MPs
- 4.2 Enrol the Master students
- 4.3 Activate flexible ICT learning platform
- 4.4 Selected MP lectures held by K-FORCE guest lecturers
- 4.5 Evaluate the 1st cohorts' progress and satisfaction of students and staff

Duration: 15.05.2017. – 14.10.2019.

Lead Organisation: Chair: UNTZ
Co-chair: UT
SCM: DTU



Workplan



WP 5 Implementation of PhD Programme

Activities:

- 5.1 Accredite the PhD programme
- 5.2 Enrol the PhD students
- 5.3 Selected PhD lectures held by K-FORCE guest lecturers
- 5.4 Evaluate the 1st cohorts' progress and satisfaction of students and staff

Duration: 15.10.2017. – 14.10.2019.

Lead Organisation: Chair: UNS
Co-chair: AAL
SCM: LU



Workplan



WP 6 Implementation of LLL courses

Activities:

- 6.1 Analyse the WBC needs for LLL courses
- 6.2 Define LLL outcomes according to EQF/NQFs
- 6.3 Create K-FORCE Glossary
- 6.4 Adapt selected learning material for LLL courses
- 6.5 Deliver LLL courses in blended way to professionals

Duration: 15.02.2017. – 14.10.2019.

Lead Organisation: Chair: UNIZA
Co-chair: VTSNS
SCM: AAL



Workplan

WP 7 Quality Assurance and Monitoring

Activities:

- 7.1 Develop Quality Assurance mechanisms and procedures
- 7.2 Create polls for different types of activities
- 7.3 Learning material peer review
- 7.4 External review of the Glossary

Duration: 15.11.2016. – 15.05.2019.

Lead Organisation: Chair: UKIM
Co-chair: LU
SCM: UT



Workplan



WP 8 Dissemination and Exploitation

Activities:

- 8.1 Create dissemination plan
- 8.2 Develop, maintain and promote K-FORCE Website
- 8.3 Open/maintain e-library public access area
- 8.4 Perform media, enrolment and LLL promo campaigns
- 8.5 Organise 3 K-FORCE Symposia

Duration: 15.11.2016. – 15.05.2019.

Lead Organisation: Chair: UT
Co-chair: PRDM, NUZOP, EYP
SCM: UBL



Workplan

WP 9 Project Management

Activities:

- 9.1 Organize K-FORCE bodies meetings
- 9.2 Prepare/adopt the PM plan, procedures and Risk Plan
- 9.3 Organize inter project coaching
- 9.4 Manage all project activities and monitor their execution regarding timescale and expenses

Duration: 15-11-2016. – 14.10.2019.

Lead Organisation: Chair: UNS
Co-chair: DTU
SCM: UKIM



Special Mobility Strand



We have foreseen following SMS activities:

1. Students mobility between WB HEIs
2. Staff mobility from WB HEIs to Programme countries HEIs for the purpose of training
3. Staff mobility from project partner HEIs to WB HEIs for the purpose of teaching

Objectives of SMS activities are:

- Contribution to the improvement of Master programmes, Modules and PhD programme implemented in WB HEIs
- Creation of international learning experience for students at project partner HEIs,
- Development of cultural awareness among students
- Exchange of innovative teaching practices
- Learning about teaching methods and practices from Programme countries HEIs
- Development of complementary skills and competencies in the field of DRM&FSE
- Promoting international understanding and cooperation



Expected impact of the project



- Students will be educated within an interdisciplinary and problem-solving framework, through acquiring theoretical, practical and applicable knowledge, skills and competences, according to National qualifications framework and European qualifications framework, WB countries' needs and EU trends, which will be well recognized by the national and regional labour market.
- Students on other HEIs study programmes will gain basic or improved knowledge of DRM&FSE issues, consequently resulting in raised awareness among student population.
- Implemented programs will enable regional and international mobility of students and teachers from WB and their horizon broadening in this specific field.



