

Workshop Series • MIT Joint Program on the Science and Policy of Global Change

Water Resource Risks: Integrated Approaches to Support Actions

December 6, 2017, 9:00 am - 5:00 pm

MIT Campus, E18-304 ****Video-Conferencing Available**

"Regardless of what is done to avoid any climate change – the world faces at least an additional billion people in basins under water stress by mid century..."

Water is an essential ingredient for the prosperity, health, and sustainability of a continually changing, complex, and globally-linked society.

These changes and complexities create fundamental limits to prediction that necessitate a risk-based, integrated, and quantitative approach. Now more than ever, decisions to meet environmental and societal challenges in the coming decades must be informed by integrated, socio-economic and science-based predictions.

The workshop welcomes participants to engage in an interactive dialogue with the team of water-resource researchers at the **MIT Joint Program on the Science & Policy of Global Change**. Featured presentations and ensuing discussions will highlight key elements of our active research and explore opportunities for our researchers & sponsors to pursue frontiers in critical research arenas.

Agenda

Global Water Models: Historical Perspective, Comparison, and Capabilities

Modeling, Limits-to-Prediction, and Projecting Risk from Change

Decision-Making for Water Resources Under Uncertainty

Focus Areas of Water Research • Stress/Scarcity/Availability • Quality • For Agriculture • For Energy

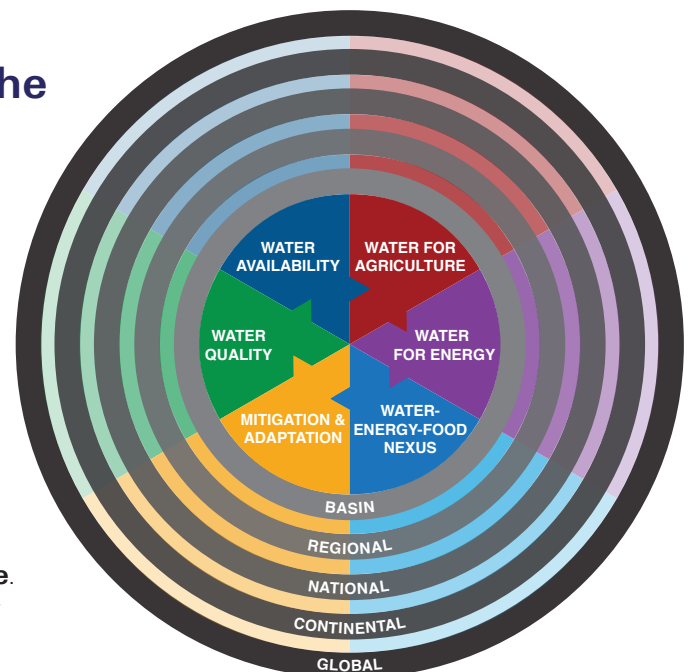
Mitigation and Adaptation Amidst Changes in Water-Energy-Food Nexus

Open Discussion:

Recognizing Challenges, Setting Priorities, and Supporting Research and Investment Opportunities

Featured MIT researchers:

Dr. Ken Strzepek • Dr. C. Adam Schlosser • Dr. Brent Boehlert • Sarah Fletcher • Dr. Xiang Gao • Dr. Niven Winchester



Bridging systems and scales across an integrated prediction and experimental framework

To attend the workshop in person, please RSVP to Dimonika Bray at dbizi@mit.edu.