



The Project on Advanced Systems and Concepts for Countering WMD (PASCC) is run at the Center on Contemporary Studies (CCC) and sponsored by the Defense Threat Reduction Agency (DTRA). PASCC awards and supports strategic studies and dialogues that anticipate and try to reduce the threat of WMD capabilities.



The CCC has a respected track record for providing research and timely analysis on a variety of topics to leading decision makers in the U.S. national security community. Located in the Naval Postgraduate School, the CCC is the research wing of the Department of National Security Affairs.

*Research in Progress* describes ongoing PASCC research. For more information, please contact [pascc@nps.edu](mailto:pascc@nps.edu).

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## Assessing the Implications of Trends in Science and Technology Relevant to the Chemical Weapons Convention

Performer: National Academy of Sciences (NAS)

Project Lead: Teresa Fryberger

Project Cost: \$181,292

FY16–17

### Objective:

This project will investigate trends in science and technology (S&T) relevant to the Chemical Weapons Convention (CWC) to assess their implications for the future operation of the Convention, including potential emerging threats and developments that could limit the effective implementation of the convention. The project will reach a broad international audience and will support a wider discussion between S&T and international security professionals about how to address the implications of the revolution in life sciences without unduly impeding continued scientific progress.

### Approach:

NAS will collaborate with several international scientific organizations to assess the implications of continuing rapid advances in S&T for the future operation of the CWC. The project lead will work with the International Union of Pure and Applied Chemistry (IUPAC) in the design and implementation of an international symposium that will bring together subject matter and policy experts from academia, industry, and government to consider recent advances in S&T and analyze their implications for the CWC. The resulting report, drafted and published by IUPAC, will summarize the scientific and technical discussions and provide an analysis of these topics to inform deliberations in advance of the 4th CWC Review Conference in 2018.