Results on sedimentological and geochemical analyses of the Krka River and its tributaries

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SECOND MEETING

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

Zagreb, 15th December 2021















Sampling stations:

- 1. Source of the river Krka (KRS)
- 2. Krka near Knin, with the discharge of municipal wastewater (KRK)
- 3. Lake Brljan (KBL)
- 4. Tributary Krčić (TKR)
- 5. Tributary Orašnica (TOR)
- 6. Tributary Butišnica (TBU)
- 7. Tributary Kosovčica (TKO)
- 8. Industrial wastewaters near Orašnica (IWW)







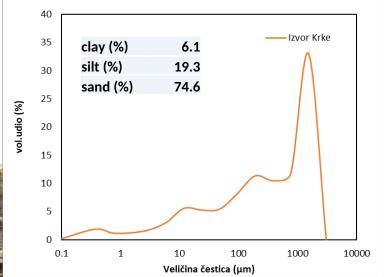








Source of the river Krka (KRS)



Medium Sand Trimodal, Very Poorly Sorted















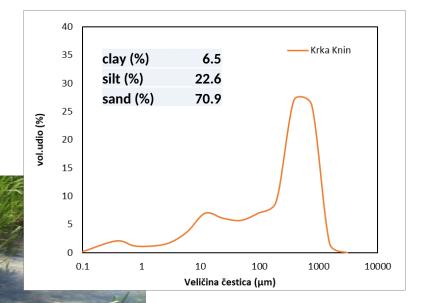




Krka near Knin, with the discharge of municipal wastewater (KRK)

Highest levels of:

Low level of:



Medium Sand Bimodal, Very Poorly Sorted

Data comparable with data for location 1 with exception of: As, Bi, Mg, Mo and Sb









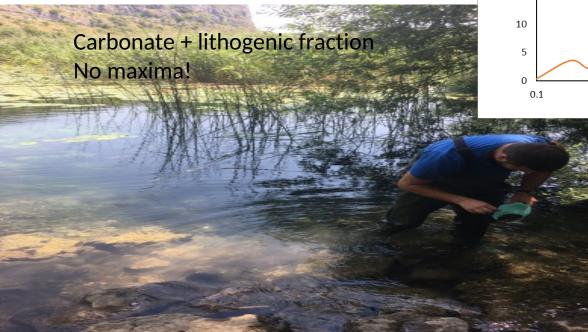








Lake Brljan (KBL)



40 -Brljansko jezero 35 clay (%) 12.5 silt (%) 59.7 30 sand (%) 27.7 25 vol.udio (%) 20 15 1 10 100 1000 10000 Veličina čestica (μm)

Very Coarse Silt Bimodal, Very Poorly Sorted









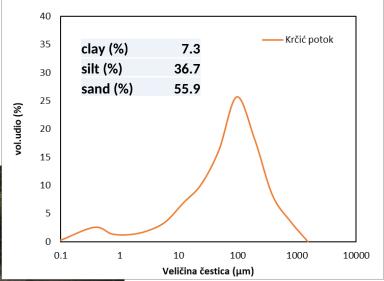












Very fine Sand Unimodal, Very Poorly Sorted









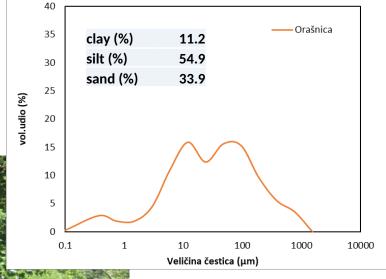








Tributary Orašnica (TOR)



Very Coarse Silt Trimodal, Very Poorly Sorted















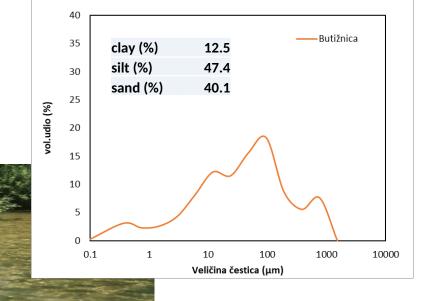




Tributary Butišnica (TBU)

High levels of:

Na, Mg, Ca



Very fine Sand Polymodal, Very Poorly Sorted









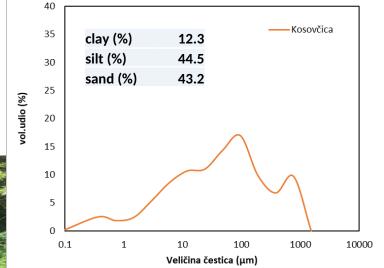








Tributary Kosovčica (TKO)



Very fine Sand Bimodal, Very Poorly Sorted











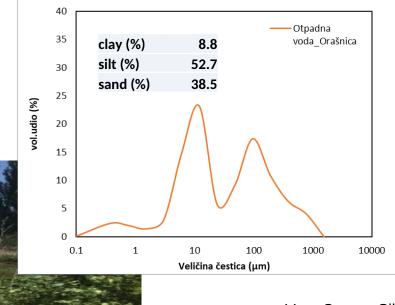








Industrial wastewaters near Orašnica (IWW)



Very Coarse Silt Bimodal, Very Poorly Sorted







As, Bi, Ba, Co, Cu, Cr, Mn, Fe, Mo, Ni,

, S, Sb, Sn, U and Zn

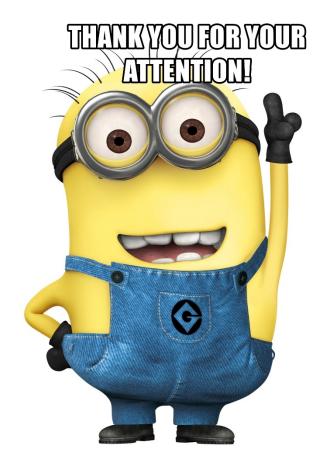












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