



International Course and Field Seminar
Characterization and Engineering of Karst Aquifers
 Trebinje, Bosnia & Herzegovina



Provisional program – 2022:

Day	Time (h)	Topic/Activity	Lecturer
Day 1 (25 May)	10 – 21	Arrival, Transfer	
Day 2 (26 May) Trebinje, HET (small hall)	9.00 – 9.30	Opening ceremony Welcome speech	
		Representative of CKH - RGF Representative of HET Representative of Geological Survey of Republika Srpska	
		Introductory note	Z. Stevanović
	9.30 – 10.00	Coffee Break	
	10.00 – 10.15	Coffee Break	
	10.15–12.00	Historical development of karstology and karst hydrogeology and karst distribution worldwide Porosity and permeability of karstic rocks; Groundwater circulation in karst: recharge, flow types and directions, discharge	Z. Stevanović
	12.00 – 13.30	Lunch Break	
	13.30 -14.30	Methods in karst hydrogeology – an overview; geology, remote sensing, geophysics, water points inventory, groundwater tapping, hydrogeological properties and field tests	Z. Stevanović
	14.30 -15.30	Methods in karst hydrogeology – geomorphology, speleology, speleo diving, tracer tests	S. Milanović
	15.30 -15.45	Coffee Break	
15.45 -16.45	Quality dynamics at karst springs. Isotopic methods in karst, GW ageing	Lj. Vasić	
16.45 -17.45	Exploration of coastal karst groundwater (problems of seawater intrusion in karst aquifer)	J. Terzić	
Day 3 (27 May) HET (small hall, field trip)	9 – 11.00	Problems related to construction of dams, reservoirs and other structures in karst; Investigation, design, corrective measures.	P. Milanović
	11.00 -11.30	Coffee Break	
	11.30 -12.30	Promotion of the book <i>KARST OF EASTERN HERZEGOVINA AND DUBROVNIK LITTORAL</i> by P. Milanović	
	12.30 – 14.30	<i>Half-day field trip.</i> Oko spring intake. Grančarevo and Gorica dams.	guided by P. Milanović

Day 4 (28 May) HET (small hall, field trip)	9.00-10.30	Methods in karst hydrogeology – climate, hydrology, statistics (exercise)	V. Ristić Vakanjac
	10.30-11.15	Karst and epikarst; Karst aquifer vulnerability (overview/examples: EPIK; PI; COP; TDM...); Anthropogenic impact and hazards; Karst Disturbance Index	B. Petrović
	11.15-12.00	Groundwater management and transboundary aquifers in karst: problems and solutions	V. Marinović
	12.00 -14.00	<i>Work and demonstration in the field:</i> Springs inventory (visit of Lušac spring in Trebinje suburb).	B. Petrović V. Marinović P. Vojnović HET / CKH - FMG staff
	14.00 -16.00	Lunch Break	
	16.00 -18.00	<i>Movie afternoon:</i> Protecting the nature: “Forgotten species” (movie by S. Milanović), DVD movie “Trebišnjica”.	
Day 5 (29 May) Field trip	8.30 – 18.00	<i>One-day field trip and seminar</i> (classical karst features, phenomena, engineering structures): Popovo polje - Trebišnjica sinking river - Vjetrenica cave – vrelo Bune – Mostar - spring Vrelo Bregave – Dabarsko polje – Fatničko polje (estavelle Obod) - Bilečko Lake (submerged source of Trebišnjica River) – Trebinje.	
	20.30-	Farewell party RESTAURANT STUDENAC Certificates, Closing ceremony.	
Day 6 (30 May) Trebinje	Departure		

Coordinator CEKA 2022

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