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

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

Monday, 15th 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: • 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, 16th 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: • 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, 17th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 1st week / 3rd day	
TOPIC: FLOOD PROTECTION AND TORRENTS Teacher: Bojana Horvat	
09:00-13:00	Lectures: • 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, 18th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 1st week / 4th day	
TOPIC: DRAINAGE (WASTE WATER AND STORM WATER) IN URBAN/RURAL AREAS Teacher: Barbara Karleuša	
09:00-13:00	Lectures: • 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, 19th 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: • 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
16:00-17:00	Discussion

Monday, 22nd 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: • 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, 23rd November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2nd week / 2nd day	
TOPIC: CLIMATE CHANGE AND WATER MANAGEMENT Teacher: Bojana Horvat	
09:00-13:00	Lectures: • 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, 24th November 2021	
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) - ONLINE	
Winter school – 2nd week / 3rd day	
TOPIC: HYDRAULIC STRUCTURES: DAMS AND RESERVOIRS Teacher: Barbara Karleuša	
09:00-13:00	Lectures: • 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, 24th 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: • 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
16:00-17:00	Discussion

Friday, 26th 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: • 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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