

FY2016

CENTER FOR GLOBAL SECURITY

Annual Report



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965

Pacific Northwest National Laboratory's Center for Global Security (CGS) brings together a multidisciplinary set of stakeholders to:



ENGAGE global security, policy, science, and technology experts to identify emerging threats



EXAMINE emerging national security issues through in-depth analysis of the economic, legal, regulatory, and policy factors that can influence the transition from science to solutions



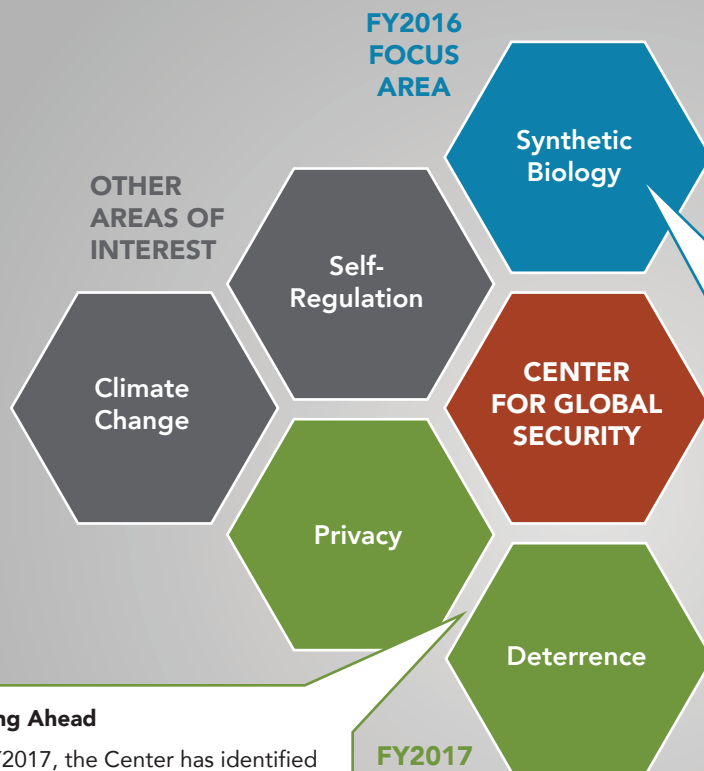
DELIVER insights and recommendations for future research agendas based on strong foundations in science, technology, and policy

In FY2016 we explored questions that lead to comprehensive, forward-looking solutions:

- ▶ What **current threats** pose continuing or new challenges to national and global security?
- ▶ What **emerging threats** will pose new challenges, and how can we best understand the multifaceted nature of these threats?
- ▶ How can the science, technology, and policy communities make **focused investments** and deploy **robust solutions** to best prepare the nation against future harm?



DELIVERING IMPACT TO EMERGING ISSUES



Looking Ahead

For FY2017, the Center has identified two key areas of interest to explore with stakeholders and focus PNNL's capabilities:

- **Privacy** – Protecting individual privacy while analyzing large or multiple data sets.
- **Deterrence** – Examining the changing landscape of deterrence and nonproliferation.

Synthetic Biology

In FY2016, the Center engaged government and industry to examine the threat and promise of "synthetic biology." Sponsors and agencies including DOE, DOD, IARPA, FBI, OSTP, IC, DARPA, DHS, and DHHS participated in a series of workshops focused on the challenges of synthetic biology and identified areas for further investigation.

As a result of the workshops, the Center delivered recommendations to help decision makers, analysts, and researchers to:

- Deter illicit research
- Detect and differentiate research of concern
- Develop tools to strengthen the U.S. technical base
- Defend against natural and engineered releases.

PNNL is also publishing an article demonstrating how lessons learned from the Center's work in self-regulation of the nuclear supply chain apply to the synthetic biology supply chain.



<http://cgs.pnnl.gov>

WHO ARE WE?

The Center is managed by the CGS Director Gretchen Hund, CGS Steward Tammy Taylor, and Policy Advisor Sarah Frazar, who work in conjunction with PNNL management and staff to define the CGS mission, vision, and goals and to oversee CGS research and operations.

FOR MORE INFORMATION

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