

Agenda – Staff training at NMBU

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

Acronym: SWARM

Project number:

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

Work package	Title
2	Development of competence-based curricula aligned with EU trends
Activity	Title
2.5	Theme-based training of teaching staff for acquiring new teaching and learning methods

<i>Dates</i>	17 th to 19 th June 2019 (Arrival date: 16 th June, Departure date: 20 th June 2019)
<i>City</i>	Ås
<i>Meeting venue</i>	Norwegian University of Life Sciences (NMBU)
<i>Address</i>	Drøbakveien 31, 1430 Ås, Norway

University of Nis



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

Monday 17th June 2019

Session 1

Special theme training on Sustainable Urban Drainage Solutions

with participation of multiple stakeholders

co-organized with the European Water Association (EWA) and co-funded by NMBU for SWARM members

Venue: Grensesvingen 7, 0661 Oslo

07:15	Assembling for the transfer from NMBU at Pentagonveien 1, 1430 Ås <i>Bus leaves sharply at 07:30 from Pentagon hostels</i>	
08:00-08:30	SWARM participants registration at the venue <i>Grensesvingen 7, 0661 Oslo</i>	
08:30-08:45	Welcome address	Prof. Harsha Ratnaweera, NMBU
08:45-09:10	Water – scarce resource: need for sound management	Prof. Harsha Ratnaweera, NMBU
09:10-09:30	Climate Change impacts: consequences of increased precipitation	Prof. Harsha Ratnaweera, NMBU
09:30-10:00	Coffee break	
10:15-12:30	Water Sensitive Urban Design	Dirk van Peijpe, De Urbanisten
	Holistic Urban Water Management Strategies	Dr. Kim Paus, Asplan Viak
	SUDS Action Plan for the city of Oslo	Dr. Bent Braskerud, Oslo municipality
	Sustainable urban hydrological systems in Sarajevo	Prof. Emina Hadzic, UNSA
	Cost-benefit Analysis and Social Economic Considerations of SUDS	Phan Åge Haugård, COWI
12:30-13:30	Lunch	
13:30-15:00	Rain Gardens and Floodways. Examples from Scandinavian Cities	Erling Holm
	Permeable Pavements: Possibilities and Challenges in an Urban Context – lessons learned in Copenhagen	Jan Støvring, UCPH
	Potential for integrating SUDS in Trondheim, with special emphasis on extensive green roofs	Dr. Birgitte Johannessen, Trondheim municipality
14:50-15:20	Coffee break	
15:20-17:10	Source control measures as climate adaption tools	Dr. Vincent Wolfs, SumAqua
	Micropollutants and Nutrients Removal	Dr. Eilen A. Vik, COWI
	Innovations in Treatment of Storm Runoff: Integrated filter systems for highway storm water pollution	Svein Ole Åstebøl, COWI
	Treatment of storm water, the OREA treatment plant	Jan Morten Søraker, NRA WWTP
19:00-20:30	Networking dinner <i>hosted by the Mayor of Oslo</i>	
20:50	Assembling for the transfer to NMBU outside the City Hall <i>Bus leaves sharply at 21:00</i>	

Tuesday, 18 th June 2019		
Venue: TF1-102, Ground floor, Drøbakveien 31, 1430 Ås		
Session 2. Teaching methods and tools		
08:00-08:15	<i>Registration of SWARM participants</i>	
08:15-10:00	Use of digital tools in water education: Water-smart circular economy	Dr. Zakhar Maletskyi, NMBU
10:00-11:00	Problem-based learning: Introduction to project work	Dr. Zakhar Maletskyi, NMBU
11:00-14:00	Practice-based teaching approaches: Educational tour to the underground wastewater treatment plant	Bus leaves from NMBU at 11:00 sharp
18:00-20:00	Networking dinner <i>invited by NMBU</i>	

Wednesday 19 th June 2019		
Venue: Drøbakveien 31, 1430 Ås		
Session 3. Harmonization of water-related higher education and internationalization of universities		
10:00-11:00	Lab and pilot facilities tour	Dr. Zakhar Maletskyi, NMBU
11:00-14:00	Internationalization of universities and harmonization of water-related higher education	Prof. Harsha Ratnaweera, NMBU
	Digital tools in education: Conducting digital exams	Prof. Harsha Ratnaweera
14:00-14:30	Reflecting discussion & recap	

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