Expected impact of the project



- Teaching staff will have opportunity to upgrade their teaching experience, capacity to pass on the knowledge updated with novel trends both in the field and teaching tools and methodology.
- Teaching staff in other disciplines will be able to foster their knowledge and capacity to introduce and interconnect DRM&FSE issues into their disciplines.
- Non-profit NGOs will have opportunity to realize their own visions and missions in building national and regional capacities for safe and prospective WB societies, on the path towards EU.
- Professionals in DRM&FSE area will expand and upgrade their knowledge and skills through LLL courses.

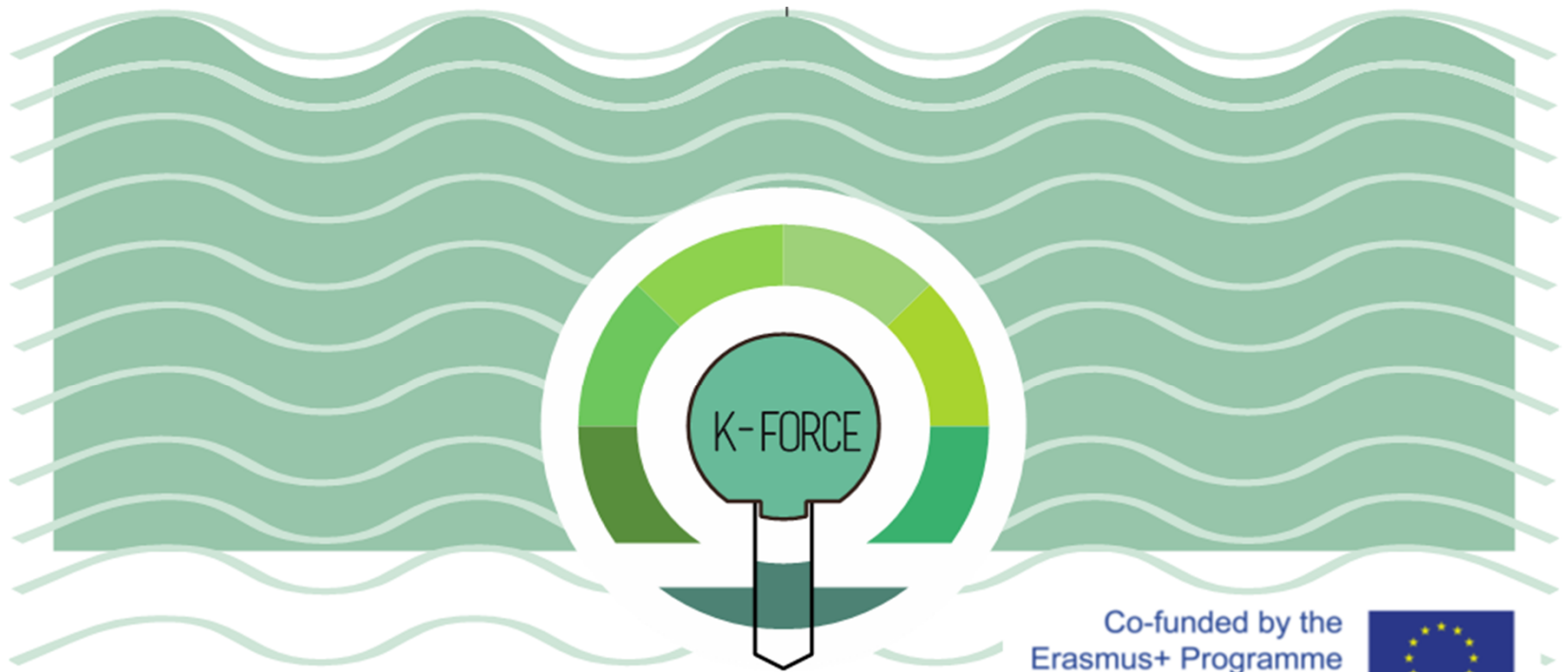


Expected impact of the project



- Public bodies and administration in charge for civil protection will improve qualification structure and better act as liaison between the emergency sector and scientific and education institutions as well as liaison between educational institutions and stakeholders from the emergency sector.
- Employees in various industrial sectors will have an open access to created On-line Library, ICT portal and LLL courses database, through which they can gain knowledge on various DRM&FSE issues, thus raising their awareness about fires and disasters.





Thank you for your attention!

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Knowledge FOr Resilient soCiEty