



TRAINING on "Sustainable Management of Irrigation Water Resources at the Scale of the River Basin"

of the project

Small-scale, low-cost, environment friendly irrigation schemes: sites selection and preparation of full work tender dossier

24 September 2019 (Tuesday)

Queen's Hotel, Vasil Gjorgov 16 Zebra Center, Skopje 1000

Start	Finish	Subject	Speaker
09:45	10:00	Registration	
10:00	10:30	Introduction – Recap on IWRM and Key Definitions the renewable resource - abstraction – supply – use – consumption – loss - return	Consultant: Brian Faulkner
10:30	11:45	 What is the Annual Renewable Resource of the river basin? Hands-on exercise with hydrological data Differences between flow mean and Q50 Hands-on exercise with Flow Duration Curves Deriving the Standard Year for water resource allocation 	Consultant: Brian Faulkner
11:45	12:15	What is 'environmental flow' and why does it matter? - Impacts of abstraction on environmental flow - Environmental flow and ecological status - Environmental flow definition and relevance, including new Macedonia methodology	Consultant: Daniela Buzharovska
12:15	12:45	Concept of "Water Available for Use" - Hands-on exercise with Environmental Flow Curves - Determination of 'Water Available for Use'	Consultant: Brian Faulkner
12:45	13:00	Questions/discussion	Attendants
13:00	14:00	Lunch break	
14:00	14:15	Video presentation - "How Rivers Work: The Role of Groundwater"	Consultant: Daniela Buzharovska
14:15	15:30	Groundwater Dynamics and Sustainable GW Abstraction - Interconnections between surface and groundwater - Concepts of annual recharge and discharge and static level - Critical importance of groundwater discharge to environmental flow	Consultant: Brian Faulkner
15:30	15:45	Coffee break	Consultant: Brian Faulkner







ПРОЕКТ ЗА МАЛИ СИСТЕМИ ЗА НАВОДНУВАЊЕ EUROPEAID/137393/DH/SER/MK



15:45	16:15	What is the annual renewable resource of groundwater? - Hands-on exercise with Baseflow Index and annual recharge	Consultant: Brian Faulkner	
16:15	16:45	Case Study of Groundwater Abstraction – Crna Reka - Assessment of sustainable irrigation abstraction - Using the RIBAMAN-5 Model for groundwater abstraction impacts - Using the RIBAMAN-5 Model for IWRM assessment	Consultant: Brian Faulkner	
16:45	17:00	Discussion – Questions – Close Out	Consultant: Brian Faulkner	



