

## **B02: That biogeochemistry has a short attention span! Insights for scaling**

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### **Session Description**

Many hydrochemical and biogeochemical processes are extremely variable in both space and time. Despite technological advances, there are often significant barriers to characterizing the full complexity of these processes. A fundamental challenge of this work is scaling from short-term dynamics to longer time scales and understanding the importance of transient biogeochemical processes in larger scale patterns. This is particularly important for understanding how biogeochemical cycles respond to environmental drivers, including precipitation events, temperature fluctuations and redox conditions, among others. This session will feature contributions from researchers investigating transient biogeochemical processes. We encourage submissions with a focus on short-term biogeochemical patterns and those that address the challenges of scaling local or transient dynamics to larger scales, through novel technologies or new quantitative approaches.

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