



# GENERAL OVERVIEW OF THE FIELD WORK ACTIVITIES

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FINAL PROJECT MEETING

**Integrated evaluation of aquatic organism responses to metal exposure: gene expression, bioavailability, toxicity and biomarker responses (BIOTOXMET)**

Zagreb, 17<sup>th</sup> February 2025





# Study area



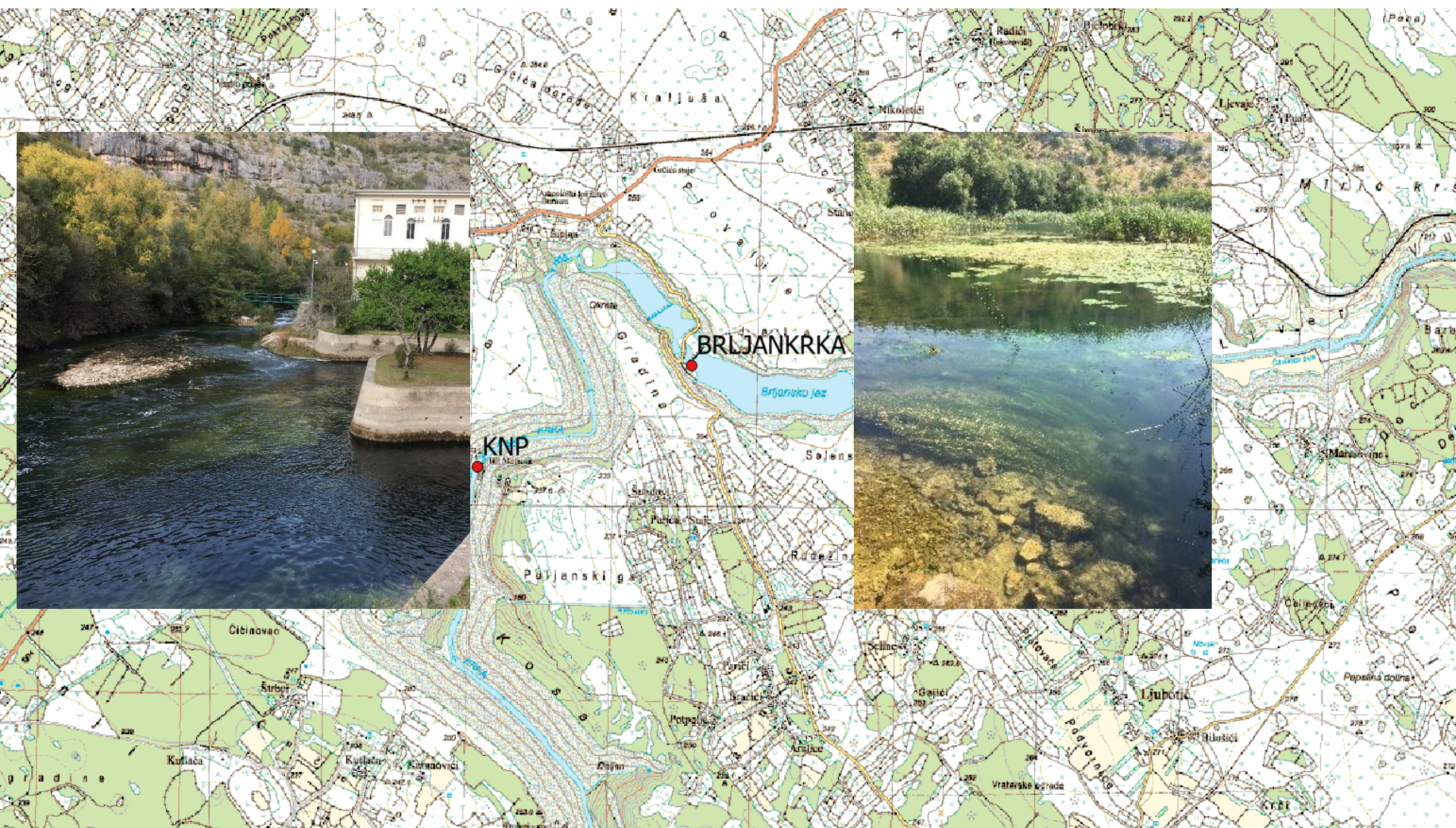


# Study area





# Study area



# Water sampling

- ▶ each season of 2021:
  - winter – January 28
  - spring – April 24–26
  - summer – July 20
  - autumn – October 18–20
- ▶ eight sites: Krka river source, Krka – wastewater outlets, Lake Brljan, Krčić spring, Kosovčica, Orašnica, Butišnica, Industrial Wastewater
  - exception Krčić spring – summer and autumn



# Water sampling



in triplicates

analysis of physico-chemical  
ed manually in polyethylene  
ously rinsed with nitric acid –

- ▶ organic parameters – collected in glass and kept at 4°C
- ▶ in situ measurements of basic physico-chemical parameters



# Fish sampling

- ▶ two season in 2021:
  - April 26–28 – spring
  - October 18–20 – autumn
- ▶ three sites:
  - Krka source
  - Krka Knin
  - HE Miljacka

# Fish sampling

- ▶ electrofishing



- ▶ *Salmo trutta* – brown trout





# Fish sampling

- ▶ April 2021:
- ▶ Krka source – 31 individuals
- ▶ Krka Knin – 25 individuals
- ▶ HE Miljacka – 16 individuals



# Fish sampling

- ▶ October 2021:
- ▶ Krka source – 36 individuals
- ▶ Krka Knin – 32 individuals
- ▶ HE Miljacka – 21 individuals



# Sediment sampling

- ▶ July

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# Field laboratory work





# Field team

