

Impact of the SWARM results on international level

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Workshop on the sustainability of the SWARM results
22 December 2021

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University of Nis



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Strengthening of master curricula in water resources
management for the Western Balkans HEIs and stakeholders
Project number: 597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

Activities on international level

No	Title	Dates
1	Bulgarian-Austrian Seminar	30-31 May 2019
2	REGIONAL CLUSTER MEETING ON CBHE PROJECTS' IMPACT IN THE WESTERN BALKANS	23 October 2019
3	Frontiers in Water Resources Management Webinar	5 May 2020
4	PROMOTION OF THE SWARM PROJECT IN GEOBIZ NEWSLETTER	13 October 2020
5	WaSo conference	15-16 December 2020

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Activities on international level

No	Title	Dates
6	Publication in Conference	20 December 2020
7	SWARM DISSEMINATION EVENT	9 June 2021
8	FIRST MEETING OF ERASMUS PLUS PROJECT DIGILABAC	7 September 2021
9	FIRST RESEARCH MEETING OF ERASMUS PLUS PROJECT DOHASS	9 September 2021

Bulgarian-Austrian Seminar

Series of presentation on the following topics:

- Flood risk management in Bulgaria in the period 2016 – 2021
- Uncertainty of low flow projections in Austria
- Assessment of the impact of climate change on river flow in Bulgaria under conditions of limited information
- Drought Assessment in Eastern Slovakia Using Indexes Methods
- ERDS: an Extreme Rainfall Detection System based on both near real-time and forecast rainfall measurements
- Hydrology and Hydraulic models application for emergency preparedness planning in catchments with constructed dams
- Improvements of the hydrological modelling, software applications and dam overflow computing for Arda river basin
- Updating actual capability of the dam outlet works
- Common problems of the small dams in Bulgaria
- **Development of Water Resources Management Education in The Western Balkans in Line with The National and EU Policies**

REGIONAL CLUSTER MEETING ON CBHE PROJECTS' IMPACT IN THE WESTERN BALKANS

Representatives of the SWARM project Milan Gocić (UNI), Emina Hadžić (UNSA) and Goran Sekulić participated at the Regional Cluster Meeting on CBHE projects' impact in the Western Balkans, 22-23 October 2019, Royal & Spa Hotel (Durrës, Albania).

- Capacity Building in the field of Higher Education in the Western Balkans
- Regional cooperation, modernisation, accessibility and internationalisation in the Western Balkans
- Strengthening the links with society and business to improve student and staff competencies and skills and thereby enhance the employability of graduates
- CBHE projects supporting modernisation, quality, accessibility and internationalisation of universities in the Western Balkans
- EU funded regional cooperation in education: a shared commitment

Frontiers in Water Resources Management Webinar (1)

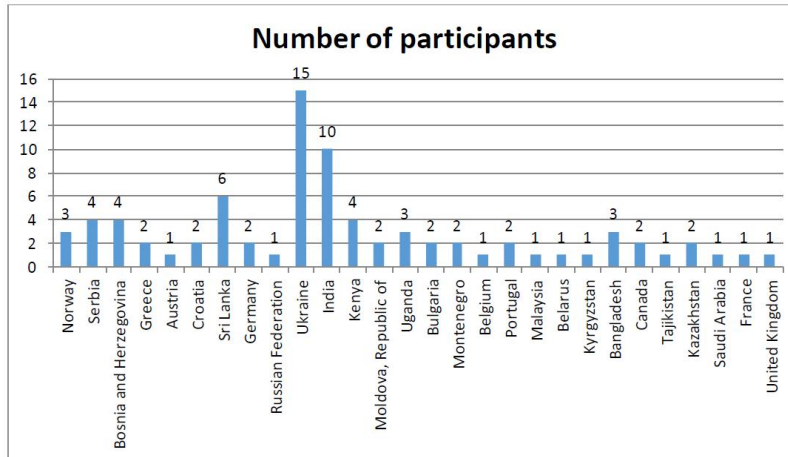
The webinar – Frontiers in Water Resources Management of the Erasmus+ Capacity Building in the Field of Higher Education project „Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders“ (SWARM), held on the 5th May 2020.

The webinar was organized by the University of Nis (UNI), Norwegian University of Life Sciences (NMBU), University of Natural Resources and Life Sciences, Vienna (BOKU), Aristotle University of Thessaloniki (AUTH) and University of Sarajevo (UNSA).

The webinar presented different interdisciplinary research experiences, in order to create a dialogue to point up solutions and synergies related to sustainable and fair water resources management, highlighting strengths, potentialities, and critical issues.

Frontiers in Water Resources Management Webinar (2)

In total 111 participants registered, 75 attended from 28 countries.



