



MIT's Climate Project is defining what resilient, equitable community life could be, weaving science, technology, policy, finance, and community insight into blueprints where climate action expands opportunity and strengthens well-being.

## The Climate Project at MIT

**Building the systems and communities that sustain well-being for people and the planet**

The world is entering a decisive era – one that demands new ways of imagining, building, and sustaining the systems that support human life. The Climate Project is MIT's bold response: a whole-Institute effort to design the resilient, low-carbon communities of tomorrow and the pathways to make them real.

Our approach begins with a transformative shift in perspective. The future will not be shaped by isolated innovations, but by the ways entire systems interact: energy, water, food, transportation, health, buildings, industry, and the digital world. By treating climate change as a systems challenge, we can build well-being at every level – local and global, human and planetary – and, in doing so, change the expected trajectory of our shared future.

Within a generation, we aim to decarbonize energy systems, ensure efficient movement of people and goods, manage climate interventions without unintended consequences, balance water availability across competing needs, secure sustainable food supplies, revitalize local production networks, and strengthen the built environment without increasing physical and social stresses.

MIT has always stepped forward when imagination and action were equally required. The Climate Project brings that spirit to the defining challenge and opportunity of our time: building communities where people can thrive, not just endure, in a rapidly changing world.

Above: The Climate Project seeks to build well-being by treating climate change as a challenge of intersecting systems.

## SCIENCE AND SOLUTIONS FOR LIFE IN A CHANGING WORLD

The Climate Project at MIT is a whole-Institute effort to accelerate climate progress through systems thinking, real-world partnerships, and integrated solutions that can be deployed at scale. Three interconnected components – faculty leadership, Frontier Projects, and Climate HQ – anchor this work.

### Faculty Leadership Across MIT

Faculty from departments across MIT helped launch the Climate Project and continue to guide its evolution. Their role is to identify crosscutting opportunities, clarify where new approaches are needed, and help define strategies that translate MIT's strengths into meaningful outcomes. By working across traditional boundaries, they enable solutions grounded in science, informed by community needs, and shaped for deployment.

### Frontier Projects

Frontier Projects are high-ambition, multidisciplinary efforts that target challenges where making progress would unlock new and transformative pathways. These projects combine engineering, science, policy, community collaboration, and innovative financial and governance models. From resilient coastal communities and sustainable ports to the data centers of the future, revolutionary approaches to agriculture, and next-generation industrial systems, Frontier Projects prototype, test, and evaluate solutions in real-world settings – with clear milestones and accountability to accelerate impact.

### Climate HQ

Climate HQ serves as the operational and strategic hub of the Climate Project. It connects research to deployment, coordinates partnerships with communities and industry, and strengthens shared infrastructure that enables interdisciplinary work. Climate HQ also advances climate education, supporting students and educators across MIT and leading the Institute's public engagement efforts – including the Climate Portal, Climate Primer, and TILclimate podcast.

### Working with Partners

The Climate Project is built on collaboration. MIT works across government, industry, academia, philanthropy, finance, startups, and other sectors to test ideas, refine solutions, and bring proven approaches to scale.

**Join us.** We invite partners committed to building resilient, low-carbon, thriving communities to join MIT in shaping the future – one where climate action expands opportunity and strengthens well-being for people everywhere.



**“We must find new ways to work together, and to work with other sectors and institutions, to achieve even more – much more.”**

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**President Sally Kornbluth**  
*Inaugural Address, May 2023*



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