

A photograph of the MIT dome building, a large neoclassical structure with a prominent dome and a series of tall columns. The building is set against a clear blue sky. In the foreground, a person is sitting on a green lawn, and the branches of a large tree are visible on the right side of the frame. The text "MIT Office of Sustainability Annual Report to the President FY2018" is overlaid on the lower right portion of the image.

# MIT Office of Sustainability Annual Report to the President FY2018



Office of Sustainability





# MIT Office of Sustainability

## FY2018 Annual Report to the President

### Introduction

The MIT Office of Sustainability (MITOS) continues to build a campus sustainability model that both advances the mission of academic excellence at MIT and seeks to transform the campus itself into an active demonstration of the Institute's ability to address the world's great challenges.

Highlights of FY2018 include: the launch of the first of its kind Sustainability Data Pool; deeper analysis and understanding of the impact of climate change on the MIT campus, in partnership with the City of Cambridge; an 8 percent reduction in employee parking transactions following the launch of Access MIT in 2016; a reduction of 9 percent in greenhouse gas emissions; the launch of a Food and Sustainability Working Group that brings together campus stakeholders from dining to anthropology; and the release and endorsement of the Pathway to Sustainability Leadership framework by the Campus Sustainability Task Force.

MITOS staff continued to engage in campus, city, regional and global networks as committee participants, leaders, advisors and presenters. We continue to seek thoughtful partners from which to learn and co-create innovative strategies to solve for sustainability at the campus, city and global scale.

This report is organized around the four focus areas of MITOS and details major accomplishments over the year:

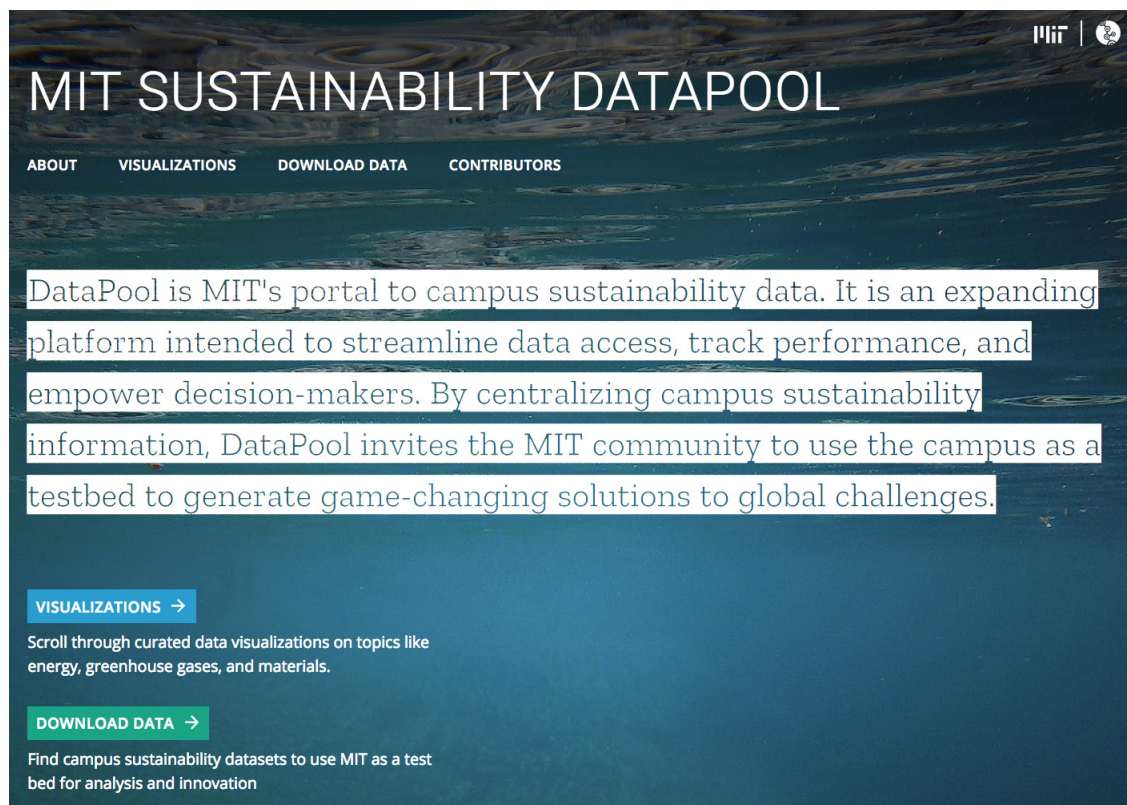
- Planning for and managing **sustainable campus systems**
- **Building leadership and capacity** of the MIT Community
- **Transformation the campus** into a living laboratory and test bed
- Forging **collaborative partnerships**

## Planning for and managing sustainable campus systems

In 2017-2018, MITOS continued to work collaboratively across operational and academic departments to actualize MIT's commitment to develop and manage a sustainable campus.

