

TG7: Societal and Environmental Impacts

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<https://snowmass21.org/community/impacts>

Welcome to CEF TG7!

- The newest topical group in all of Snowmass! “Examine the ways in which the US HEP program affects the environment and communities in which we do our work, and develop recommendations to improve our relationships in those areas.”
- Launched by CEF leaders during the summer:
 - After the deadline for letters of submission
 - While Snowmass was still paused
- Timing has made it challenging to get things started, so we welcome your participation!

Activities so far

- Spawned based on suggestions from the D&I topical group, with several topics recommended:
 - Sustainable practices to minimize detrimental effects on the environment
 - Building mutually beneficial partnerships with communities affected by our projects
 - Issues related to computational ethics
- Held a kick-off town hall on July 22 with presentations on these three topics — great discussion, limited attendance

White paper plans

- Currently planning on three white papers following those topics:
- “Impacts of Particle Physics laboratories on local communities” (ed: Mike Headley)
 - Will draw on expertise at SURF and other labs
 - Aiming for a workshop in late Oct/early Nov
- “Carbon emissions from large future energy frontier projects” (eds: Véronique Boisvert, Ken Bloom)
 - Planned deliverable: can we estimate the carbon impact of a facility being proposed within one of the other frontiers?
 - Aiming for a workshop on October 29, pending speaker availability.
- “AI and HEP: the Roles of Scientists in the ethical use of algorithms” (ed: Brian Nord, with Comp03)
 - Team already in place

Join us

- We are currently a bit longer on plans than people — it is not too late to get involved and have a significant impact in this area.
- With all due respect to the rest of Snowmass, topics in TG7 are literally matters of life and death. 😊
- The recommendations we make can have an impact on how we can carry out the science that we love in a just and sustainable way.