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# Transatlantic Collaborative Biological Resiliency Demonstration (TaCBRD)

## Program Overview

16 November 2011

DEFENSE THREAT REDUCTION AGENCY

JOINT SCIENCE AND TECHNOLOGY OFFICE

CHEMICAL AND BIOLOGICAL DEFENSE

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# Problem Statement



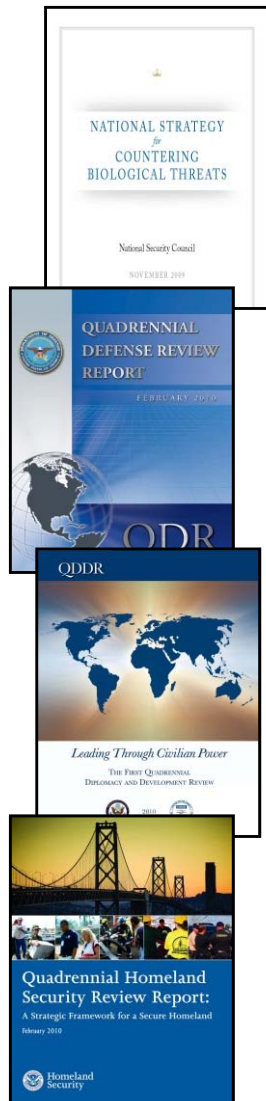
Civilians, military personnel, and critical infrastructure are at risk, due to a lack of capability to provide a coordinated interagency approach for resiliency in countering a wide-area biological event that impacts the U.S. and a partner nation.



# Guidance Alignment



- **National Strategy for Countering Biological Threats (2009)**
  - Build Global Capacity for Disease Surveillance, Detection, Diagnosis, and Reporting
  - Improve International Capacity against Infectious Diseases
  - Advance global situational awareness, disease surveillance, resilience, and other activities
  - Conduct the full range of preparations to ensure an effective response in the event of a biological incident
- **Quadrennial Defense Review (2010)**
  - Improve the responsiveness and flexibility of consequence management response forces
  - Create mechanisms to expedite acquisition and transfer of critical capabilities to partner forces
  - Increase the resiliency of U.S. forward posture and base infrastructure
  - Closely cooperate with other U.S. departments and agencies to better protect and advance America's interests
- **Quadrennial Diplomacy and Development Review (2010)**
  - Help coordinate U.S. crisis response through a new international operational response framework, which will draw on the capabilities and expertise found across federal agencies and improve civil-military collaboration
- **Quadrennial Homeland Security Review (2010)**
  - Improve the Nation's ability to adapt and rapidly recover
  - Strengthen unity of effort between military and civilian activities for homeland security



# Goal and Objectives



## DOD, DOS and DHS collaborative program

### Goal:

Develop and demonstrate a U.S. Government capability for resilience in countering a wide area biological incident (including contagious and persistent threats) that impacts U.S. and Partner Nation civilian and military personnel and key infrastructure.

- For a wide area contagious biological threat, TaCBRD will focus on mitigating morbidity through rapid detection and containment – thereby saving lives and enhancing recovery.
- For a wide area persistent biological threat, TaCBRD will focus on planning, response and recovery activities that compress the timeline for recovery – thereby allowing a region to maintain long-term viability.

### Objectives:

- Enhance National Defense by understanding operational interdependencies that impact resilience to biological incidents overseas
- Strengthen U.S. Government collaboration on countering OCONUS biological threats or attacks
- Develop enhanced/coordinated capacities with partner nations for biological threat preparedness, response and recovery activities; strengthen key relationships abroad
- Improve the responsiveness and flexibility of consequence management response forces
- Increase Resilience to catastrophic events by providing capability to prepare for, respond to, and recover from a biological attack

Resilience: robustness, adaptability, and capacity for rapid recovery (Prepare, Respond and Recover)



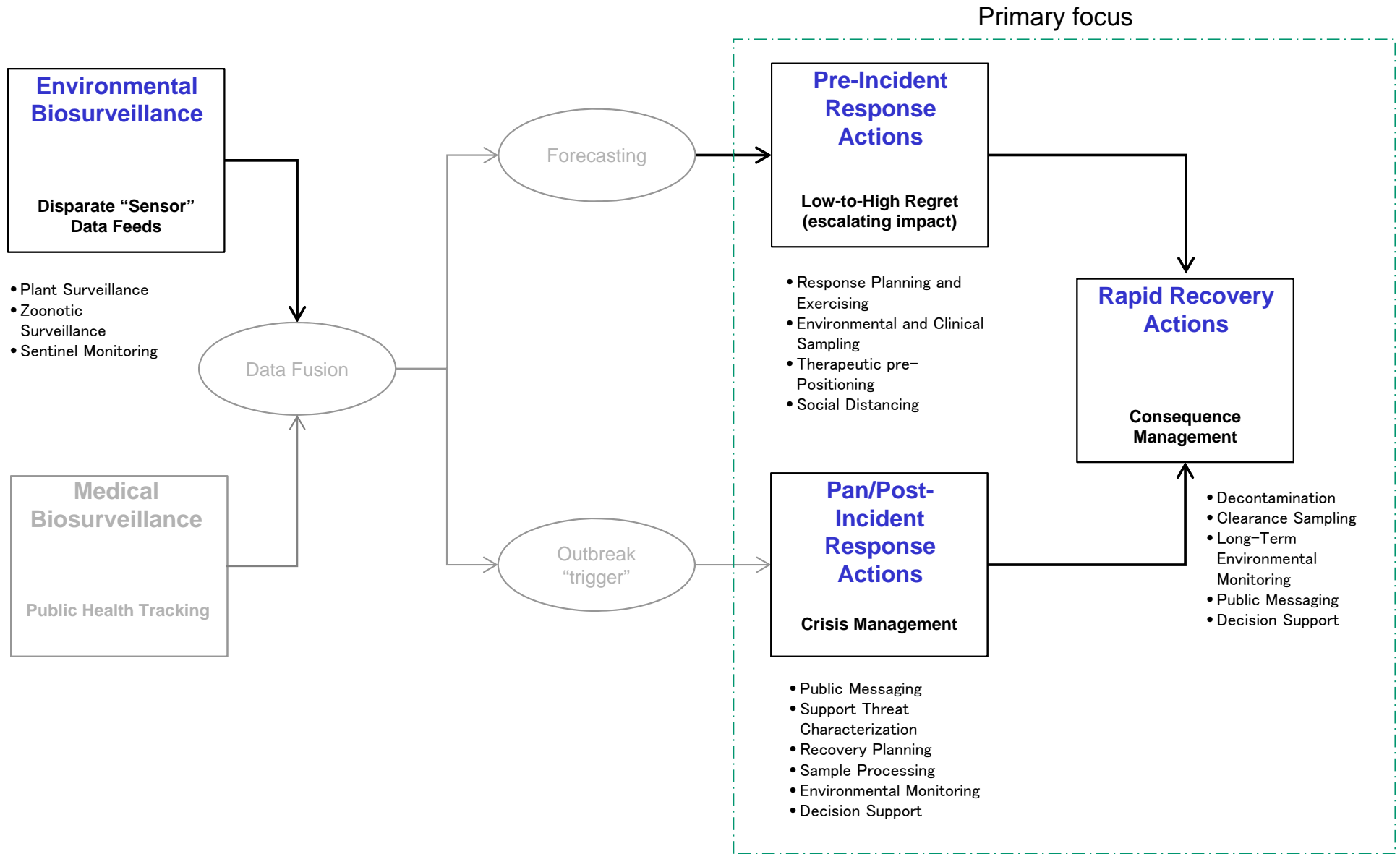
# Program Summary



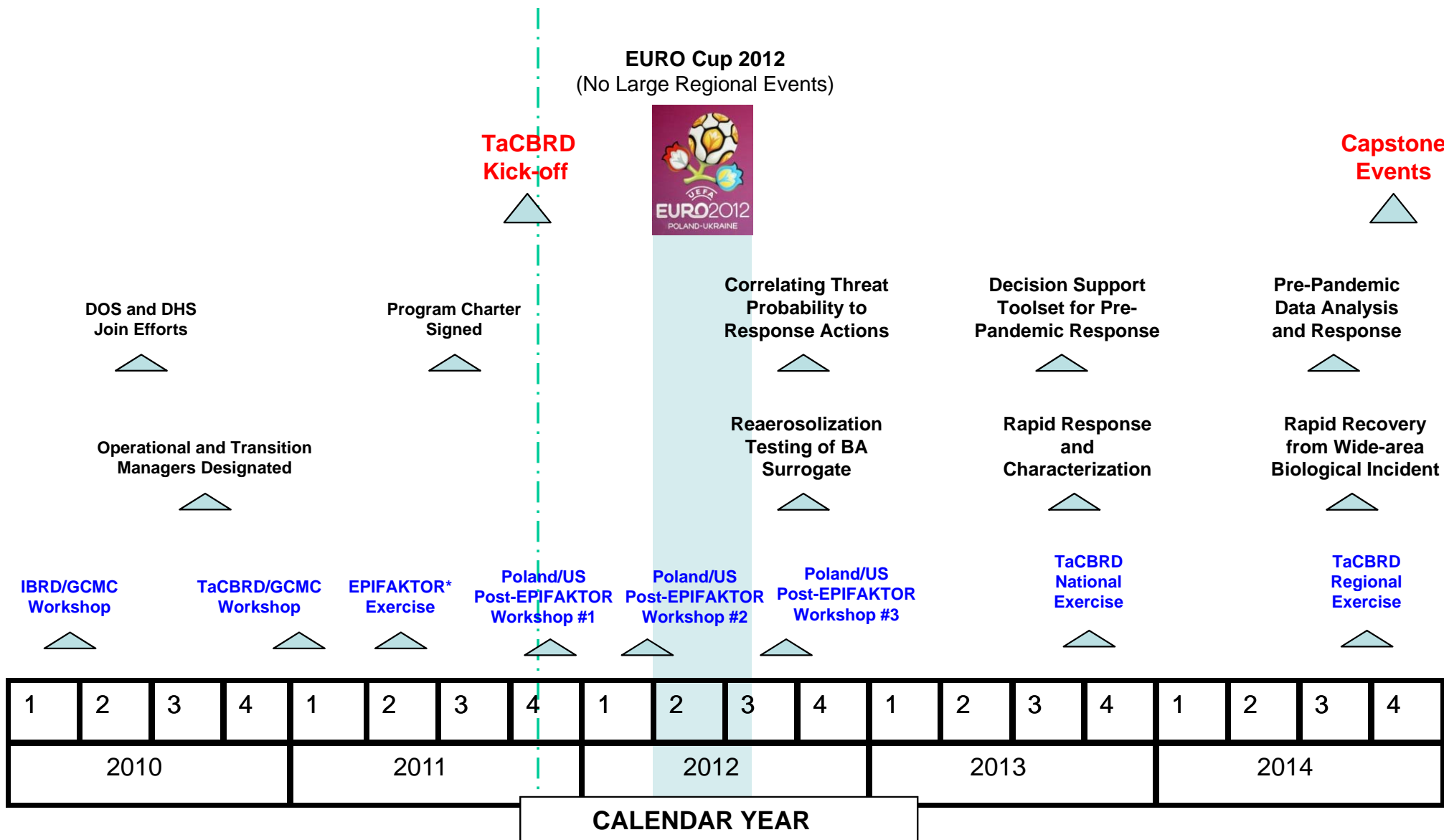
- **Sponsor:** DoD (DTRA/JSTO)
- **Partners:** DoD, DOS, DHS, Republic of Poland (primary partner nation)
- **Stakeholders:** DoD, DOS, DHS, HHS, EPA, USDA, Republic of Poland
- **Performing Organizations:** ECBC, AFRL/Cubic Applications, NAVSEA/JHU-APL, SNL, LLNL
- **Timeframe:** FY12-14
- **Funding:**
  - DoD: \$10.9M; CBDP funding for program execution
  - DOS: \$900K; partner nation engagement
  - DHS: \$2.3M; collaborative S&T development/integration
  - Republic of Poland: TBD; partner nation engagement, collaborative capability development
- **Research Areas:** Rapid Response and Recovery S&T; Threat Activity Sensing and Reporting; Biological Threat Characterization, Agent Resuspension, and Remediation; Environmental Biosurveillance



# Program Focus



# Program Timeline



\* EPIFAKTOR 2011 was a biological event exercise conducted in Warsaw, Poland in May 2011, in cooperation with ILNG



# TaCBRD Points of Contact



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