

Cross Boundary Information Sharing

LouAnna Notargiacomo, XBIS Laboratory Lead
703-983-1046 • Inotargiacomo@mitre.org

Ellen Powers, XBIS Initiative Lead
781-271-3034 • ejpowers@mitre.org

MITRE CIIS Initiative

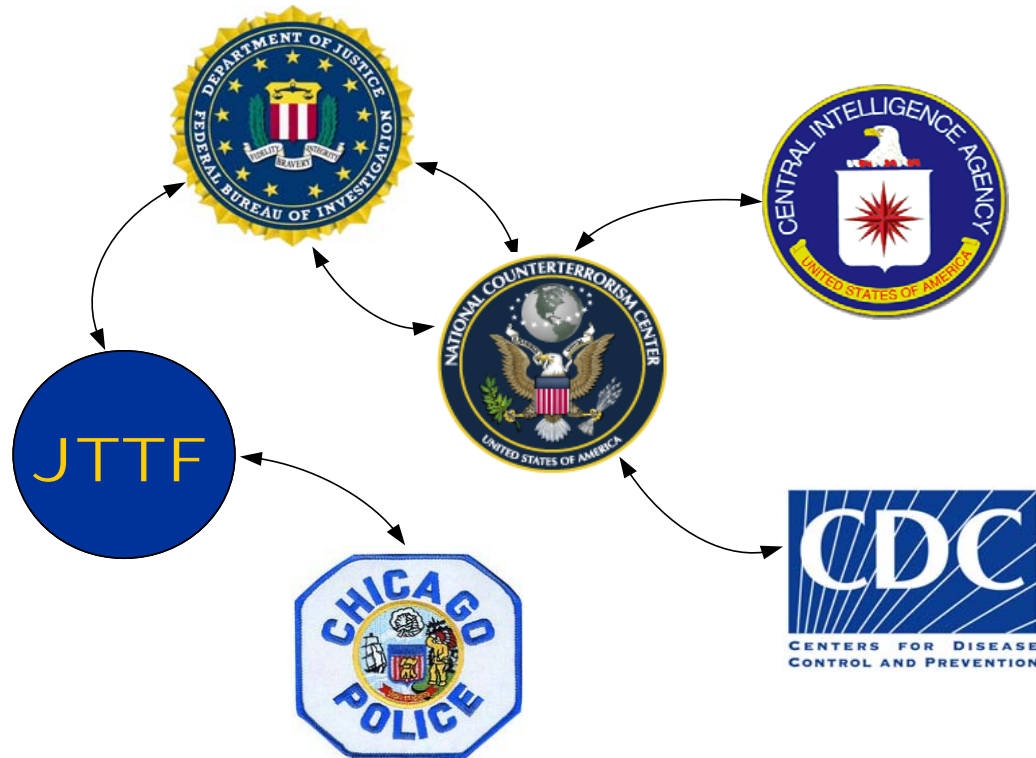


Problem

- **Can people share information across organizational boundaries, while protecting security and privacy?**
 - **Cross-boundary interconnection**
 - **Information exploration and discovery**
 - **Information protection**
- **Can we reduce organizational, cultural, political, and social barriers to sharing?**
 - **Human systems integration**

Background

XBIS Laboratory Counterterrorism Information Sharing Scenario



An FBI agent in Chicago learns of a possible local bioterrorism event involving a virus ...



... a few months later, a CIA agent in Kabul learns of a terrorist sleeper cell with connections to Chicago.

How can an analyst connect these events and coordinate a response?

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Objective

- **Integrate technical solutions to support**
 - **Interconnection of communities**
 - **Information discovery**
 - **Protection of shared information**
- **Explore what motivates people and organizations to share**
 - **Mission**
 - **Trust relationships**
 - **Reward structure**

Activities

- **Modeling sharing communities**
 - **Organization infrastructure and policies**
- **Integrating accredited or accreditable solutions**
- **Developing integrated scenarios**
 - **Counterterrorism**
 - **Coalition Warfare**
- **Providing a testbed for MITRE information sharing research**

