



1st Annual K12 Student Geoengineering Summit Press Release

The 1st Annual K12 Student Geoengineering Summit and demonstration of learning will take place on Friday April 25, 2025 at Indiana University's School of Education in Bloomington Indiana. This is the first-ever student-led summit on geoengineering (or climate engineering). Prior to the Summit, participating students were tasked by their teachers to iteratively develop informed-design solutions to address climate-related issues around the world. During the summit, students will have the opportunity to meet and learn from Indiana University climate scientists and graduate students. The culminating event of the summit will have the participating students present their solutions to Indiana University climate scientists as well as other K12 students. This exchange of knowledge will encompass the students' perspectives on the potential role of geoengineering to address climate change in Indiana and beyond.

The goals of the Summit include: (1) inspiring and motivating K-12 students, along with the teachers who support them, to engage in place-based learning, environmental education, and action-driven change by educating a generation on geoengineering; and (2) engendering student interests to pursue environmental science careers.

The K12 Student Geoengineering Summit was developed in partnership with faculty from Indiana University's Department of Earth and Atmospheric Sciences, School of Education, and Environmental Resilience Institute as well as teachers from Danville Middle School, Purdue Polytechnic High School, Cardinal Ritter High School, and Speedway High School. The Summit is funded by 2892 Miles to Go.

Partner information:

2892 Miles To Go is a place-based education program that facilitates collaboration between youth, educators, and leaders to co-create solutions to address environmental, social, and cultural issues impacting their communities. 2892 Miles to go is supported by *The National Geographic Society*.

IU Department of Earth and Atmospheric Sciences strives to understand the Earth's systems, processes, and history; to develop the next generation of geoscientists and informed citizens; and to motivate the university and society to address critical factors that will shape our planet's future, including utilization and availability of earth resources, mitigation of natural hazards, environmental preservation, and climate change. IU EAS aims to enhance our national and international reputation in research and expanding innovative graduate and undergraduate training for the state, the nation, and the world.

The IU School of Education is one of the world's premier programs for preparing tomorrow's teachers, educational leaders, curriculum designers, and educational scholars. Its mission is to improve teaching and learning in a global, diverse, rapidly changing and increasingly technological society. Throughout its history, the IU School of Education has supported local Indiana schools through numerous teacher professional development programs. These programs provide outreach activities that engage students through innovative research collaborations that positively impact student educational outcomes.

IU's Environmental Resilience Institute confronts environmental change through research, education, and community collaboration. This century, Indiana and the world will experience unparalleled environmental change that will threaten public health, species diversity, natural systems, and Hoosier communities. Working with partners throughout the state, the Environmental Resilience Institute is fostering Indiana's ability to withstand the wide-ranging impacts of climate change, including changes that affect the state's economy and health.