



Scaling for Impact Workshop Action Agenda



Scaling for Impact Workshop

On June 21-23, 2022, the **Engineering for One Planet Scaling for Impact Workshop** engaged 101 attendees from 25 states and 13 countries representing engineering industry, academia (students, faculty, deans), government, and nonprofit organizations. Workshop participants helped contribute to the building of a 5-year roadmap to transform the national engineering curriculum across the United States. The below ideas surfaced at this hands-on, engaging event.

Action Agenda



What does success look like?

Inclusion of social and environmental sustainability as core tenets of engineering curriculum

Engineering for One Planet (EOP) champions at every higher education institution, at every level

Alignment and collaboration of multiple sectors, including but not limited to, academia, industry, philanthropy, and government

Increased diversity, equity, inclusion, and justice (DEIJ) in engineering programs for underrepresented and under-resourced populations



How will we reach our goals?

Take action today! Break up your overall goal into smaller steps and don't stop until you've achieved your objectives.



Today I will: _____



In 3 months, I will: _____



In 6 months, I will: _____



In 12 months, I will: _____

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What role can you play?



Academia

Students: Start or participate in a sustainability-focused engineering club on your campus. Voice your concerns and desire for more sustainability-focused courses and opportunities, such as internships at companies that care about sustainability.

Faculty: Share your best practices and challenges for how you are practically implementing student learning outcomes from the EOP Framework into your courses and at your institution.

Deans: Champion inclusion of environmental and social sustainability by supporting faculty change agents and advocating for sustainability in your core engineering curricula. Be an advocate for change amidst naysayers. Examine your current offerings and ensure DEIJ practices are enacted in your department.



Industry

Offer internships, mentorships, jobs, and other professional development opportunities for engineering students and graduates focused on sustainability. Provide scholarships to under-resourced and underrepresented students. Participate in advisory committees at your local university. Stand up for EOP ideals in your place of work.



Philanthropy

Financially support environmental and social sustainability curriculum updates. Provide thought leadership in your sector on why it is important to support the EOP initiative. Network and bring others to the table to continue to advance funding opportunities.



Government

Provide funding for environmental and social sustainability opportunities. Prioritize sustainability in educational regulations. Collaborate and participate in future EOP events.

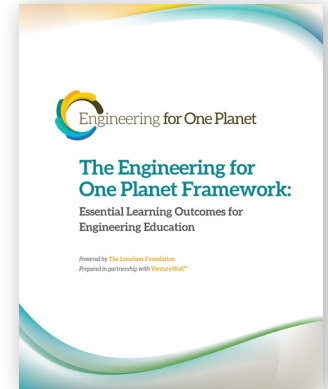
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What resources are available to you?

- [EOP Framework - Full Document \(PDF\)](#)
- [EOP Framework - Video Overview](#)
- [Expert-Recommended Resources](#)
- [Inventing Green Toolkits](#)
- [Tools for Design & Sustainability](#)
- [EOP Literature Review \(Report\)](#)
- [EOP Literature Review \(Video\)](#)



What does the timeline for the EOP initiative look like?

Today:

Create your personal action plan and complete step 1!

September/October, 2022:

Join a webinar to learn about the EOP Framework "How To" Guides

November, 2022:

Additional post-workshop resources are shared.

April, 2023:

5-Year Roadmap is published.



How will we evaluate impact?

- ▶ Gathering participant feedback via surveys and interviews, and integrating that feedback into the EOP Framework revisions and 5-Year Roadmap
- ▶ Leveraging workshop artifacts (slide decks, Slido comments and questions, Zoom chat) to understand impacts and gaps in knowledge
- ▶ Integrating emergent learning techniques with stakeholders to identify key takeaways and learnings