Engineers Without Borders

Fall 2021 Information Session

WELCOME!

ABOUT US

SUSTAINABLE SOLUTIONS

NON-PROFIT ORGANIZATION

INTERNATIONAL PARTNERSHIPS

Your 2021-2022 Board Members

Faculty Advisor
Dr. Colleen Bronner

President
Sergio Jimenez

Administrative Lead
Fatima Segoviano

External VP
Jeremy Inducil

Internal VP
Michelle Zhang

Program Manager
Krista Blide

Your 2021-2022 Board Members

Publicity & Socials
Kylee Schneeberger

Fundraising
Co-Lead
Arista Wu

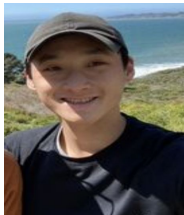Fundraising
Co-Lead
Taylor Lithgow

Social Chair
Neil Carlson

Graduate Student
Advisor
Spencer Dahl

Graduate Student
Advisor
Mia Gaiero

Technical Workshops
Davis Kim

Treasurer
Manya Murali

OUR GOALS FOR THE YEAR

1. Promote interdisciplinary learning

2. Encourage cultural awareness

3. Teach project management skills

4. Implement sustainable solutions

5. Encourage community involvement

Not just for engineers!

Community Partnership

Mapping

Education

Menstrual Hygiene

Public Health

Communications

Club Organization

- Speakers Series
- Workshops:
  - Technical
  - Cultural
- Fundraising
- Socials
- Project Teams:
  - Peru
  - Bolivia
  - Kenya

Fundraising Committee

Meeting Time: **7 - 8 p.m., Sunday (Zoom)**

Leads: Arista Wu, Taylor Lithgow

Goals for This Year:

- Partnerships with local businesses
- Relationship with office of external affairs
- Social media presence for fundraising and networking
- Update team level resources

BRINGING THE VISIONS OF EWB TO LIFE

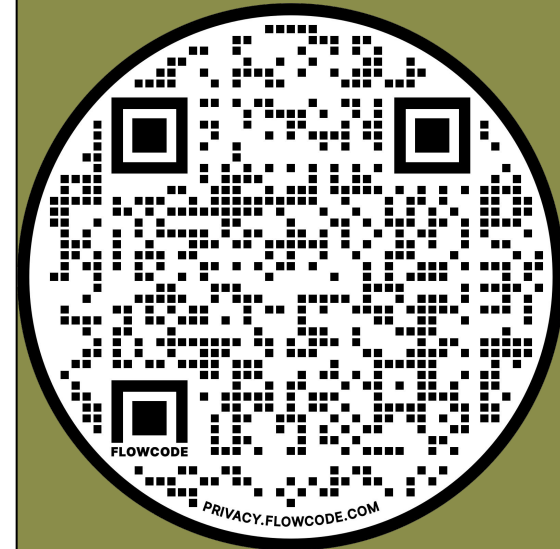GOAL: $22K

Fundraising Committee

Fundraisers

Grants

Sponsors

Review

Take the next step by sending an email to

ariwu@ucdavis.edu

FLOWCODE

PRIVACY.FLOWCODE.COM

Socials

Leads

❖ Neil Carlson

❖ Kylee Schneeberger

- Around 2-3 socials each quarter
- Strictly fun only
- Potential Ideas:
  - Game Night
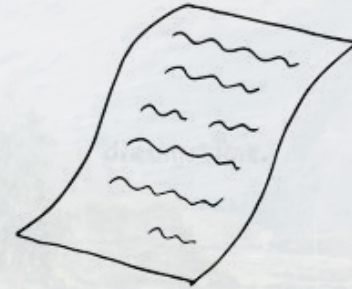 - Hide and Go Seek
  - Farmers Market Hanging

Technical Workshops

Workshop Goals
- To support our project teams
- Teach useful skills so that all members can contribute to their team
- Teach members skills that are useful both in and out of the classroom

Planned Workshops for the Quarter
- Proposal/Grant Writing
- Water Quality Workshop

Lead: Davis Kim

Current Projects

Bolivia

Peru

Kenya

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Project Leads

Bolivia

Sanitation Project

Tony Radtkey

Ruby Telfer

Bolivia Project

Village: **Parque Colani**
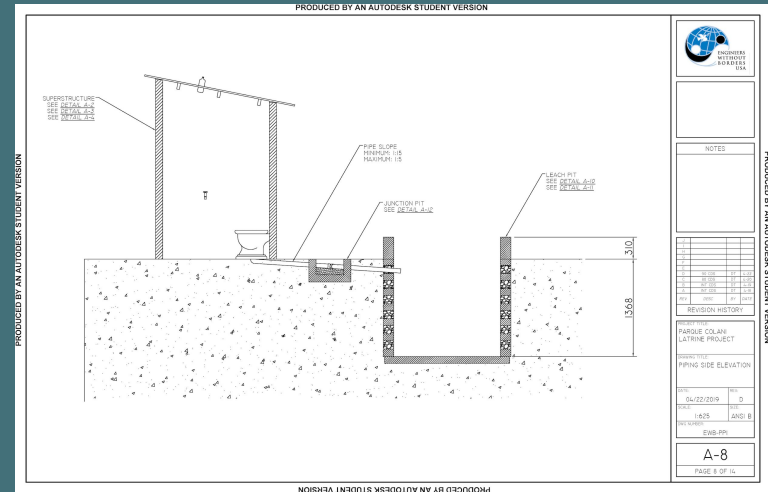Located: **Western Bolivia**
Population: **91**

Implementation

Project Scope:
- Design/Build 25 sustainable latrines
- Advocate on proper hygiene practices

Project Design:
- Twin-pit composting latrine
  - Includes: shower space & hand-washing station

Past Work

2019: Travel trip

- Built community latrine
- Distributed re-usable female hygiene kits

2020/2021: Remote work

- Built 1 household latrine (Fall 2020)
- COVID/food relief effort (April 2021)

Bolivia Subteams

- Construction
  - Make material calculations, edit and create construction/maintenance manuals
- Project Inspectors
  - Inspect daily construction photos during remote implementation, ensure construction follows our design
- Communication
  - Frequent communication with construction manager and community members, translate documents
- Budget
  - Estimate cost of materials, organize payments, apply for grants
- Education/Cultural
  - Create hygiene lesson plans for community, share current events and Bolivian culture with team

Future Plans

- Build remaining latrines (some remotely)
- Maintenance/construction manuals
- Creating more hygiene lesson plans
- Strengthen relationship with the community

This year:
- Remote construction of 4 latrines this fall
- Plan for possible in-person travel next summer
- Partnering up with a new NGO
- Apply to new grants

Sign up for our email list and join the Bolivia project!