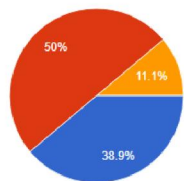
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Frontiers in Water Resources Management Webinar (3)

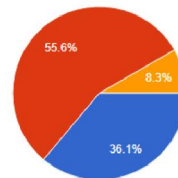
Webinar evaluation

Content of the agenda



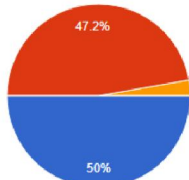
Quality of presentations

● Excellent
● Very good
● Good
● Very poor
● Poor



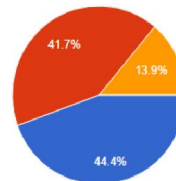
● Excellent
● Very good
● Good
● Very poor
● Poor

Logistic preparation and organization of event



Duration and timetable of the event

● Excellent
● Very good
● Good
● Very poor
● Poor



● Excellent
● Very good
● Good
● Very poor
● Poor

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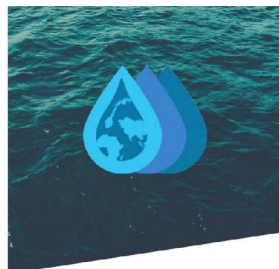
PROMOTION OF THE SWARM PROJECT IN GEOBIZ NEWSLETTER

Erasmus+ CBHE Ka2 “Business driven problem-based learning for academic excellence in geoinformatics” - GEOBIZ project

Presentation of SWARM Inter-project coaching, webinar

- ❑ The inter-project coaching is an effort of different scientific groups from the water sector that aims to further discuss water resources management issues met through various implemented or on-going projects.
- ❑ It involved 18 panellists from different universities and companies. The purposes of the meeting were to share projects’ outcomes and future ideas and focused on knowledge exchanges with partners.
- ❑ The meeting highlighted innovation in teaching and learning methods as well as achieved synergy with a non-academic sector.
- ❑ The inter-project coaching meeting presented different interdisciplinary research experiences, in order to create a dialogue to point up solutions and synergies related to sustainable and fair water resources management, highlighting strengths, potentialities, and critical issues.

WaSo conference



INTERNATIONAL CONFERENCE ON WATER, SOCIETY AND CLIMATE CHANGE

WASO 2020

PROCEEDINGS - Part II

CO-ORDINATED BY THE SWARM INNOVATION PROJECT
DECEMBER 2020, 2020



Water Resources Management - Regional Perspectives	344
Wednesday, December 16, 12:00 PM-2:15 PM GMT+1	
Session Chair: Dr Milan Gocic , University of Niš, Serbia	
Secretary: Esther Kataate , Makerere University, Uganda	
Keynote address: Attainment of SDG 6 targets: Emerging and persistent challenges in Water Resources Management in Sub Saharan Africa - Dr. Ronald Semyalo , Makerere University, Uganda	344
Presentations:	
• Drivers of Wetland Degradation in Mindiari Wetland of Central Equatoria State, South Sudan, - Christopher Lotiyo , South Sudan	346
• Evolution and Spreading of Water Scarcity Problems in the Manthai West Divisional Secretariat Division of Mannar, Sri Lanka, - Piratheeparajah Nagamunthu , Sri Lanka	355
• Modelling and Forecasting Reservoir Sedimentation of Irrigation Dams in the Guinea Savannah Ecological Zone of Ghana, - Thomas Apusiga Adongo , Ghana	363
• Water resources management education in the Western Balkan region, - Milan Gocic , Serbia	378
• The Challenges in Striving to Achieve the Water-related SDG2030-Indonesia, - Dwita Sutjiningsih , Indonesia	384
• Global Challenges, - Muhindin Jemal Kebirhusien , Ethiopia	392

International Conference on Economics and Social Sciences

The 3rd International Conference on Economics and Social Sciences
Innovative models to revive the global economy
October 15-16, 2020
Bucharest University of Economic Studies, Romania

EU and UNESCO Educational Initiatives Integration for Environmental Education on Sustainable Water Resources Management

Charalampos SKOULIKARIS^{1*}, Jacques GANOULIS²

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The aim of this work is to present the contribution of well-established educational programmes, such as the EU ERASMUS+ programme, as tools for the enhancement of environmental education, with a main emphasis on sustainable management of water resources, at higher education (HE) level. Specifically, three funded ERASMUS+ projects in which the UNESCO Chair INWEB was an active partner, are demonstrated to be successful examples of promoting ESD as well as protecting the environment. Section 2 initiates the characteristics and the necessity for environmental education at three different geographical areas in Northern Africa, **South-Eastern Europe**, and Northern Central Asia. In Section 3 the objectives of each educational project per geographic area are demonstrated, while in Section 4 the final outputs and achievements are presented.

SWARM DISSEMINATION EVENT

On 9th of June 2021 in the building of the Faculty of Technical Sciences of the University of Pristina with a temporary headquarters in Kosovska Mitrovica, a promotion of the ERASMUS + CBHE projects was held at a meeting with representatives of the HABIT AT organization.

During the meeting Prof. Dr. Nebojsa Arsic, Dean of the Faculty of Technical Sciences and Dr. Aleksandra Petrovic, presented the Erasmus + projects KALCEA, TRAFSAF and SWARM.

During the meeting there were presented the main goals of the projects, work packages and members of the consortium, as well as the activities performed so far within the projects.

FIRST MEETING OF ERASMUS PLUS PROJECT DIGILABAC

During the First Meeting of Erasmus plus project Digitalization of laboratory exercises in the classical and instrumental analytical chemistry (2020-1-SK01-KA226-HE-094322) which was held in Palacky University in Olomouc, Olomouc, Czech Republic Maja Petrović from University of Novi Sad presented the SWARM project objectives, consortium, activities and results to the participants.



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FIRST RESEARCH MEETING OF ERASMUS PLUS PROJECT DOHASS

During the First Research Meeting of Erasmus plus project Development of digital approach for occupational health and safety systems in higher education courses (2020-1- RS01-KA226-HE-094562) which was held in University of South Bohemia in České Budějovice, Czech Republic, Maja Petrović from University of Novi Sad presented the SWARM project consortium, objectives, activities and results to the participants.



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Ευχαριστώ!