

Agenda – Winter school at UNIRIFCE (on-line)

Project title: Winter school

Acronym: SWARM

Project number:

597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

Work package	Title
6	Dissemination & exploitation
Activity	Title
6.5	Winter/summer schools

<i>Dates</i>	15.11.2021. – 26.11.2021.
<i>City</i>	Rijeka
<i>Meeting venue</i>	University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) – ONLINE (MS Teams)
<i>Address</i>	Radmile Matejčić 3, 51000 Rijeka, Croatia

University of Nis



Strengthening of master curricula in water resources management
for the Western Balkans HEIs and stakeholders

Monday, 15 th November 2021		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE		
Winter school – 1st week / 1st day		
08:30-09:00	Introduction about the Winter school at UNIRIFCE	Barbara Karleuša Bojana Horvat
TOPIC: WATER MANAGEMENT Teacher: Bojana Horvat		
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Water management in Croatia • Harmonization with EU directives • Water management institutions/agencies: Hrvatske vode, International commissions for protection of major river basins (ICPDR, ISRBC), ... 	
13:00-14:00	Lunch break	
14:00-16:00	Student work (research and preparation of presentation)	
16:00-17:00	Discussion	

Tuesday, 16 th November 2021		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE		
Winter school – 1st week / 2nd day		
TOPIC: DRINKING WATER SUPPLY Teacher: Barbara Karleuša		
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Water supply systems (WSS) • Management of WSS • Presentation of WSS in Croatia - Rijeka and Istria • Challenges in (future) water supply (DRINKADRIA project) 	
13:00-14:00	Lunch break	
14:00-16:00	Student work (research and preparation of presentation)	
16:00-17:00	Discussion	

Wednesday, 17 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 1 st week / 3 rd day	
TOPIC: FLOOD PROTECTION AND TORRENTS Teacher: Bojana Horvat	
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Types of floods • Flood mapping • Flood hazard and flood risk • INSPIRE Directive: spatial data sharing • Presentation of DAREFFORT Interreg project (Danube River Basin Enhanced Flood Forecasting Cooperation)
13:00-14:00	Lunch break
14:00-16:00	Student work
16:00-17:00	Discussion

Thursday, 18 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 1 st week / 4 th day	
TOPIC: DRAINAGE (WASTE WATER AND STORM WATER) IN URBAN/RURAL AREAS Teacher: Barbara Karleuša	
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Drainage systems (waste water and storm water) • Management of DS • Presentation of DS in Croatia - Rijeka and Istria • Challenges in (future) drainage in urban/rural areas (RAINMAN project)
13:00-14:00	Lunch break
14:00-16:00	Student work (research and preparation of presentation)
16:00-17:00	Discussion

Friday, 19 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 1st week / 5th day	
TOPIC: SYNTHESIS AND DISCUSSION	
Teacher: Barbara Karleuša, Bojana Horvat	
09:00-13:00	Student presentations: <ul style="list-style-type: none"> During previous 4 days students have to prepare for each day a presentation on that day topic regarding their country / city /region Those presentations will be held by students on Friday and based on all material analysed there will be a structured discussion
13:00-14:00	Lunch break
14:00-16:00	Student work (poster preparation)
16:00-17:00	Discussion

Monday, 22 nd November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2nd week / 1st day	
TOPIC: COASTAL ENGINEERING	
Teacher: Igor Ružić, Nino Krvavica	
09:00-13:00	Lectures: <ul style="list-style-type: none"> Introduction to coastal engineering Presented of interesting coastal projects in region (marina, port and beach) Advances in using UAV and photogrammetry for coastal monitoring
13:00-14:00	Lunch break
14:00-16:00	Student work (research and preparation of presentation)
16:00-17:00	Discussion

Tuesday, 23 rd November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2 nd week / 2 nd day	
TOPIC: CLIMATE CHANGE AND WATER MANAGEMENT	
Teacher: Bojana Horvat	
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Climate change/variations and its impact on water resources • Mitigation measures • Green infrastructure • Presentation of Danube Floodplain Interreg project
13:00-14:00	Lunch break
14:00-16:00	Student work (research and preparation of presentation)
16:00-17:00	Discussion

Wednesday, 24 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2 nd week / 3 rd day	
TOPIC: HYDRAULIC STRUCTURES: DAMS AND RESERVOIRS	
Teacher: Barbara Karleuša	
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Dams and reservoirs • Hydropower (HP) plants and HP systems • Presentation of interesting HP and other systems with dams and reservoirs in Croatia
13:00-14:00	Lunch break
14:00-16:00	Student work (research and preparation of presentation)
16:00-17:00	Discussion

Thursday, 24 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2nd week / 4th day	
TOPIC: SYNTHESIS AND DISCUSSION	
Teacher: Barbara Karleuša, Bojana Horvat	
09:00-13:00	Student presentations: <ul style="list-style-type: none"> • During previous 3 days students have to prepare for each day a presentation on that day topic regarding their country / city /region • Those presentations will be held by students on Thursday and based on all material analysed there will be a structured discussion
13:00-14:00	Lunch break
14:00-16:00	Student work (poster preparation)
16:00-17:00	Discussion

Friday, 26 th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2nd week / 5th day	
TOPIC: HYDRAULICS - LABORATORY WORK	
Teacher: Elvis Žic	
09:00-13:00	Lectures: <ul style="list-style-type: none"> • Introduction • Presentation of hydraulic laboratory for research and for teaching (several examples from the hydrotechnical practicum) • Application of physical modeling in Fluid Mechanics
13:00-14:00	Lunch break
14:00-16:00	Student work
16:00-17:00	Discussion

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