

MITRE CLIMATE AND ENVIRONMENT SCIENCE



Energy. Water availability. Food security. Public health. The national security implications of changes in climate, urbanization, and extreme weather are clear. To combat these threats, the nation must adapt to current and projected future environmental changes. Adaptation requires trusted solutions and strong partnerships among government, industry, and academia.

MITRE works in the public interest to bring independent, data-driven, science-based solutions to complex environmental problems.

Our success comes from applying deep expertise in systems analysis across research fields and operational sectors to solve key challenges with approaches such as:



INTEGRATING SENSORS, INDICATORS, & WARNING SYSTEMS

Applying sensing and analytics expertise to measure and evaluate signals of environmental and energy changes to inform decision-making



ENHANCING ENVIRONMENTAL RESILIENCE

Developing innovative and equitable adaptation and mitigation engineering solutions to strengthen water and energy security in the context of social equity-based environmental policy and technologies

MITRE's reputation as a trusted, non-profit advisor, coupled with our investment in climate and environmental science research and applications, enables us to identify, evaluate, develop and transition economically viable solutions to the most difficult global challenges.



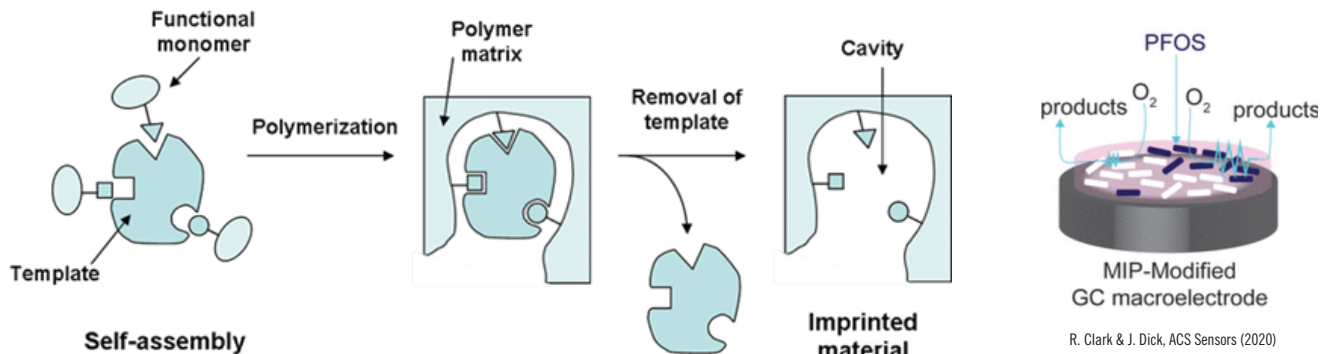
The effects of climate change are a national security issue, impacting DOD's missions and operational plans, readiness, our installations, and the Department's budget."

Dr. Kathleen Hicks,
Deputy Secretary of Defense

LEARN MORE

PFAS Sensors

Sensor development for real-time per- and polyfluoroalkyl substances (PFAS) detection capabilities using molecularly imprinted polymers (MIP) through partnerships with academia, government, and private industry.



BlueTech Consortium

Creating partnerships to develop a world class maritime testing facility; promote cross-sector collaboration; accelerate development of technology; and develop the BlueTech workforce of the future.



For information about MITRE's Climate and Environment expertise and capabilities, contact climate@mitre.org.

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government to tackle challenges to the safety, stability, and well-being of our nation.

MITRE | SOLVING PROBLEMS
FOR A SAFER WORLD®