

THE "ALL OF THE ABOVE" PROBLEM

Confusion and Disempowerment Among Change-Seeking ESS Undergraduate Students

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1 The study

Students and faculty from Yale-NUS College conducted a multi-year survey of U.S. undergraduates enrolled in environmental studies and science (ESS) programs.

- ▶ 31 questions, 1200+ students, and 71 ESS programs randomly selected from a list of all U.S. programs compiled by the National Council of Science and Environment
- ▶ Assessed students' assumptions about social change and how they approach environmental problems
- ▶ Questions touched on topics ranging from the effectiveness of green consumption to the role of education, policies, value-change, and crises in driving environmental change

3 Undergraduates' voices

Confusion and disempowerment

"This was definitely an interesting topic to discuss. There were many initial, surface thoughts, that seemed more or less clean cut. But the more time I pondered, the more I realized how complicated the issue, methods, solutions, and enacting social change is. It's also really easy to say one thing, but then do another.

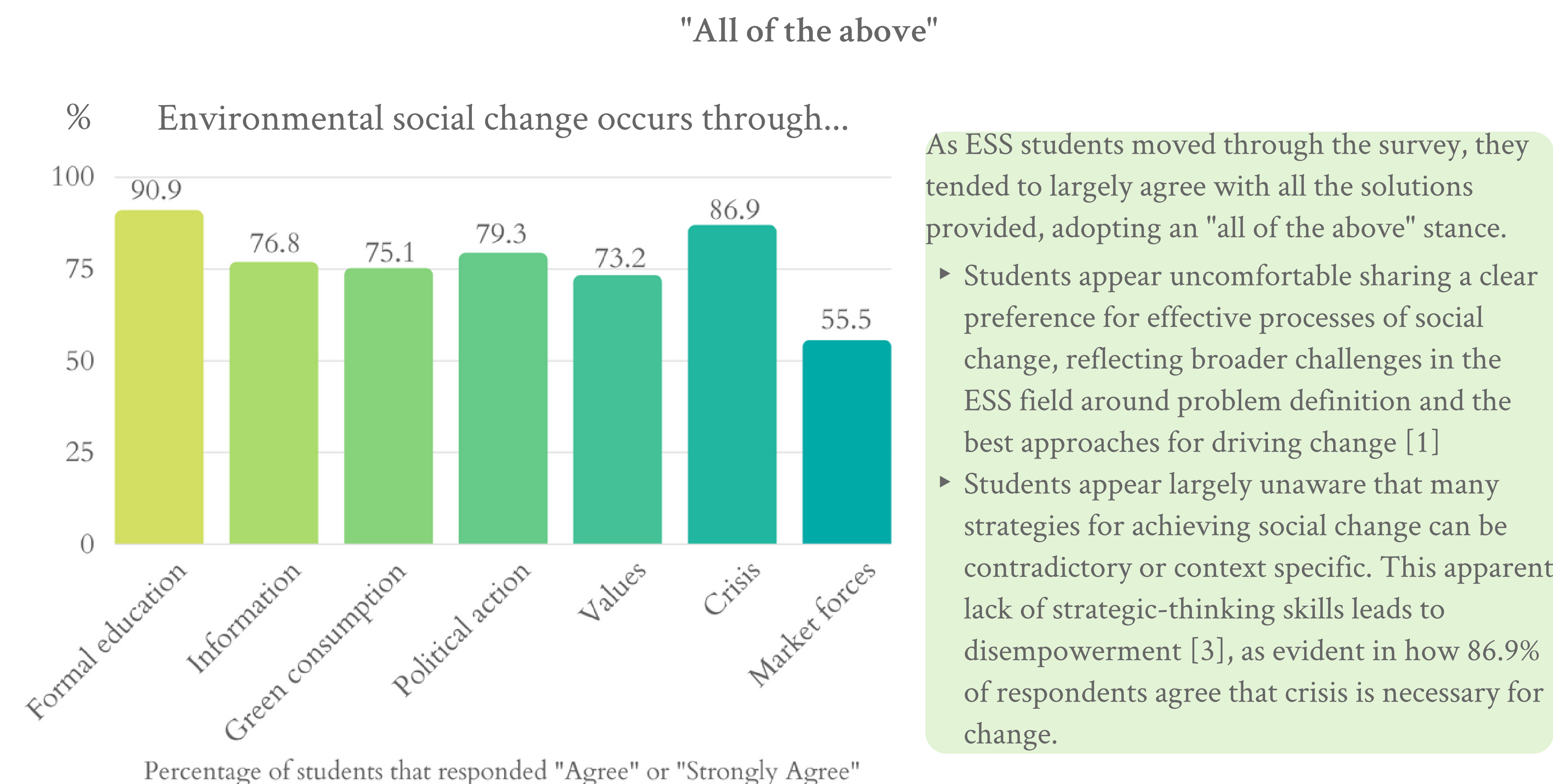
"It's hard to distinguish who will help us move toward a more sustainable, greener future. For the general populace, it can be difficult to get things done. Do we rely on corporations to move toward sustainable practices? Should we hope for the demise of oil and gas companies? Do we try and move politicians down an environmentally-conscious path? Do we need to spread awareness through media for significant change? It looks both bleak and hopeful. It's frustrating.

