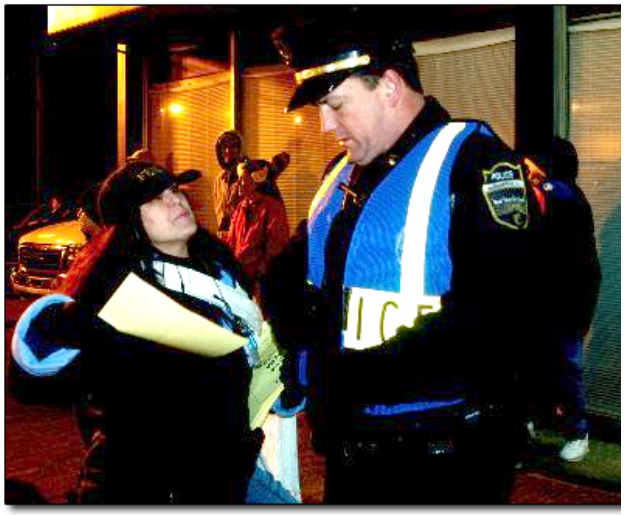
Infrastructure/Geophysical Division Overview

Mary Ellen Hynes
Infrastructure/Geophysical Division
Department of Homeland Security
Science and Technology Directorate
March 20, 2007

Homeland Security

Preparedness & Response (P&R)



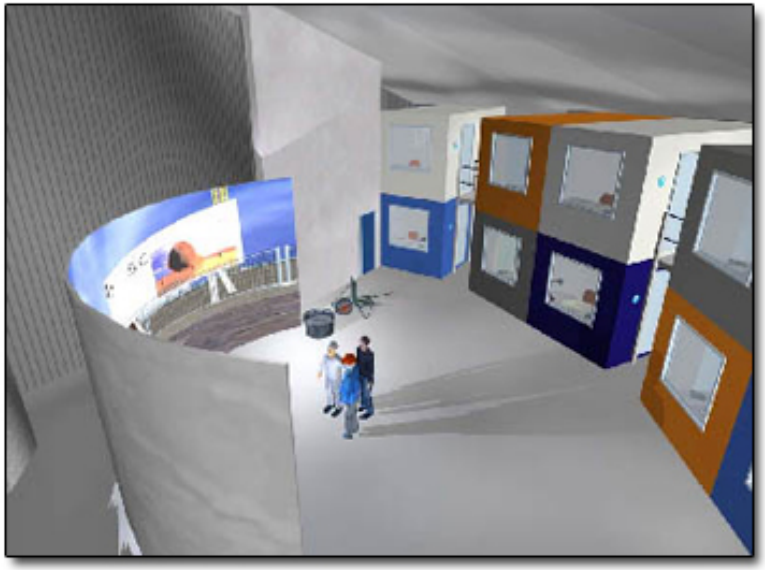
Enhanced Situational Awareness and Preparedness to Improve Response and Recovery

P&R: Overview

Objectives ◆ R&D Investments ◆ Customers ◆ End-Users

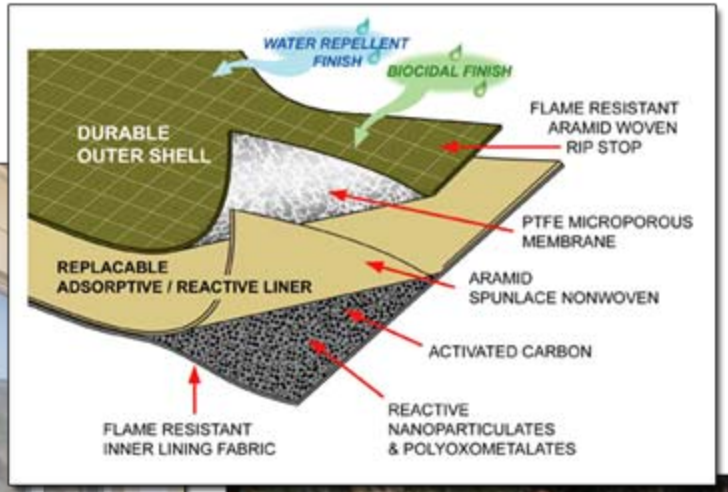
Homeland Security

P&R: Training, Exercise and Lessons Learned (TELL)



