

@15:32



@15:42



Civilian Conservation Corps—US, 1933-1943

@17:33

- Over 3,000,000 employed by the CCC to work on restoration efforts
- Planted 2.3 Billion trees
- Revegetated 1 trillion sq yds of gullies
- Restored 600,000 acres of degraded farmlands
- Installed 300,000 check dams
- Built more than 150,000 miles of contour furrows



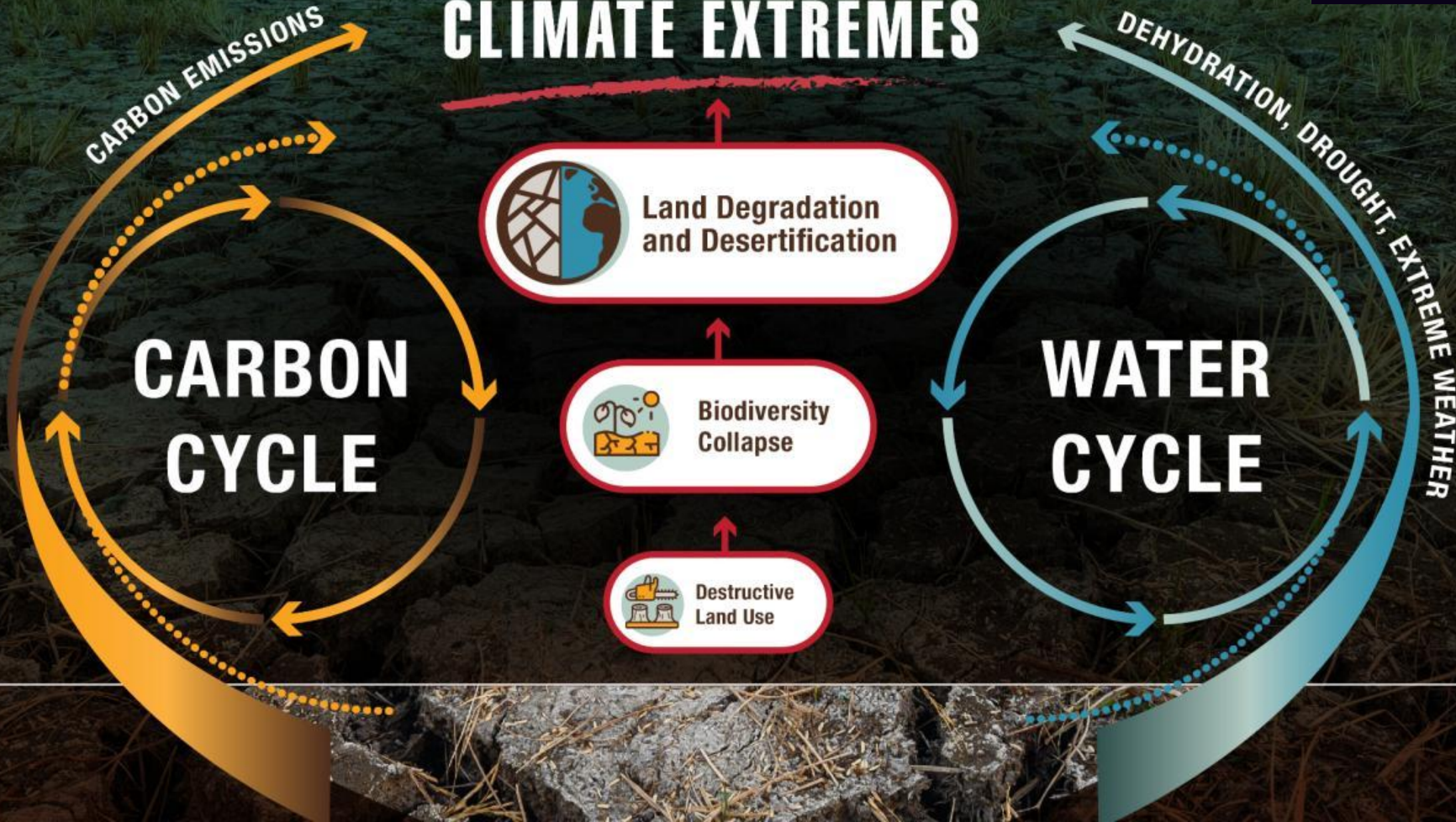
Example of Successful Landscape-Scale Restoration

Loess Plateau—China (1995—2015)

