



UNIVERZA
V LJUBLJANI

eUTOPIA
Alliance of 10 European Universities

DELAVNICA / WORKSHOP

Razumevanje rečnih ekosistemov Slovenije: ekologija, raziskave rib in upravljanje okolja

Delavnica s predavanji, terenskim delom in ekskurzijo

Understanding Slovenian River Ecosystems: Ecology, Fish Research and Environmental Management

Workshop with lectures, fieldwork and excursion

September 15-18, 2026, Ljubljana, Slovenia



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1. DAN / DAY 1: TOREK / TUESDAY, 15 SEPTEMBER

Predavanja / Lectures

Univerza v Ljubljani, Biotehniška fakulteta, Oddelek za biologijo, Večna pot 111, 1000 Ljubljana, **predavalnica B5** /

University of Ljubljana, Biotechnical Faculty, Department of Biology, Večna pot 111, **Lecture room B5**

08.30 – 09.00	Prihod in registracija udeležencev / Arrival and Registration of Participants	
09.00 – 09.10	Gorazd URBANIČ , University of Ljubljana, Biotechnical Faculty	Uvodni pozdrav / Opening remarks
09.10 – 09.35	Gorazd URBANIČ , University of Ljubljana, Biotechnical Faculty	Rečni ekosistemi v Sloveniji so raznoliki: od abiotskih razmer do združb vodnih organizmov / River ecosystems in Slovenia are diverse: from abiotic conditions to aquatic assemblages
09.35 – 10.00	Johan HÖJESJÖ & Fred HALLDEN , University of Gothenburg, Department of Biological and Environmental Sciences	Kdo kaj je? Raziskave prehrane rib z analizo želodca in stabilnih izotopov / Who eats what? Fish nutrition research using stomach analyses and stable isotopes
10.00 – 10.25	Gorazd URBANIČ , University of Ljubljana, Biotechnical Faculty	Združbe bentoških nevretenčarjev in rib v rekah: izzivi vzorčenja, determinacije in kvantitativne analize / Benthic invertebrate and fish communities in rivers: challenges of sampling, determination and quantitative analysis
10.25 – 10.50	Johan HÖJESJÖ , University of Gothenburg, Department of Biological and Environmental Sciences	Premikanje rib, kako ga meriti, povezava z osebnostjo in posledice za fitnes / Movement in fish, how to measure it, correlation with personality and implications for fitness
10.50 – 11.20	Odmor / Break	
11.20 – 11.45	Polona PENGAL , REVIVO	Primerjava obnove populacij in poribljavanja v odnosu do ekološkega stanja rek / Population recovery vs stocking in relation to ecological status of rivers
11.45 – 12.10	Johan HÖJESJÖ & Mattias LARSSON , University of Gothenburg, Department of Biological and Environmental Sciences	Invazivne ribje vrste in posledice za ekosistem / Invasive fish species and its consequences for the ecosystem



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12.10 – 12.35	Igor ŽIVKOVIĆ , Jožef Stefan Institute, Department of Environmental Sciences	Določanje vsebnosti živega srebra v ribah: priprava vzorcev, meritve in negotovosti / Determination of mercury in fish: sample preparation, measurements, and uncertainties
12.35 – 13.00	Milena HORVAT , Jožef Stefan Institute, Department of Environmental Sciences	Naravno okrevanje v Idriji: pomen za dolgoročno upravljanje okolja zaradi podnebnih sprememb / Natural Recovery in Idrija: Implications for Long-Term Environmental Management under Climate Change
13.00 – 13.30	Razprava in zaključek / Discussion and Conclusion	

Predavanja bodo v angleščini / The lectures will be in English

**Prijava za 1. dan delavnice posredujte do 4. septembra na naslednji elektronski naslov /
Please send your registration for Day 1 of the workshop until September 4 to the
following email address: gorazd.urbanic@bf.uni-lj.si**



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2. DAN: SREDA / DAY 2: WEDNESDAY, 16 SEPTEMBER

Terensko delo / Fieldwork

Terenski dan na reki Idrijci in/ali Soči z vzorčenjem rib

Field day on the Idrijca and/or Soča with fish sampling

Prikaz vzorčenja rib z metodo električnega ribolova. Identifikacija, meritve, tehtanje, količinska opredelitev in osnovna analiza podatkov. Različne oblike označevanja za spremljanje premikanja rib. Popis značilnosti habitata na vzorčnem odseku. Meritve osnovnih fizikalnih in kemijskih parametrov. Meritve hidromorfoloških značilnosti. /

Demonstration of fish sampling using the electrofishing method. Identification, measurements, weighing, quantification and basic data analysis. Various forms of tagging to monitor fish movement. Inventory of habitat characteristics of the sample section. Measurements of basic physical and chemical data. Measurements of hydromorphological characteristics.

3. DAN: ČETRTEK / DAY 3: THURSDAY, 17 SEPTEMBER

Terensko delo / Fieldwork

Terenski dan na reki Idrijci in/ali Soči z vzorčenjem bentoških nevretenčarjev

Field day on the Idrijca and/or Soča with sampling of benthic invertebrates

Predstavitev vzorčenja bentoških nevretenčarjev z metodo multimikrohabitatnih tipov. Popis hidromorfoloških značilnosti vzorčnega odseka. Popis značilnosti mikrohabitatov in njihova kvantifikacija. Vzorčenje bentoških nevretenčarjev in shranjevanje vzorcev. /

Demonstration of sampling of benthic invertebrates using the multimicrohabitat type method. Inventory of hydromorphological characteristics of the sample section. Inventory of microhabitat characteristics and their quantification. Sampling of benthic invertebrates and storage of samples.



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4. DAN: PETEK / DAY 4: FRIDAY, 18 SEPTEMBER

Ekskurzija / Excursion

Ekskurzija v Notranjski park z ogledom restavriranega odseka vodotoka Stržen

Excursion to the Notranjska park protected area with the Stržen restoration site

Območje obnove vodotoka Stržen je primer ukrepa za ponovno vzpostavitev meandrov, ki je prinesel merljivo zmanjšanje poplavnih pretokov v spodnjem toku reke ter izboljšal biotsko raznovrstnost, zlasti pri vodnih vrstah. Ekskurzija bo vključevala tudi obisk sedeža Notranjskega parka, kjer bodo udeleženci dobili osnovne informacije o preteklih in trenutnih projektih. /

The Stržen restoration site is an example of a remeandering restoration action which resulted in measurable reduction of flood flows downstream and improved biodiversity, specifically for aquatic species. The excursion will include also the visit to the headquarters of the Notranjska park where basic information on past and ongoing project is provided.



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