Homeland Security

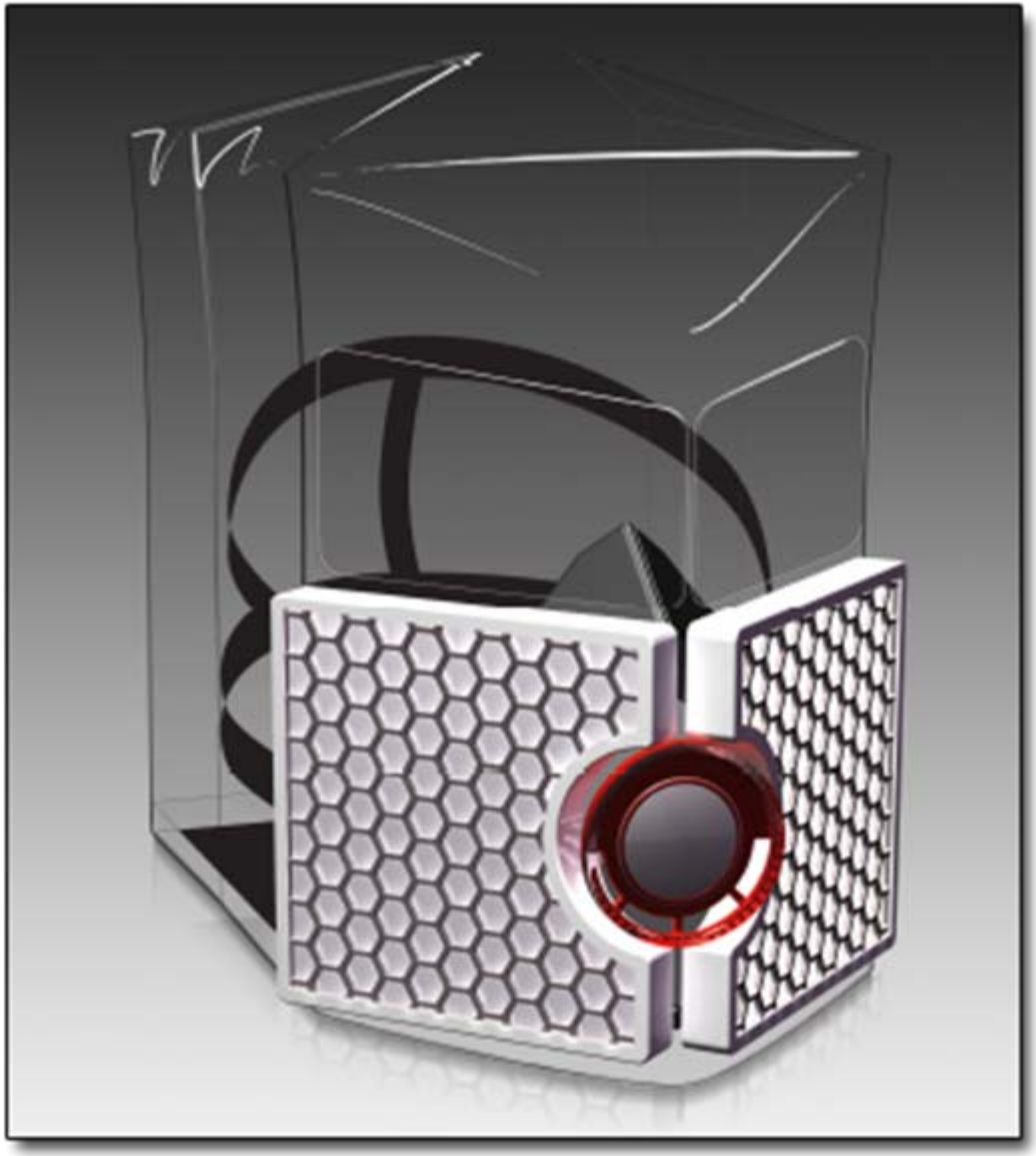
P&R: Personal Protective Equipment



Homeland Security

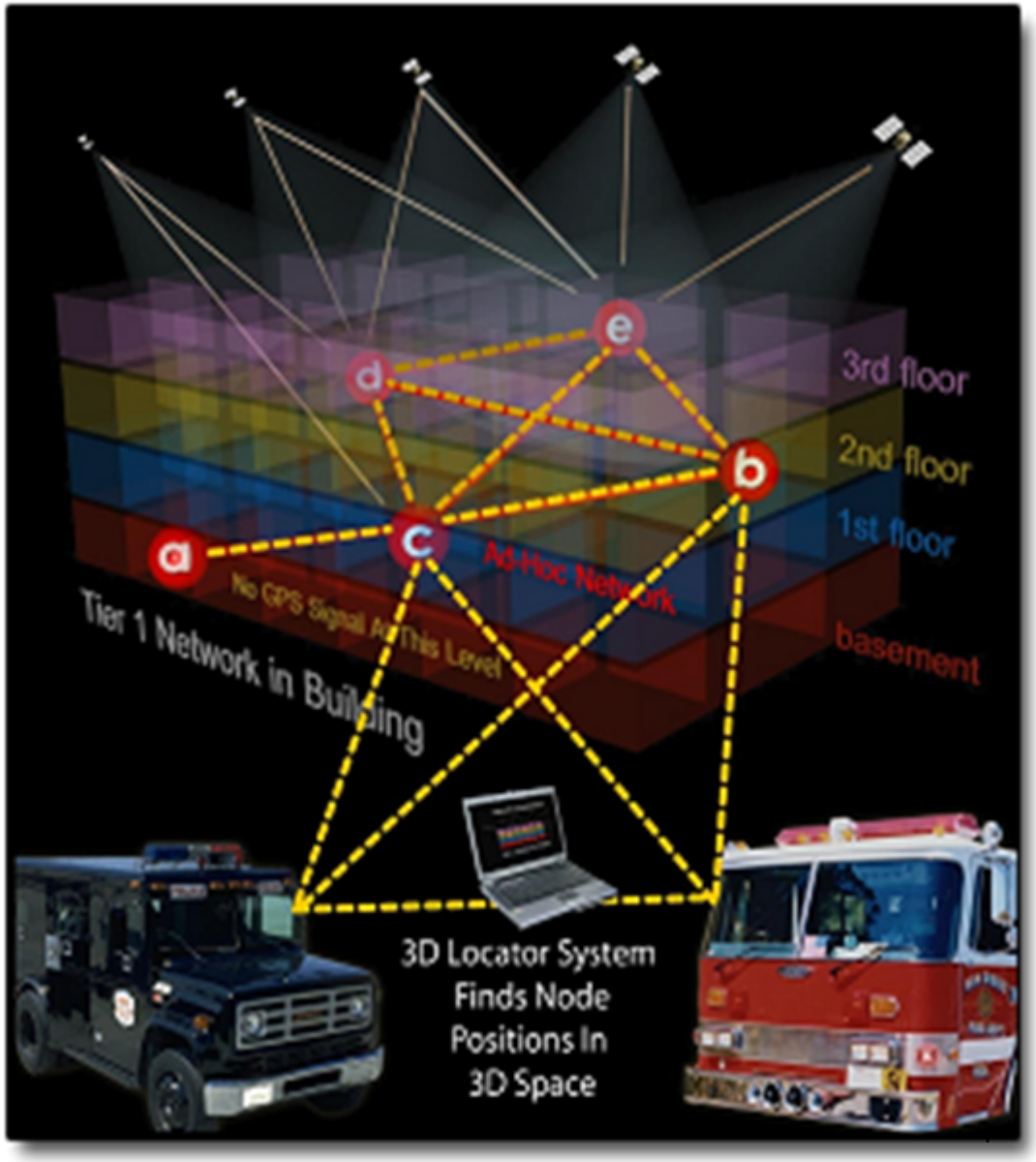