### Introducing the Sustainability Data Pool web portal

In Spring 2018, MITOS launched the [Sustainability Data Pool website](#), which serves as MIT's central portal to campus sustainability data and analyses powered by the MIT Data Hub. The Data Hub is a big data infrastructure developed by the IS&T Data Science team that enables departments to collect, store, and analyze information using industry-leading tools and techniques. The Sustainability Data Pool now provides a single point-of-entry to sustainability performance dashboards for the MIT community, such as "Energize\_MIT," which details MIT's energy use and carbon emissions, and "Material Matters," which details recycling and solid waste materials collected and removed from campus. MIT users can view and download campus data, which enables the community to use the campus as a testbed to generate data-driven solutions in hackathons, classes, research projects, and more.



The Sustainability Data Pool website launched in 2018 at [datapool.mit.edu](http://datapool.mit.edu). Credit: MITOS

## Assessing the sustainability of our campus

MITOS completed a holistic sustainability performance assessment in FY2018 on behalf of the Institute. To conduct the assessment, MITOS sourced approximately 1,400 data points from more than 55 individuals across 36 departments, labs, and centers. FY2017 served as the performance year for the assessment. The project culminated in a final report and presentation at the annual Sustainability Connect conference. The completion of the assessment enabled MIT to:

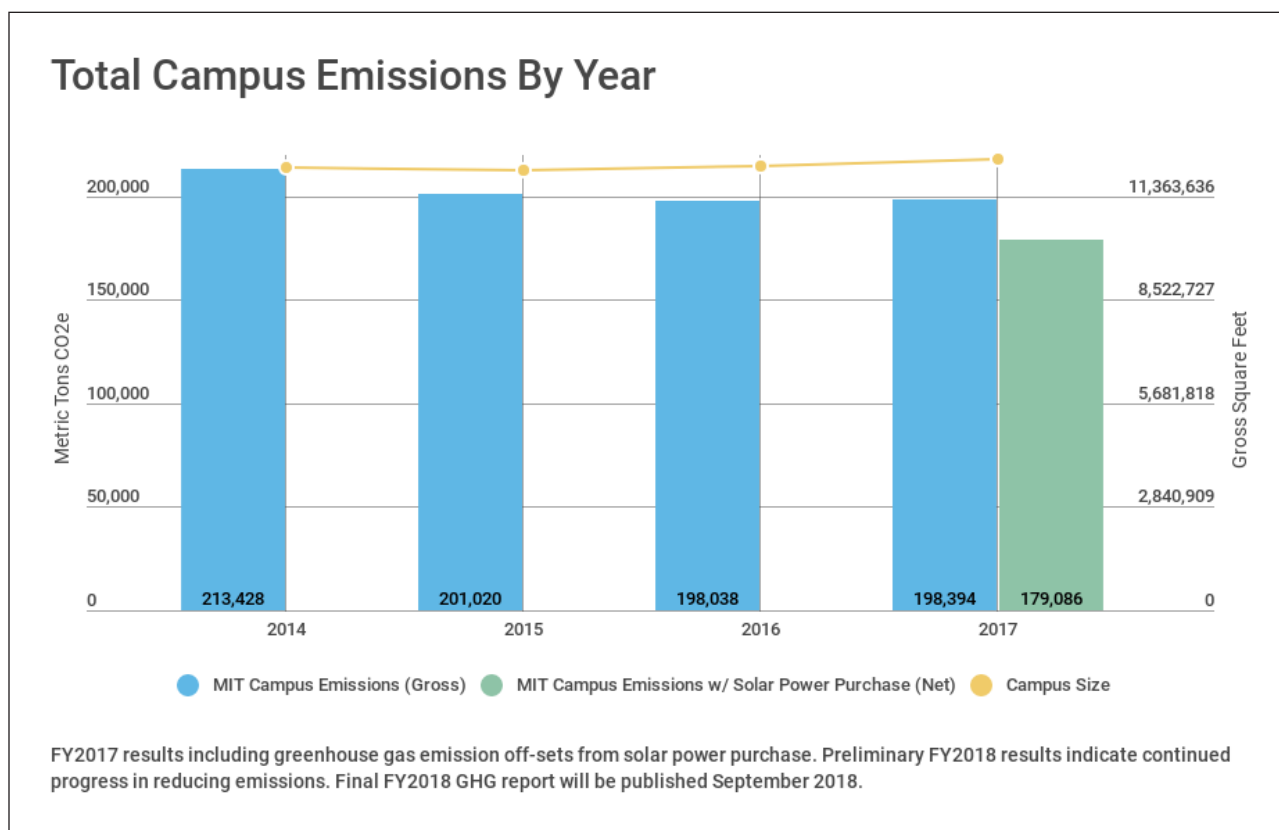
- Establish sustainability performance baselines;
- Engage and strengthen the network of MIT professionals working in sustainability related areas.
- Identify sustainability achievements and opportunities for growth;
- Understand how MIT's performance compares to peer institutions.

The breadth and depth of the information captured in the process will help the Institute document its sustainability journey, identify strengths and weaknesses, and contextualize future performance.

## Climate action: Greenhouse gas mitigation

MITOS continued to help lead the implementation of MIT's campus commitments outlined in MIT's [Plan for Action on Climate Change](#) over the course of FY2018. In October 2017, MITOS and the Department of Facilities published MIT's FY2017 greenhouse gas inventory that outlined MIT's progress in advancing the goal to reduce campus greenhouse gas emissions by at least 32 percent by 2030 from a 2014 baseline. The inventory showed that MIT reduced its greenhouse gas emissions by 9 percent from FY2016 levels and by 16 percent from the 2014 baseline year – half of the minimum reduction called for. The reduction was primarily due to MIT's solar power purchase agreement, described in more detail further into this report.

Without accounting for the solar energy purchase, MIT's total greenhouse gas emissions in 2017 were flat compared to 2016 levels. Preliminary results from our GHG mitigation program through FY2018 show continued progress towards meeting our reduction goals and the FY2018 GHG final report will be published in the first quarter of FY2019.



FY2017 results including greenhouse gas emission off-sets from solar power purchase. Preliminary FY2018 results indicate continued progress in reducing emissions. Final FY2018 GHG report will be published September 2018.

## Climate action: Campus and community resiliency

MITOS is continuing to work collaboratively with partners across operational, academic, and city networks to address the risks of climate change and their anticipated impacts on the campus and community. The Climate Resiliency Committee (CRC) -- led by MITOS, the Office of Emergency Management, and the Department of Facilities -- made significant progress in FY2018 to assess risks such as flooding, extreme precipitation, heat events, and rising sea levels. The committee laid the groundwork for a phase two of the MIT Flood Vulnerability Study, in partnership with researchers from the Joint Program on the Science and Policy of Global Change, and completed a climate stress test of vulnerable utility, building, site, and community systems.

## Layers of Resilience



### COMMUNITY

**23,000+** people

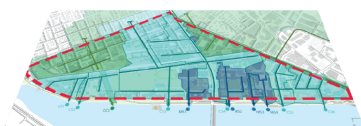
*A healthy, resilient, and prepared community fulfills MIT's mission*



### BUILDINGS

**140+** buildings

*Where research, education, and knowledge transfer happen*



### UTILITIES

**15+** utilities

*Protecting vital infrastructure (i.e. steam, electric, water, etc.)*



### SITE

**168+** acres

*Capacity of soil and trees to absorb floodwater and mitigate heat*

To understand and plan for resiliency, we view the MIT campus as four integrated layers of resilience.  
Credit: MITOS

Throughout the year, MITOS teamed up with partners such as the MIT PKG Public Service Center and Terrascope, a first-year learning community, to engage students in hands-on climate resiliency learning during their spring break and as part of their courses.

Beyond the campus, MITOS and the Office of Emergency Management engaged with the Cambridge Compact for a Sustainable Future to host a citywide “tabletop” exercise that engaged representatives from Cambridge institutions in identifying collective actions that can jointly mitigate climate risks to research and business continuity. MIT has also partnered with the City of Cambridge to present the joint case of campus/city climate resiliency planning around the region to demonstrate the importance of a university-city model for resiliency planning.

## MIT's solar power purchase agreement

In 2018, MIT has been able to account more fully for the impact of the large Summit Farm solar energy purchase announced in 2016. This is a unique collaboration with Boston Medical Center and Post Office Square Redevelopment Corporation. The three entities united to buy electricity from a new solar power installation in North Carolina through a power purchase agreement, which enabled the construction of Summit Farms, a 650-acre, 60-megawatt solar farm in North Carolina. The emissions-free power it generates every year represents an annual abatement of carbon dioxide emissions equivalent to removing more than 25,000 cars from the road.

Boston Mayor Martin Walsh recently announced that his city will undertake a similar but much larger effort to purchase solar energy in conjunction with cities across the U.S., including Chicago, Houston, Los Angeles, Orlando, and Portland, Oregon. At the time of this announcement, Walsh called upon more cities to join in this collective renewable energy initiative. In describing the agreement, Boston officials said the effort is modeled on MIT's effort.

MIT can now access real-time data on energy, emissions avoidance, and financial performance and can evaluate the real-world impacts of our project. These findings will influence our thinking going forward. We are considering such questions as how can MIT continue to amplify our efforts? How can we shape our energy impact in the world, and what is the best way to pursue our interest in collectively transforming the energy market? We are continuously broadening our clean energy knowledge base, from multidimensional carbon-accounting frameworks to the exploration of new technologies.

## Flexible mobility and parking demand reduction

MIT launched the Access MIT program in the fall of 2016 with the initial goal of reducing parking demand on campus by 10 percent in two years through new commuting incentives and a shift from annual to daily parking fees for employees. In FY2018, MIT reported on its progress toward meeting this goal, backed by research and analysis conducted by the MIT Transit Lab.

The Transit Lab examined a variety of metrics based on parking activity on campus between September 2016 and September 2017 – the first full year of Access MIT. The researchers found that employee parking transactions had decreased by 8 percent compared with the previous year and that there was a net reduction in parking frequency of 9 percent, down to an average of just 1.2 days per week among all employees. Additionally, estimated peak lot utilization dropped by 3 percent in gated lots. The research also showed that the number



of employees using MBTA bus or subway services on a regular basis (at least 2 work days per week) increased 24 percent.

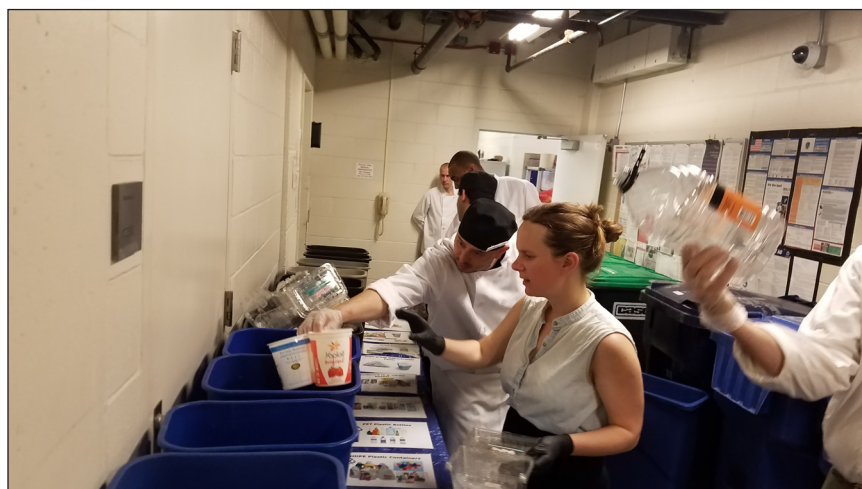
Efforts in FY2018 also focused on ensuring that more parking lots at MIT can shift to a daily parking fee system in the future, rather than require annual permits. Daily parking provides MIT commuters with more flexibility to choose how they commute throughout the week.

## Managing materials sustainably

MITOS has led the development of a data-driven materials flow analysis of campus procurement and waste generation through partnerships with the Office of Procurement and Sourcing; Office of Recycling and Materials Management; and a doctoral dissertation in the Institute for Data, Systems and Society.

Together, MITOS and the Office of Procurement and Sourcing made MIT a member of the Sustainable Purchasing Leadership Council (SPLC), a non-profit organization with 180 member institutions representing \$300 billion in collective spend, in order to bring best-in-class practices into the design and implementation of a sustainable purchasing program for MIT.

In addition to creating the [Material Matters](#) dashboard referenced in the Sustainability Data Pool section above, MITOS also completed waste audits of five different facilities across campus, to develop a better understand of the composition of waste collection from dorms, dining halls, offices and classroom facilities. This aggregate data of both campus volumes and waste behaviors provides an understanding of impacts from MIT's material flows and prioritizes the types of waste reduction strategies that can be most impactful.



MITOS staff and fellows worked with Simmons Hall dining staff to conduct a waste audit.  
Credit: MITOS

## Sustainability and the MIT food system

In October 2017, MITOS, with the support of the Executive Vice President and Treasurer's Office and the Division of Student Life, launched a working group to explore the cultural, administrative, and environmental dimensions of the MIT food system and recommend strategies for integrating sustainability. Membership included representatives from offices across campus including: Anthropology, Dining, Capital Construction, MIT Sandbox, the Media Lab and more. The working group is preparing its final set of recommendation in the summer of 2018, focusing on issues such as building community and mindful eating through the design of food spaces, procurement of sustainable food, and the reduction of food waste.

During the spring of 2018, MITOS also participated on a committee of students, faculty heads of house, and staff from the Division of Student Life to recommend a contractor to manage house dining, retail dining, and catering operations at MIT, ultimately selecting Bon Appétit and Restaurant Associates to take on the new, expanded contract. Sustainability criteria were a key component of the selection process and MITOS will continue to work with the vendors under the new contract terms to meet sustainability goals.

## Building leadership and capacity of the MIT community

The MITOS strategy seeks to build leadership and internal capacity of the campus community to solve complex problems and meet the Institute's sustainability objectives.

### Pathway to Sustainability Leadership at MIT: Incubation, Transformation and Mobilization

In October of 2017, the Campus Sustainability Task Force published a report outlining a vision and plan of action for campus sustainability at MIT: [Pathway to Sustainability by MIT: Incubation, Transformation, and Mobilization](#). Following a three-month open comment period, a final draft of the report was endorsed and distributed to the MIT community.

The document outlines the five elements of a pathway by which MIT will now formalize and build upon current efforts to address the challenges posed by sustainability and become a leader in this crucial arena. The Pathway to Sustainability Leadership calls upon MIT to become:

- An exemplar that incorporates sustainability considerations into campus infrastructure, operations, student life, and daily decisions;
- A model of organizational transformation for sustainability leadership;
- A generator of meaningful new sustainability ideas and research, building on our history and current capacity for contributing solutions toward vital global needs and priorities;
- An innovator of deep educational experiences for the diverse communities on campus and beyond;
- A thoughtful partner to the local and global communities in which we operate, a clearing-house of good ideas, and a mobilizer of actors who can implement sustainability solutions.

MIT now seeks to leverage this vision and act boldly to advance the Pathway to Sustainability Leadership and become an organizational standard-bearer for a sustainable future. The Task Force invited the MIT community to attend a campus-wide implementation design forum in June 2018 which brought together more than 100 people. The implementation plan will be released in the fall of 2018.



## Coming together for the fourth annual MIT Sustainability Connect

**Sustainability Connect**, organized by MITOS every year, provides an opportunity for MIT community members working on sustainability issues across campus to come together around a cross-cutting theme, celebrate accomplishments, and engage in collective brainstorming. The event furthers MITOS' mission to transform MIT into a powerful model that generates new ways of responding to the challenges of a changing planet, starting by using our own campus as a testbed.

In May of 2018, over 80 faculty, staff, and students convened for the fourth annual Sustainability Connect to discuss the year's theme: "Imagine. Incubate. Impact." The event opened with a keynote from Joi Ito, director of the MIT Media Lab and concluded with three workshops tracks designed to gather input into campus-wide discussions of water management, food and sustainability, and the implementation of the Pathway to Sustainability Leadership report.



MITOS project manager Brian Goldberg moderates a panel at Sustainability Connect with Christina Lo (Strategic Sourcing and Contracts), Kate Trimble, (PKG Public Service Center), and Amanda Graham (Environmental Solutions Initiative). Credit: Ken Richardson

## Learning about sustainability over lunch

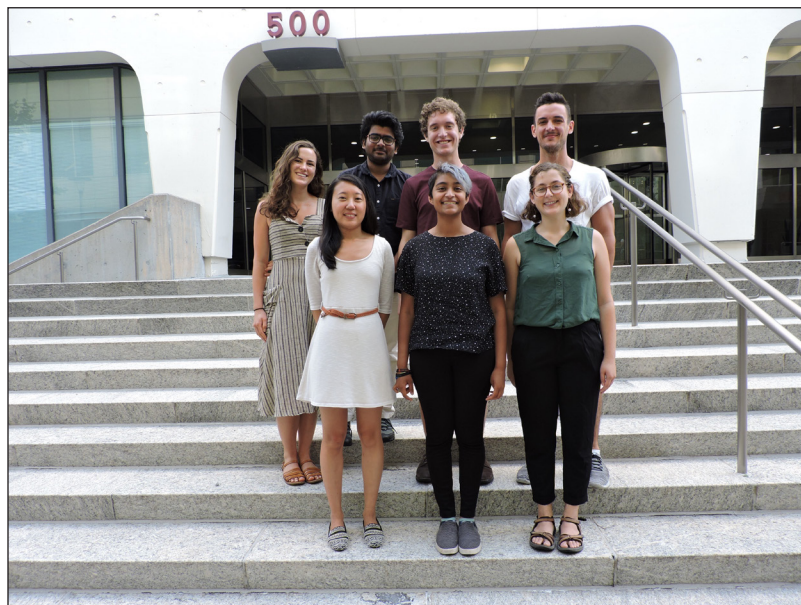
Over the course of 2017-2018, MITOS designed and hosted eight Sustainability Lunch and Learns as a means for building community and sharing new knowledge and ideas amongst MIT administrative partners. Topics included: visualizing campus energy data, the MIT stormwater plan, sustainable materials management, high performance building design, and the Sustainability Data Pool. Audiences at each Lunch and Learn ranged from 60-75 people.

## Working Green Committee

MITOS' senior administrative assistant co-chairs the MIT Working Green Committee (WGC), a subcommittee of the Working Group on Support Staff Issues. Efforts include identifying and addressing gaps in staff understanding about recycling as well as gaps in recycling resources and creating ways to increase recycling at MIT. This year the WGC worked with the Office of Sustainability to host a sustainable purchasing practices discussion with MIT's representatives from Staples. About 20 MIT staff and support staff attended during IAP to learn about sustainable options and alternatives to purchasing office supplies for their departments, labs and centers. The WGC also hosted a lunch time field trip to the MIT furniture warehouse and Furniture Exchange to educate support staff on furniture reuse opportunities on campus and on ways to interact with the MIT Property Office.

## Sustainability fellowship program for students

MITOS administers a student fellowship program during the academic year and summer term, in which students develop meaningful work to advance a sustainable campus at MIT and to build their professional experience in institutional transformation. In 2017-2018, 16 undergraduate and graduate students from a range of MIT departments held positions in the office such as "Analytics and Visualization Fellow," "Sustainable Procurement Fellow," and "Communications, Design, and Digital Strategy Fellow." During the summer, MITOS opens its fellowship program to students at peer institutions to encourage a cross-pollination of student ideas and skills.



MITOS student fellows work full-time during the summer on projects ranging from sustainable procurement to urban gardening. Credit: MITOS

## Transforming the campus into a living laboratory and test bed

A living laboratory exemplifies learning-through-practice – a tenet of MIT – by opening the doors of the campus to students and faculty to explore, experiment, and develop solutions in a real-world laboratory. MITOS supports living lab projects that bring staff, faculty, and students together around sustainability issues ranging from solving for carbon neutrality at the campus level to evaluating the benefits of recycling laboratory gloves.

### 11.S938 / 2.S999 Solving for Carbon Neutrality at MIT

As referenced in the greenhouse gas mitigation update above, MIT is working toward developing solutions to reduce its campus emissions by at least **32 percent by 2030** and aspires toward achieving carbon neutrality as soon as possible. To tackle the carbon neutrality challenge in true MIT fashion, Julie Newman, Director of Sustainability, and Tim Gutowski, Professor of Mechanical Engineering, teamed up to offer a new class in spring 2018: Solving for Carbon Neutrality. Their approach to the class included five major themes of the carbon conversation: technical services, buildings, outside services, policy and behavior, and accounting. Classes included a host of guest speakers from different facets of the action plan, and a final project asking students to propose their own plan to reach carbon neutrality by 2080 at MIT.

### Sustainability Incubator Fund

Thanks to a generous donor interested in leveraging the campus as a test bed, the first of its kind **Campus Sustainability Incubator Fund** at MIT with the oversight of a faculty committee representing the five schools. Until the fund expires, the Campus Sustainability Incubator Fund is designed to annually support ground-breaking research, prototyping and application that seeks to solve our most pressing global challenges at the community level. Projects at this scale are designed to demonstrate modularity and connectivity as a manner by which to scale up.

In year one, three research projects were funded that cut across issues of energy, water, material life cycles, and building design and construction. At the Sustainability Connect Conference in May 2018, updates on each project were provided by award recipients: Jeremy Gregory, Executive Director, Concrete Sustainability Hub; Randa Ghattas, Sustainability Project Manager, Campus Construction; and Kripa Varanasi, Associate Professor, Mechanical Engineering.



## Course support

MITOS continues to provide course support for instructors across academic and research units. By supporting experiential learning, students have the opportunity to grapple with real world risks and opportunities also found on the MIT campus. In FY2018, MITOS engagement included collaborations with the Terrascope Freshman Learning Community, Solving Complex Problems course, and a graduate level course on Stormwater, Trees and Sustainability on the campus. In each of these courses, MITOS staff managed and supported the interaction with the campus.

In the case of the Terrascope course, students applied their observations and reflections to create resiliency plans for the MIT Campus and the City of Bangladesh as part of the academic requirements for the course. Using the MIT campus as a test bed, students were given access to emerging research, targeted flood mapping data and several dozen operational experts, sustainability practitioners, campus planners, landscape architects and external partners from the City of Cambridge as part of the learning experiences.



Jennine Talbot, senior planner in Campus Construction, led a Utility Tour for Terrascope students which included stops within the underground tunnels on the MIT Campus. She discussed distribution networks, interdependencies and the difference between utility and building systems. Credit: MITOS

## Campus engagement

During the 2017-18 academic year, MITOS collaborated with several dozen researchers, post-docs, scientists, operational experts, students, staff and faculty in support of the mission to engage the community with campus-based research and leveraging the campus as a living lab for sustainability. Highlights included:

- A collaboration with MITOS, IS&T, the Recycling and Materials Management Office, and the Graduate Student Council's Sustainability Subcommittee to develop a new online training module for students and staff called "Responsible Waste and Disposal Practices;"
- A partnership with the MIT Energy Initiative that engaged incoming freshmen utilizing an augmented reality software platform to make a location-based mobile game that takes place in the real world. The game introduced 36 incoming students, resident advisors and volunteers to dynamic hands-on research that focuses on the campus as a test bed at MIT;
- Active engagement with the PKG Center including a series of educational campus tours designed to introduce students to emerging frameworks for climate resiliency at MIT, as well as expose students to career opportunities in sustainability-related fields, and small group discussions with operational experts;
- The second annual Sustainability LAB-O-RAMA, a gathering of academic and operational partners designed to provide a place to tell the stories of living lab research, to show recent findings and technologies, and to make connections for existing or new work. This year's event included the work of 21 research teams exploring the MIT campus as a test bed for innovation.

## Forging collaborative partnerships across the campus, the city and the globe

MITOS works strategically to build collaborative partnerships within and outside of MIT to harness the collective intelligence of communities to solve shared problems. Below are a number of accomplishments that demonstrate MITOS' collaborative partnerships with campus, city, and global partners.

### Campus connections

MIT is actively engaged in the Ivy Plus Sustainability Consortium. This collaborative effort is comprised of sustainability staff from 14 schools to advance a collective agenda of sharing best practices, advancing the state of the art in campus sustainability management, and leveraging our impact to advance the core research and teaching missions of its institutions. In FY2018, the Consortium initiated a new project working directly with the executive vice presidents of peer institutions through their "Listening Post" consortium. MITOS staff co-chaired the launch of this Listening Post Initiative and actively participates in the Ivy Plus consortium data sharing work group.

In October of 2017, MITOS project managers presented two sessions at the Association for the Advancement of Sustainability in Higher Education (AASHE) annual conference in San Antonio, Texas on mobility and climate action, titled: "Nudging commuters, big data and bold partnerships: A research-based approach to impacting commuter mode choice at MIT" and "Riverbank Climate Collaboration: How MIT and BU are preparing for Climate Change from Both Sides of the River." The conference draws over 2,000 participants from campuses across North America to exchange effective models, policies, research, collaborations and transformative actions that advance sustainability in higher education and surrounding communities.



## City partnerships

MITOS staff serve on a number of Cambridge and Boston committees as a means of aligning strategies, exchanging ideas, and creating greater impact with our city partners. Committees with active MITOS participation include:

- [Cambridge Campus Compact for a Sustainable Future](#)
- Cambridge Climate Protection Action Committee
- Kendall Square Ecodistrict
- Cambridge Recycling Advisory Committee
- Boston Green Ribbon Commission
- [Envision Cambridge](#)

Notably, MITOS continued to help lead the collaborative [Cambridge Compact for a Sustainable Future](#) with a position on the Board of Directors and Executive Committee, actively working with the MIT Office of Government and Community Relations to strengthen the partnership and implement the Compact's [Strategic Plan](#). This past year, the Compact organized several events and activities to share ideas and best practices, identify opportunities for collaboration on renewable energy purchase and storage and create one of the first city-academic-industry collaborations to assess net zero lab feasibility.

MITOS also continued to support Executive Vice President and Treasurer Israel Ruiz as a member of the [Boston Green Ribbon Commission](#). MITOS project manager Steven Lanou continued to participate in the Commission's [Higher Education Working Group](#) to bring to bear potential climate solutions from the area's colleges and universities that could be applied to advance Boston's climate action plan. Priority areas in FY2018 included accelerating change through thought leadership and transparency; convening the community on key priorities; and informing action with science and research.

## Global networks

To ensure MITOS' work stays connected to global challenges, MITOS prioritizes its involvement with international networks of peer institutions, including the [International Sustainable Campus Network](#) (ISCN), for which MITOS director, Julie Newman is a founding member. The ISCN is in its twelfth year and provides a global forum to support leading colleges, universities, and corporate campuses in the exchange of information, ideas, and best practices for achieving sustainable campus operations and integrating sustainability in research and teaching. MIT is now represented on the Advisory Committee and holds a chair position for Working Group 3: Integration of Teaching, Research and Facilities with a focus on seeking common solutions for living labs at the global level. MITOS hosts visitors from universities around the world interested in our sustainability efforts and vision throughout the year.



The International Sustainable Campus Network is a non-profit association of over 80 globally leading colleges and universities representing over 30 countries, working together to holistically integrate sustainability into campus operations, research and teaching. Credit: ISCN

## Conclusion

At the Office of Sustainability, we recognize that the time has come to explore how to scale and accelerate progress in a manner that:

- enables measured outcomes & impacts;
- demonstrates a robust model of campus and urban-based research and;
- informs our process of organizational transformation for sustainability and scalable solutions for sustainable development.

Moreover, MIT is now positioned to solve for sustainability at the levels of the campus, the city and the globe while tapping into some of our most global thinkers to inform our analysis and our solutions. Given MIT's mission to best serve the nation and the world, the work of the Office is meant to impact people and systems at all levels, from individual, to campus, to city, to globe. We have consistently found great excitement and uptake of our unique framing to solve for sustainability across scales.

In FY2019, MITOS is forging ahead with ensuring continued success with the work that was seeded in FY2018 and previous years, while informing a new vision looking ahead. MITOS will continue to seek collective engagement and action on priority areas that include:

- Climate change, forging ahead with strategies for mitigation, adaptation and resiliency;
- Materials management, measuring, analyzing and eventually managing the impact of the Institute's purchasing and waste systems in a manner that takes the full lifecycle costs and impacts of materials and products into consideration;
- Water, seeking a comprehensive understanding of our water use patterns in an effort to reduce overall demand and consumption across campus;
- Sustainable transportation, broadening and deepening MIT's commitment and robust participation in Access MIT;
- Data collection and analysis, launching the centralized sustainability data hub to inform and learn from our decision-making processes and institutional impacts;
- Food and culture, exploring ways to connect food choices to community health, sustainable agriculture and climate change;
- Sustainable design & construction, continuing to ensure that we have access to the knowledge and processes needed to enable our campus growth while minimizing our impacts;
- Living lab, leveraging the campus as a test bed for research, innovation and teaching that lead to improve understanding of the systems at hand and deeply informed decision making.



## MIT Sustainability in the news

Exploring the impact of campus sustainability efforts (5/23/17)

<http://news.mit.edu/2018/mit-sustainability-connect-impact-of-campus-sustainability-efforts-0523>

Institute on track to meet campus climate action goals (11/21/17)

<http://news.mit.edu/2017/institute-meet-campus-climate-greenhouse-gas-reduction-goals-1121>

Energy and ideas at Collaborating for MIT's Future (8/24/17)

<http://news.mit.edu/2017/energy-and-ideas-at-collaborating-for-mit-future-event-1024>

Putting the freeze on lab energy waste (8/9/17)

<http://news.mit.edu/2017/putting-the-freeze-on-lab-energy-waste-0809>

Infinite Cooling wins Cleantech University Prize competition (8/8/17)

<http://news.mit.edu/2017/infinite-cooling-wins-cleantech-university-prize-0808>

New fund makes MIT a living sustainability lab (7/21/17)

<http://news.mit.edu/2017/mit-new-fund-allows-sustainability-researchers-use-campus-living-lab-0721>

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Office of Sustainability