

# Solid and Hazardous Waste Management

# Introduction

- ▶ I'm Adam (he/him)
- ▶ Got my doctorate at CU in 2022; work focused on ecosystem response to aridity; pre-CU past includes work on snow hydrology, mountain weather, and lake effect snowstorms.
- ▶ Since 2018 I've worked as an environmental consultant with Keta Waters; most of my work is on river systems in the Pacific Northwest of the US.
- ▶ I also enjoy dancing, running, walking, baking & cooking, and reading.

# What do I bring to this course?

- ▶ I am not a leading expert on Solid and Hazardous Waste.
- ▶ I am a relatively experienced scientific researcher in diverse domains.
- ▶ I am a relatively experienced engineering problem solver in diverse domains.
- ▶ I've participated in and facilitated programming on education in higher ed. I care a lot about learning.

# Goals for today

The goal is to introduce:

1. The learning objective for the course.
2. The learning community approach to this course.
3. How we will use group projects to achieve the learning objective.
4. Introduce the class website, and tentative plan for the next couple of weeks.

# The Learning Objective

Collectively design solid/hazardous waste-related interventions that improve the health of the Earth system.

# Learning Community Approach

- ▶ We are a community working together to achieve our learning objective.
- ▶ Think of me as a facilitator to help the collective towards that learning objective.
- ▶ Community agreement

... How, specifically, will we meet the learning objective?

- ▶ "Collectively design solid/hazardous waste-related interventions that improve the health of the Earth system."
- ▶ We will do exactly the learning objective in group projects, and learn by doing (active learning).
- ▶ Our first task is to get into groups (4-6 people)!
- ▶ (we will do more thorough class introductions, etc. through our groups)

# The Website

- ▶ This is where all updates will be pushed, and is the place to check for what's going on.
- ▶ It is also editable through github; but you can also just email me any edits you want.



## Solid and hazardous waste warm up activity

- ▶ Think about how you would define "waste". And what about the "solid" and/or "hazardous" parts?

## Solid and hazardous waste warm up activity

- ▶ Think about how you would define "waste". And what about the "solid" and/or "hazardous" parts?
- ▶ How would your answer change if you were an aerobic bacteria, earthworm, or fungi?

## Solid and hazardous waste warm up activity #2

- ▶ If you were not allowed to dispose of any solid waste (for example, you had to keep it in your dorm room or apartment, forever) how would your life choices change?

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- ▶ If you were not allowed to dispose of any solid waste (e.g., you had to keep it in your dorm room or apartment, forever) how would your life choices change?
- ▶ Why did I ask you to do this thought experiment?

# Thank you!!!

- ▶ Please bookmark the website (<https://bit.ly/4e8oa4R>; QR Code).
- ▶ Think about project ideas, and be ready to discuss on Thursday.
- ▶ If you haven't already, please record a name pronunciation on Courseworks.