## **Geochemical Properties of Water and** Sediments of the Mur River with a focus on modern analysis map



29. 11. 2024 9.00 - 14.00



Zdravilišče Radenci (conference room Izvir)



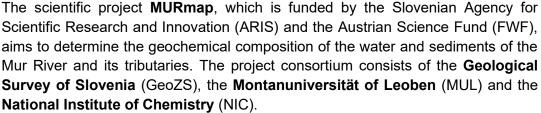
This event is aimed at:

Participation **free** of charge



- Local communities,
- Development agencies,
- Other specilised groups (fisheries, agriculture, water suppliers,..)

Reservation required for larger groups to: gorazd.zibret@geo-zs.si



The catchment area of the Mur is geologically extremely diverse. There is a rich mining tradition in the upper reaches, the river flows through numerous industrial and urban centres, and the catchment area is permeated by high-tech facilities that influence the distribution of modern pollutants. The alluvial plains in the lower part of the river, on the other hand, are suitable for intensive agriculture due to their favourable soil composition and terrain morphology, are a source of drinking water and are home to an extraordinary diversity of organisms.

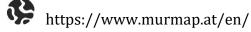
## At the event we will:

- Explain how to distinguish pollution from natural processes,
- Identify historical and modern anthropogenic sources of chemical elements,
- Explain and demonstrate sampling and analysis protocols for water and sediments,
- Visualise the analyte concentrations in water and sediments,
- present related projects involving the Mur River,
- Provide opportunities for networking with researchers working on pollution issues.











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## **EVENT PROGRAM**

9.30 - 9.40Arrival. Coffee

9.40 - 12.00Presentations (15' Presentation + 5' Discussion)

Projekt MURmap (dr. Gorazd Žibret, GeoZS)

Unlocking Sustainability: The Essential Role of Analytical Chemistry in Environmental Research (dr. Johanna Irrgeher, Ulrike Moser, MUL)

Združbe prvin v sedimentih reke Mure, značilni nosilci elementov in njihovi viri (Barbara Čeplak, GeoZS)

Sledne prvine v vodi reke Mure, njenih pritokih in pitni vodi iz obrečnih črpališčih (dr. Polona Kralj, GeoZS)

Rečni sedimenti ter spremljava in upravljanje z njihovo kvaliteto (Jasminka Alijagić, GeoZS)

Renaturacija reke Mure v Sloveniji (projekt LIFE RESTORE for MDD) (Aleksander Koren in Anja Cigan, ZRSVN, OE Maribor)

Ohranjanje dediščine »Iz globin«: čezmejni kulturno – turistični potencial (projekt deProfundis) (mag. Mojca Bedjanič, ZRSVN, OE Maribor in dr. Nina Rman, GeoZS)

**12.00 – 12.20** Coffee break

**14.00** Presentation of instruments. discussion with researchers, networking

How science can contribute to solving the problems of local communities along the Mura River (Moderator, Dr. Gorazd Žibret, GeoZS)

Vsebnost nekaterih nevarnih snovi v sedimentih rečnega korita, ekstrahiranih z zlatotopko (vrednost v oklepaju ob oznaki







