

# Georgia Tech Global Change Program



## CONTACT

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## SOCIAL

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## LOCATION



Kendeda Building for Innovative Sustainable Design. Slated to open in Fall, 2020, Georgia Tech's Living Building employs the world's most rigorous green-building certification standard, and will enhance education and research activities related to sustainability.

*"I'm thrilled to be a part of the Living Building team. I can think of no better home for the Global Change Program, and no better instrument for achieving our highest ambitions."*

*- Kim Cobb  
Director, Global Change Program*

***"...we will be leaders in influencing major technological, social, and policy decisions that address critical global challenges."***

***- Georgia Tech Strategic Plan***

## MISSION

- To equip Georgia Tech faculty, staff, and students to pursue solutions to urgent, inter-connected, and global-scale challenges such as climate change
- To strengthen partnerships across key units within Georgia Tech, and with off-campus partners, both public and private
- To create a campus-wide platform for showcasing and coordinating global change-related activities across academic units and research centers
- To position Georgia Tech as a leader in global change solution innovation, implementation, and communication

## EDUCATION

- Focus on hands-on, solutions-oriented experiences for students in and out of the classroom
- Develop a scaffold of undergraduate and graduate experiences that focus on transdisciplinary, real-world problem-solving in team environments

## RESEARCH

- Seed cross-college research projects with significant external funding potential
- Facilitate cross-college graduate research focused on creating solutions to global change challenges through undergraduate, graduate, and postdoctoral fellowships

### Research Centers as Key Partners:

Strategic Energy Institute  
Ray C. Anderson Center for Sustainable Business  
Brook Byers Institute for Sustainable Systems  
Climate and Energy Policy Laboratory

## PROJECTS

### Climate Change Fellows Program

Faculty and staff from all six GT colleges develop capacity around interdisciplinary research and teaching, and stay informed of near-term opportunities

### Carbon Reduction Challenge

Challenges student teams to develop projects for co-op and intern hosts that yield real-world reductions in carbon dioxide emissions, and energy cost savings

### Georgia Smart Communities Challenge

#### - Smart Sea Level Sensors

Joins Georgia Tech researchers in EAS, CEE, CS, CEISMC with community and governmental partners to deploy sea level sensors for emergency planning and response in Savannah, GA

### Georgia Climate Project

Georgia Tech, Emory University, and the University of Georgia funded to advance the state's capacity to address climate change impacts and advance solutions