

HS2.3.4

Sources, transport and fate of contaminants in agricultural- and mining-impacted river catchments

Conveners: Giovanni De Giudici¹, Gwenaël Imfeld², Patrizia Onnis³, Joseph Adu-Gyamfi⁴, Valentina Rimondi⁵

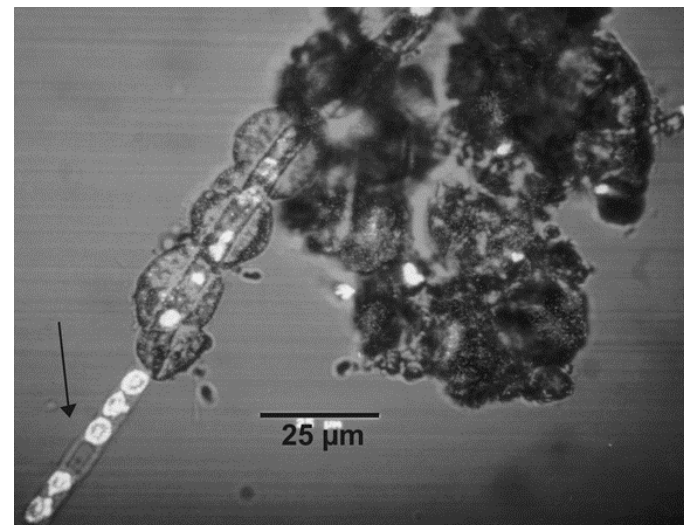
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This session aims to discuss and present issue regarding the characterization and quantification of:

- source areas contributing to contaminant mass dispersion;
- transport processes mobilizing contaminants from their source areas to and through affected water bodies including streams, rivers, lakes, wetlands, and groundwater;
- biogeochemical processes attenuating and/or transforming contaminants;
- interactions of contaminants with biota and ecosystems,
- the use of hydro(geo)chemical and stable isotope tracers to quantify (agro)contaminant sources and transport.

Subfields include research into mine water treatment and mine waste remediation practices, and biogeochemical modelling of contaminant at the catchment scale related to a variety of contaminant types including, but not limited to, metals, metalloids, rare earth elements, sulfate, pesticides and nutrients.

Session organization

- We welcome all presenters and participants attending the chat HS2.3.4 session
- The focus of the session is on the uploaded presentations
- We will discuss the displays in order of appearance and then we will take questions (<https://meetingorganizer.copernicus.org/EGU2020/displays/35510>)
- Each presenter is suggested to write a few lines (please prepare!) to:
 - ✓ provide a brief author introduction
 - ✓ highlight the presentation central points
- Please comment according to the session schedule



Any question? Contact:

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