

Call for Proposals Critical Zone Collaborative Synthesis Activities

The Coordinating Hub of the Critical-Zone Collaborative Network (CZ-Hub) invites proposals that foster emergent knowledge and a new understanding of the critical zone through scientific synthesis. One synthesis Working Group will be supported beginning in 2021 at the John Wesley Powell Center for Earth System Science Analysis and Synthesis. Additional CZ Network synthesis Working Group opportunities will be available beginning in 2022 and 2023.

Scientific synthesis integrates diverse data and knowledge to increase the scope and applicability of results and yield novel insights or explanations within and across disciplines. We invite you and your colleagues to propose interdisciplinary or transdisciplinary questions that address the development and testing of critical zone science concepts and theories, using existing data and cutting-edge analysis of critical zone information. The successful Working Group will be supported with two week-long meetings at the Powell Center in Fort Collins, Colorado over two years for a team of up to 15 participants, support for a post-doctoral Fellow, between-meeting collaborative tools, and computing and data management support.

This competition is open to anyone with questions that advance important Critical Zone science. Data can come from any source, but note if data will be used from previous critical zone observatory (CZO) efforts. CZO data are available in the Hydroshare (<https://www.hydroshare.org/communities/>) and EarthChem (<http://www.earthchem.org/portal>) repositories.

Proposal Deadline: Friday, February 26, 2021

Proposals will be reviewed by selected members of the CZ-Hub's science advisory board, augmented if needed by ad hoc experts. Submissions will be evaluated on the following criteria: addresses an issue that has the potential to advance scientific understanding, well-articulated hypotheses, high likelihood for success, clear plan for data synthesis and data sharing, strong management plan, post-doc mentoring plan, and commitment to broadening participation for greater diversity. Full instructions for proposal preparation and submission are available at: <http://powellcenter.usgs.gov>.



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