

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

Critical Zone Observatories

RRID:SCR_002199

Type: Tool

Proper Citation

Critical Zone Observatories (RRID:SCR_002199)

Resource Information

URL: <http://criticalzone.org/>

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Description: Data related to the National Critical Zone Observatory Program including in-situ environmental sensors, field instruments, remote sensing, and surface and subsurface imaging. The Program serves the international scientific community through research, infrastructure, data, and models. They focus on how components of the Critical Zone interact, shape Earth's surface, and support life. A primary goal is to develop high-resolution 4D datasets that inform our theoretical framework, constrain our conceptual and coupled systems models, and test our model-generated hypotheses. They are developing cross-CZO capabilities to easily share, integrate, analyze and preserve the wide range of multi-disciplinary data generated by CZOs.

Abbreviations: CZO

Synonyms: National CZO, US NSF National CZO program

Resource Type: database, data or information resource

Keywords: 4d, air, life, soil, rock, model, water, data set, meta-data standard

Funding: NSF

Availability: Free

Resource Name: Critical Zone Observatories

Resource ID: SCR_002199

Alternate IDs: nlx_154707

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260808T190348+0000

Ratings and Alerts

No rating or validation information has been found for Critical Zone Observatories.

No alerts have been found for Critical Zone Observatories.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Brewer TE, et al. (2019) Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. mBio, 10(5).