

REYNOLDS CREEK

Critical Zone Observatory



Hi, I am Dr. Kathleen Lohse and I lead the research conducted at the Reynolds Creek CZO.



Researchers at Reynolds Creek want to know how

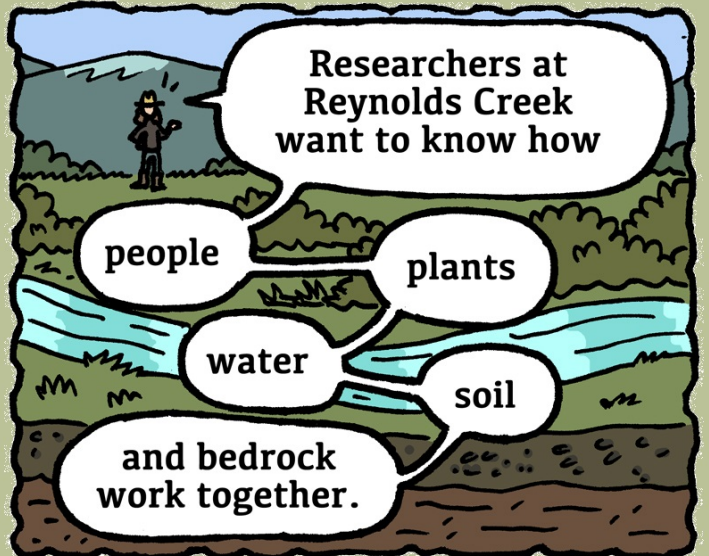
people

plants

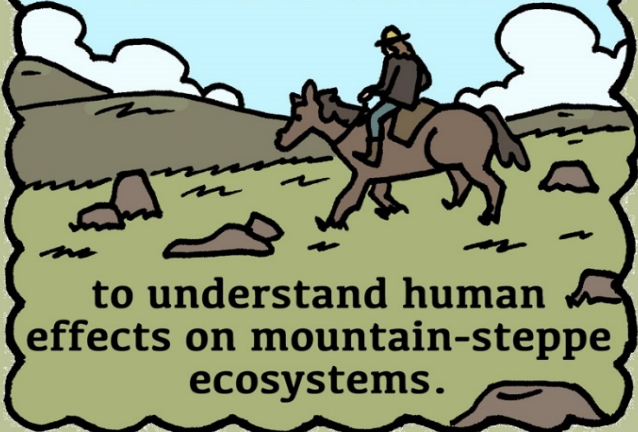
water

soil

and bedrock work together.



Reynolds creek was started by the USDA-Agricultural Research Service



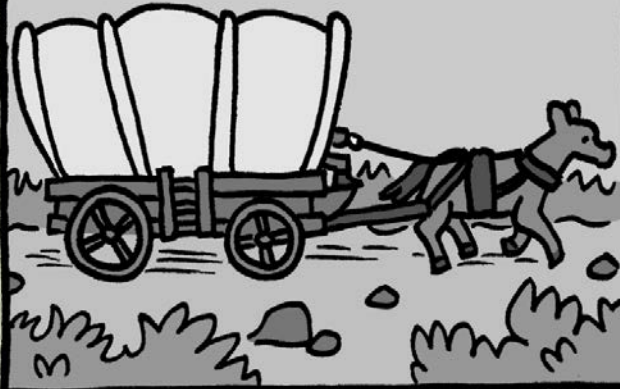
to understand human effects on mountain-steppe ecosystems.

One of our main tasks as a CZO is to determine how climate change will affect snowfall and water



and carbon in soil.

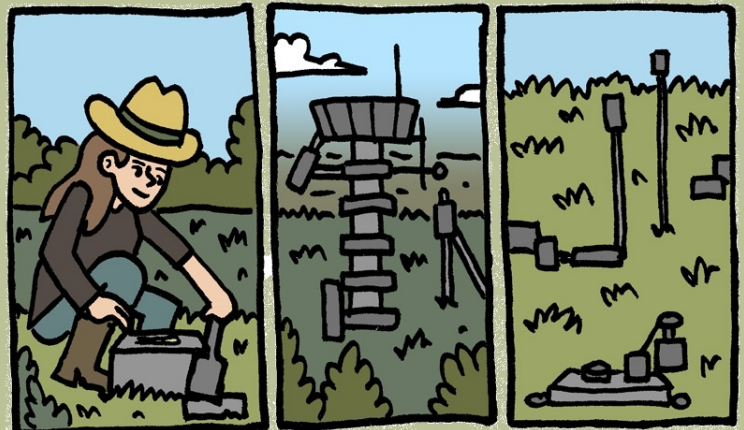
Ranching and other new-land uses have affected the ecosystem.



Today we now work closely with ranchers to protect these ecosystems from invasive trees and plants, like cheatgrass.



Both of which can lead to more powerful forest fires.



We have instrumentation to measure these changes to the water-carbon system.



Our main goal is to understand the impact on the mountain Critical Zone, to promote a sustainable future!

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Storyboard created by
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Illustrations by Mathew New
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