RETROACTION OF GEOCHEMICAL PERTURBATIONS AND CRITICAL ZONE MEDIA REACTIVITY ON TRACE ELEMENTS SPECIATION AND TRANSPORT PARAMETERS (C07).

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CONTEXT Globaly understand the links between surface and subsurface biogeosphere (Critical Zone)

Coordination:



Main Goals:

- Understand the dynamics, controls, and feedbacks of fluid flow on colloid-associated Trace Metals (TM) transport and speciation from surface to subsurface by using Engineered Clay Nanoparticles (ECNs) as tracer
- Generalize the role of local geology/weather events for the subsurface microbiome

Fig. 1: Critical Zone illustration (aquadiva.uni-jena.de, Video: CRC AquaDiva)



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Execution: