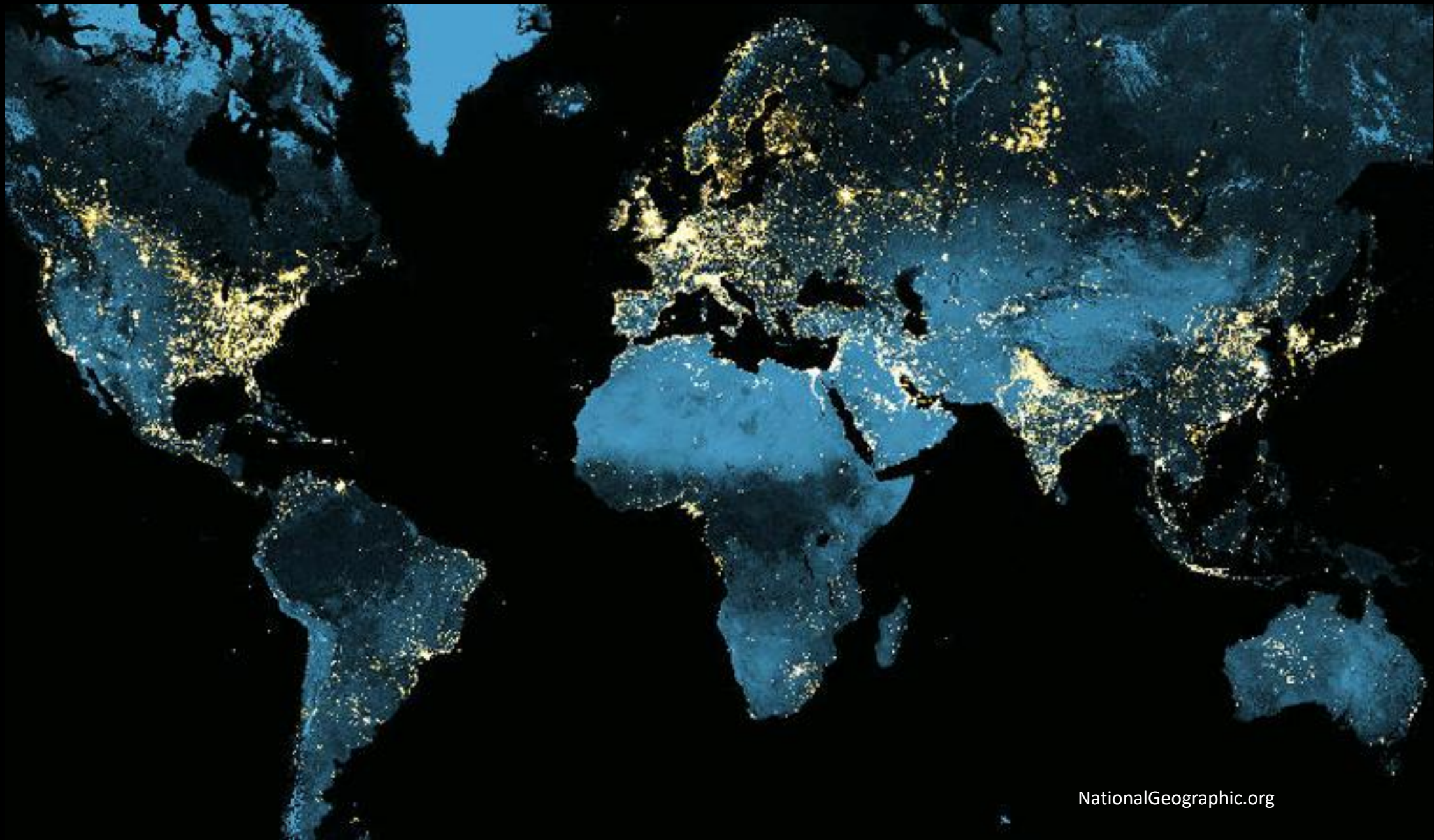


MIT Climate Action Plan: Highlights from the Past Three Years

MIT Energy Initiative
External Advisory Board Meeting
October 25, 2018

Maria T. Zuber
E. A. Griswold Professor of Geophysics
Vice President for Research, MIT



Global Warming of 1.5°C

An IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty.

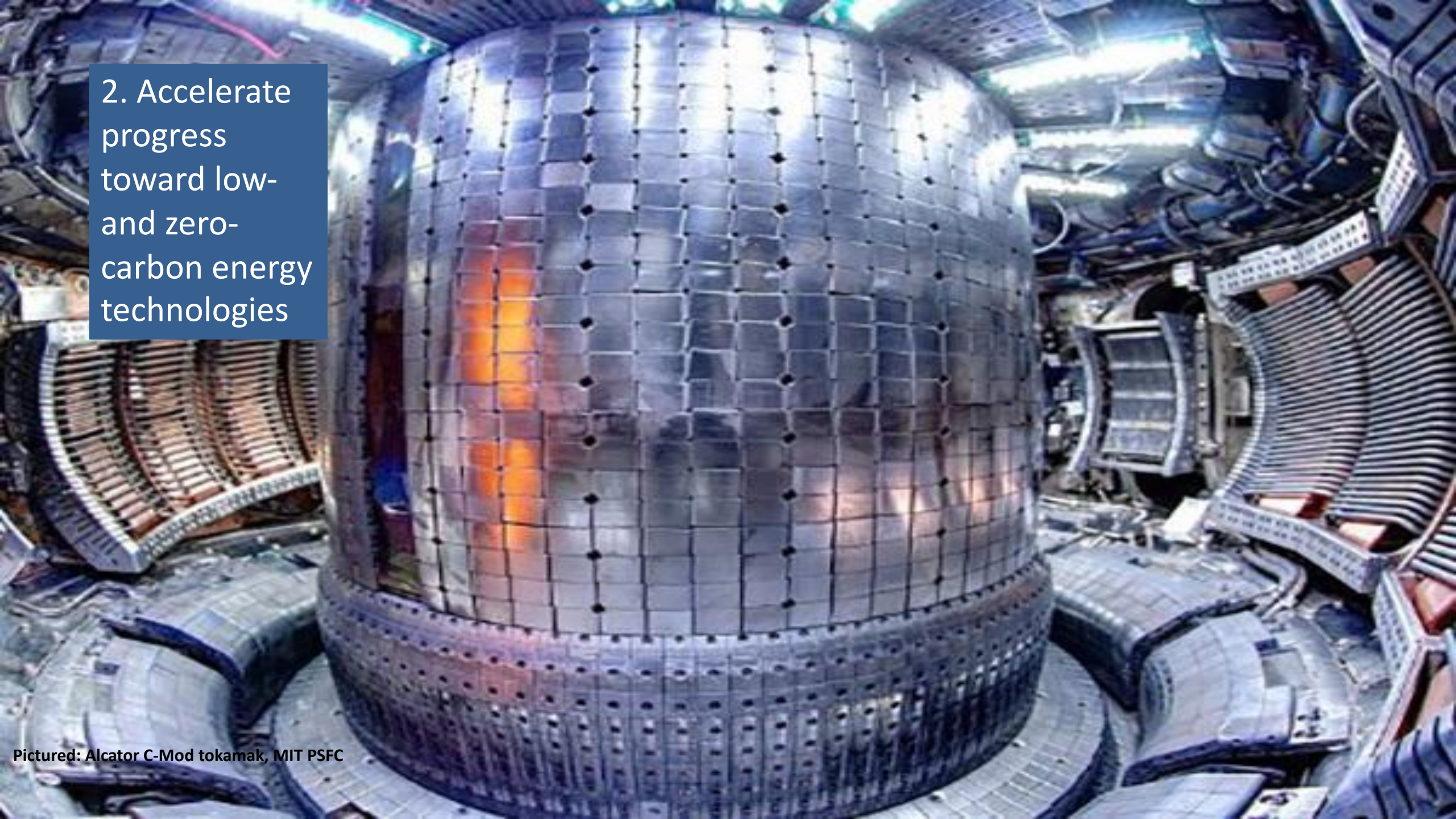




1. Improve
understanding
of climate
science



2. Accelerate
progress
toward low-
and zero-
carbon energy
technologies



Pictured: Alcator C-Mod tokamak, MIT PSFC



3. Educate a new generation of climate, energy and environmental innovators

4. Share what
MIT learns
about climate
with the
broader world

[Climate.mit.edu](https://climate.mit.edu)



From Plan to Action:

START

STUDY

SOLVE

MIT Campus Greenhouse Gas Emissions Reduction Strategy

5. Use the MIT community and campus as a test bed for change

Getting to
32%
by 2030
and Beyond

Summit Farms, NC
650 acres, 60 MW
solar farm

MIT, Boston
Medical Center,
Post Office Square
Redevelopment
Corporation



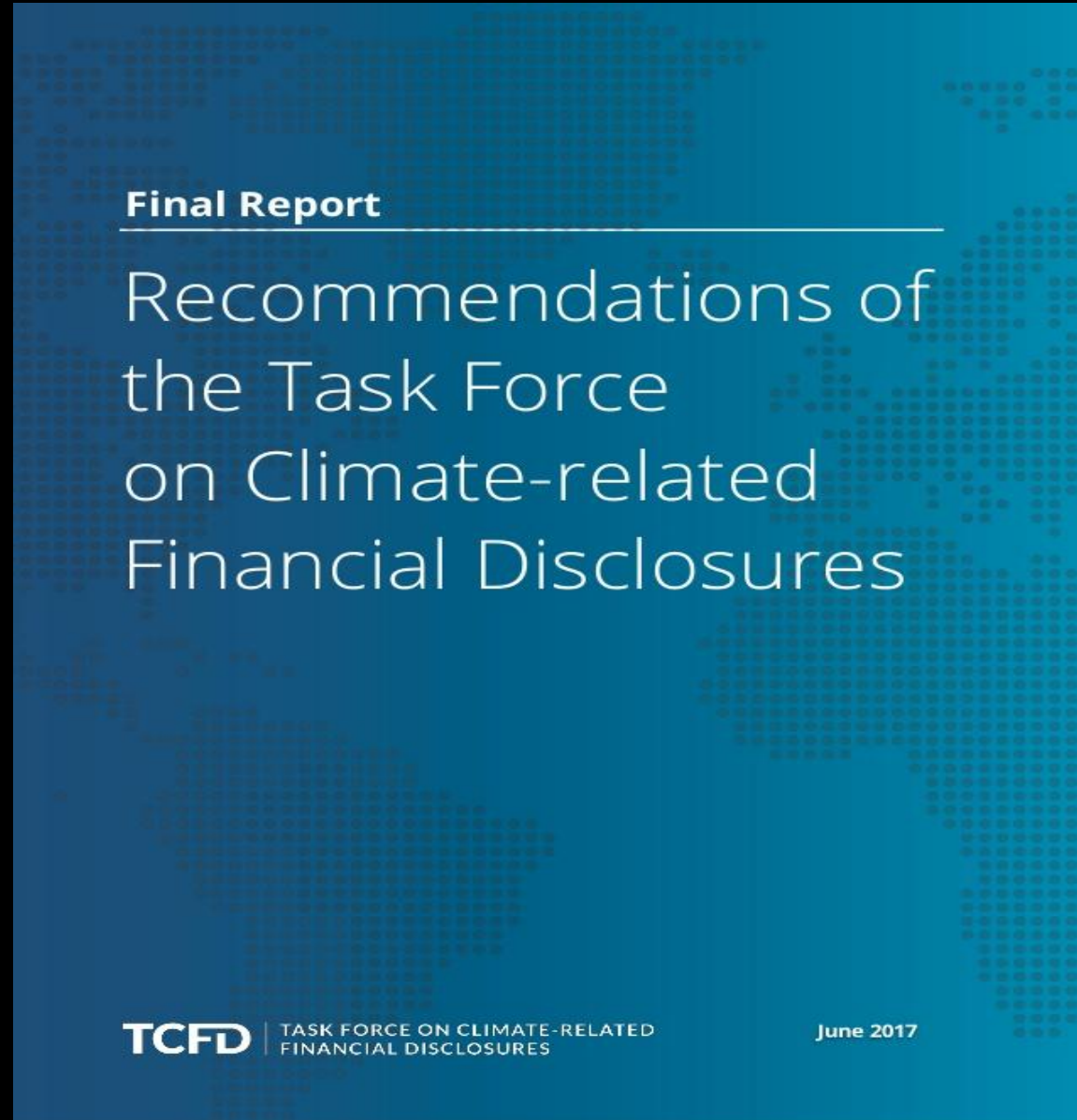
Allows for
retirement of two
coal-fired power
plants

sustainability.mit.edu/site-

Engagement:
Northeast US,
Eastern Canada
Climate Summit



Engagement w/oil
& gas companies,
utilities, energy
investors & NGO's
on Future Climate
Scenarios



Looking ahead: 2019-2020 Climate Action Symposia Series



MIT Kresge Auditorium



web.mit.edu/physics



References

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- Slide 3 http://report.ipcc.ch/sr15/pdf/sr15_spm_final.pdf
- Slide 5 <https://globalchange.mit.edu/publications/signature/2018-food-water-energy-climate-outlook>
- Slide 6 <https://www.psfc.mit.edu/news/2015/fusion-energy-sooner-and-cheaper>
- Slide 7 <https://mailchi.mp/mit/test-sgildlijm3-1410209>
- Slide 9 <https://sustainability.mit.edu/topic/low-carbon-campus#!climate>
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- Slide10 <https://sustainability.mit.edu/site-solar-farm>
- Slide 11 <http://news.mit.edu/2017/mit-convenes-researchers-and-policymakers-regional-climate-action-1212>
- Slide 12 <https://www.fsb-tcfd.org/wp-content/uploads/2017/06/FINAL-TCFD-Report-062817.pdf>
- Slide 14 <https://web.mit.edu/physics/about/history/1940-1945.html>