# Planting ()

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## Impact & Evaluation

We have reached a wide audience!

3 community

Seminars

18 faculty

7 undergrad

ME capstone

49 undergrads 3 faculty

Sustainability ESW (5) projects and organizations







Introduction

Our project had 3 main goals:

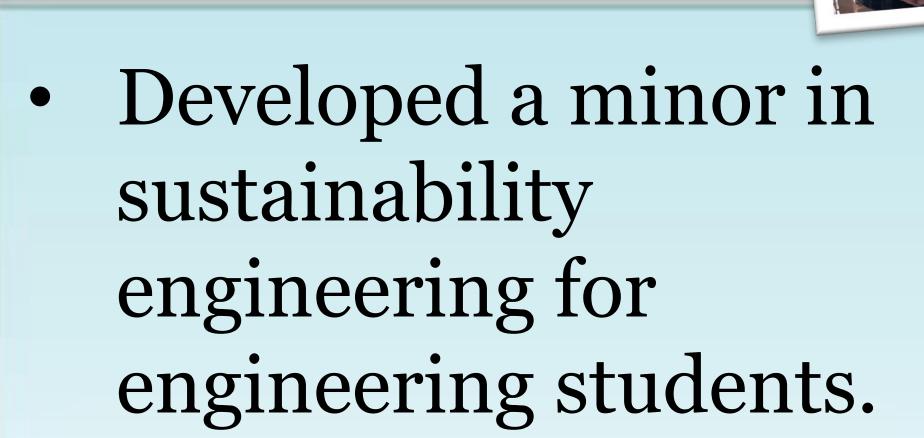
1. Develop new sustainability programs

2. Expose faculty and students to sustainability topics

3. Integrate sustainability in core ME courses.

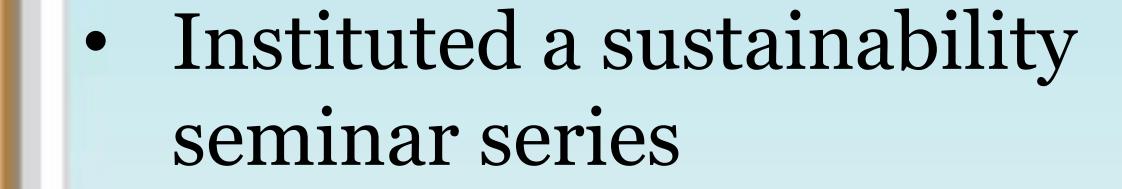
Methods We adopted three main curricular changes based on the EOP framework [1]

## sustainability programs



This minor is making its way through OU governance.

### sustainability exposure



- Formed two sustainabilityfocused student teams
- Instituted an Engineers for a Sustainable World chapter

### sustainability in ME courses

- Developed a capstone laboratory based on geothermal heat exchangers and EOP framework [1]
- Deployed the lab to 49 students in FALL 23

#### References

[1] The Lemelson Foundation (2022). The Engineering for One Planet Framework: Essential Sustainability-focused Learning Outcomes for Engineering Education (2022). Retrieved [December 19, 2023] from EOP\_Framework\_2023.pdf (engineeringforoneplanet.org)

#### Acknowledgements

We would like to thank our seminar speakers, Mark Lefsrud and Glenn Lipscoomb, the Lemelson foundation and ASEE.