But also a handful of critical thinkers

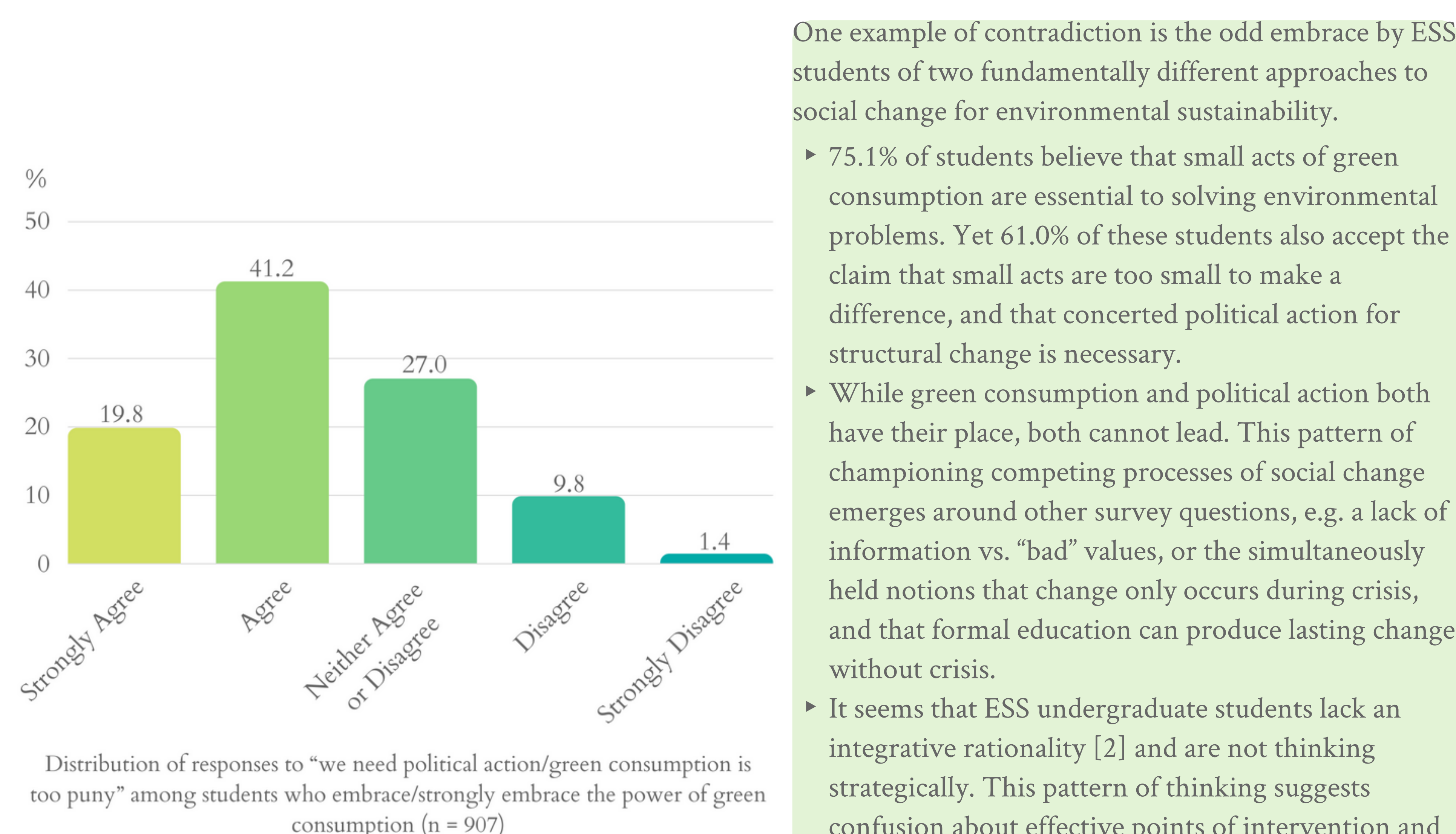
We cannot analyze "people" or "society". These categories are too broad. We need to focus on different sectors among society, and formulate the adequate strategies to empower or mitigate their lifestyles.

I think it is also important to think about the voices that are not heard in these types of rhetoric ... It is also important to think about the disconnects and connects at different scales, where a certain type of policy could work in a small scale setting such as the state and city level, but may encounter problems at the national and international level.

2 Surprising results



Students contradict themselves



4 Making sense of the data from an undergraduate perspective

As ESS undergraduates, we understand how students may be overwhelmed and compelled to agree with the solutions presented to us. We hypothesize that this confusion and disempowerment arises from a lack of integration between the disparate courses offered in the ESS curriculum.

- ▶ Courses under different professors typically celebrate different and sometimes contradictory understandings of key processes and drivers of social change (e.g. elite-driven policy change vs. public mobilization vs. technocratic and market solutions vs. cultural change through the arts and humanities)
- ▶ Students are introduced to each theory separately, and the theories make sense to us in the contexts in which they are taught. Students thus tend to agree with all of them.
- ▶ There is often little space in the current curriculum to integrate these competing perspectives, or understand when to apply them effectively
- ▶ Students are left to process and contextualize these ideas on their own [3]. Our results suggest that this crucial integration does not occur with sufficient power or effect.

5 A persistent problem

These challenges of integration, clarity, and student empowerment are not new, and appear to persist.

- ▶ In 1998, Soule and Press [4], among others, highlighted the dangers of "multi-disciplinary illiteracy" in ESS programs
- ▶ In 2011, scholars noted that ESS programs continued to be fragmented with ambiguous goals and poorly rationalized curricular, producing students with "trained incapacities" [1]
- ▶ Our results and experiences as undergraduate students reveal that an unexamined multiplicity of social change ideas result in confusion and disempowerment among change-seeking students. Rather than producing students with strategic problem-solving skills, ESS programs yield students who struggle to reconcile contradictory theories of social change.

References

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