

ABSTRACT
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**Cross-Formational Flow, Difffluence and Transfluence Observed
in St. Beatus Cave and Sieben Hengste (Switzerland)**

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Observations in St. Beatus Cave and neighboring caves revealed complex water flowpathes that can be used for explaining the behaviour of tracing experiments. The observations prove that even in vadose conditions, cross-formational flow, difffluences and transfluences are a quite common feature. Therefore, also the vadose karst has a very complex organisation.