@18:41



CLIMATE EXTREMES



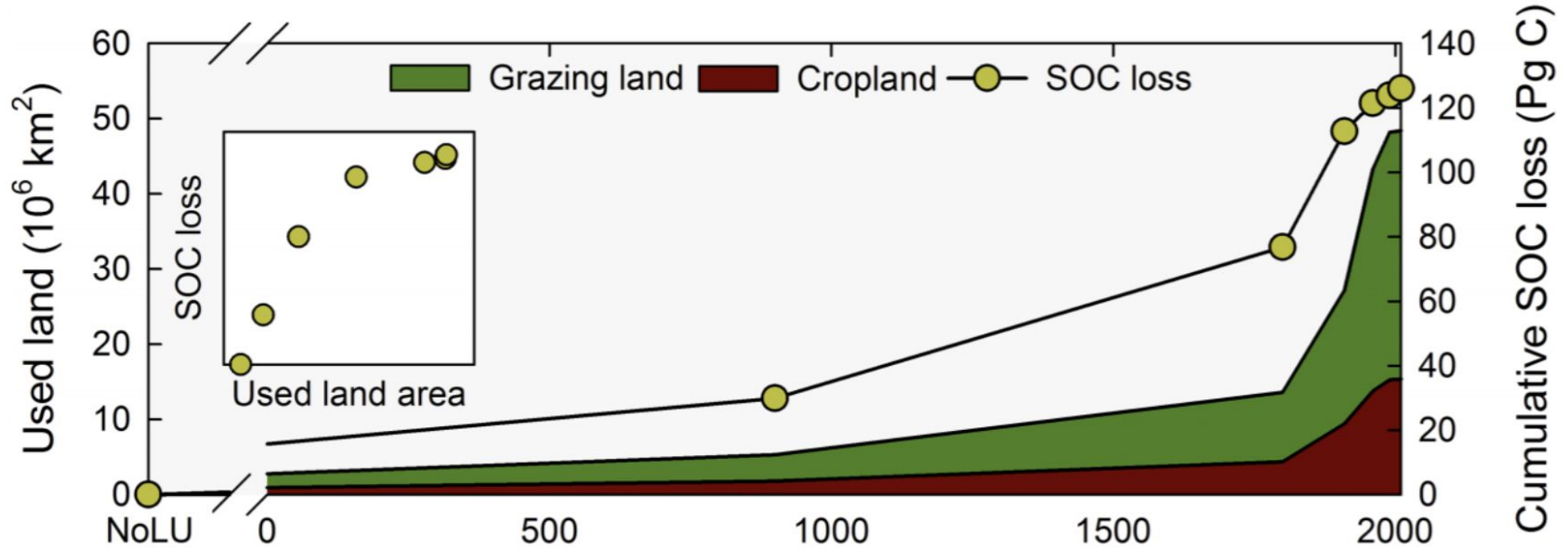
RESEARCH ARTICLE

Soil carbon debt of 12,000 years of human land use

Jonathan Sanderman, Tomislav Hengl, and Gregory J. Fiske

+ See all authors and affiliations

Net Loss of 133 Gigatons of Soil Carbon over the last 12,000 years---~1/3 of all excess CO₂ in atmosphere



@34:59

Nature-based Solutions: *Biodiversity as Community Development*





**Mastering Water Cycle
Principles: Using
Regenerative Agriculture
to Enhance Soil Moisture
and Improve Local
Weather**

Dr Elizabeth Heilman

Wichita State University
Rengerativewisdom.com



<https://vimeo.com/user121276623/review/1043978858/e7286194e5>



Cool Boulder— 45+ Community Partnership (and growing!)

Initial partners include:

- [Bee Chicas](#)
- [Boulder JCC](#)
- [Boulder Housing Partners](#)
- [Boulder Valley Rotary](#)
- [Butterfly Pavillion](#)
- [Classrooms 4 Climate Action](#)
- [Community Fruit Rescue](#)
- [CSU Extension](#)
- [CU Masters of the Environment](#)
- [Davey Resource Group](#)
- [Drylands Agroecology Research](#)
- [Eco-Cycle](#)
- [BVSD Eco-Warriors](#)

- [Endangered Species Coalition](#)
- [Goss Grove Neighborhood Association](#)
- [Growing Gardens](#)
- [Harlequin's Gardens](#)
- [Left Hand Watershed Center](#)
- [National Oceanic & Atmospheric Administration](#)
- [People & Pollinators Action Network](#)
- [PLAY Boulder Foundation's Tree Trust](#)
- [Resource Central](#)
- [University of Colorado's Earth Lab](#)
- [We Love Trees, Inc.](#)
- [Wildlands Restoration Volunteers](#)
- [Xerces Society](#)
- [Your Neighborhood Christmas Tree Farm](#)