Highlight

XBIS Laboratory Facility MITRE Washington

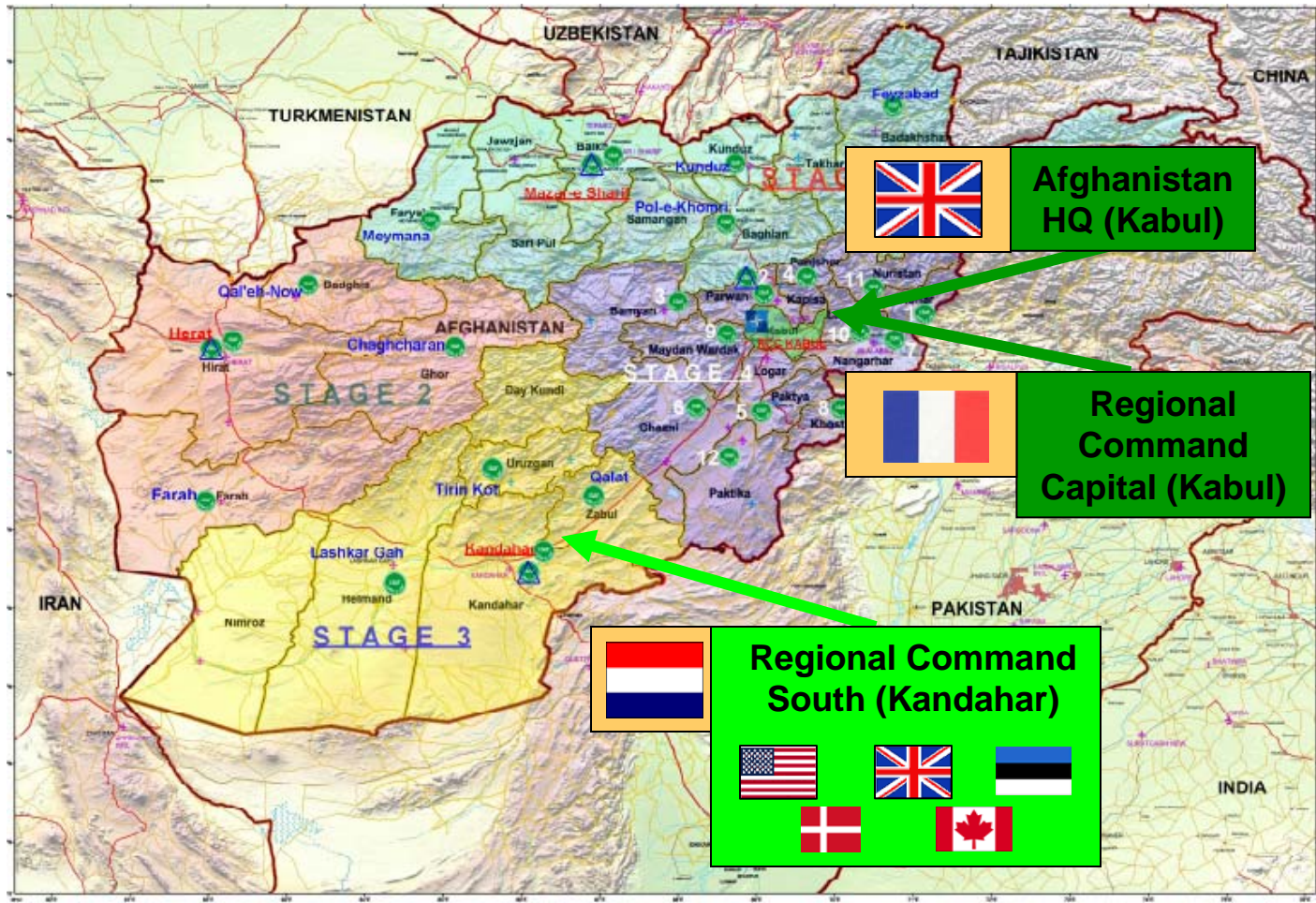


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Demonstration

New XBIS Laboratory Coalition Warfare Scenario



Impacts

- **XBIS Laboratory scenarios represent real-world information sharing problems facing MITRE sponsors**
- **Laboratory integrates multiple technologies and human processes, demonstrating how current technologies can meet sharing needs**
- **Scenarios help sponsors map human requirements to needed technical solutions**
- **Laboratory provides a realistic environment to test cross-boundary sharing research projects**

Future Plans