P&R: Escape Hood

The concealable mask



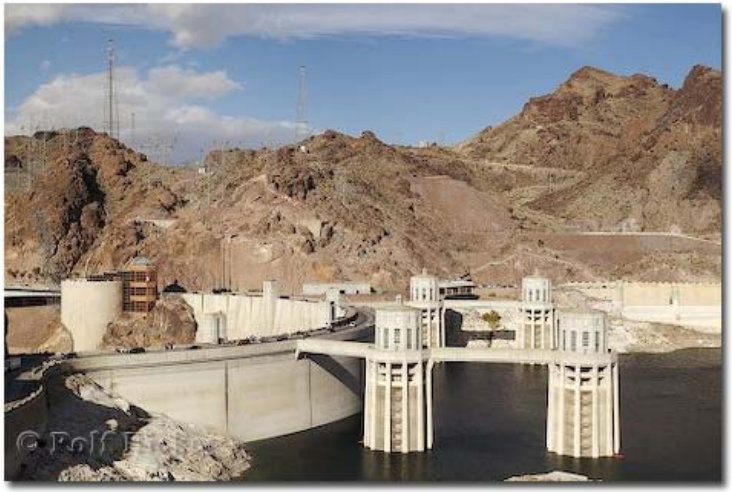
Homeland Security

P&R: 3-D Locator



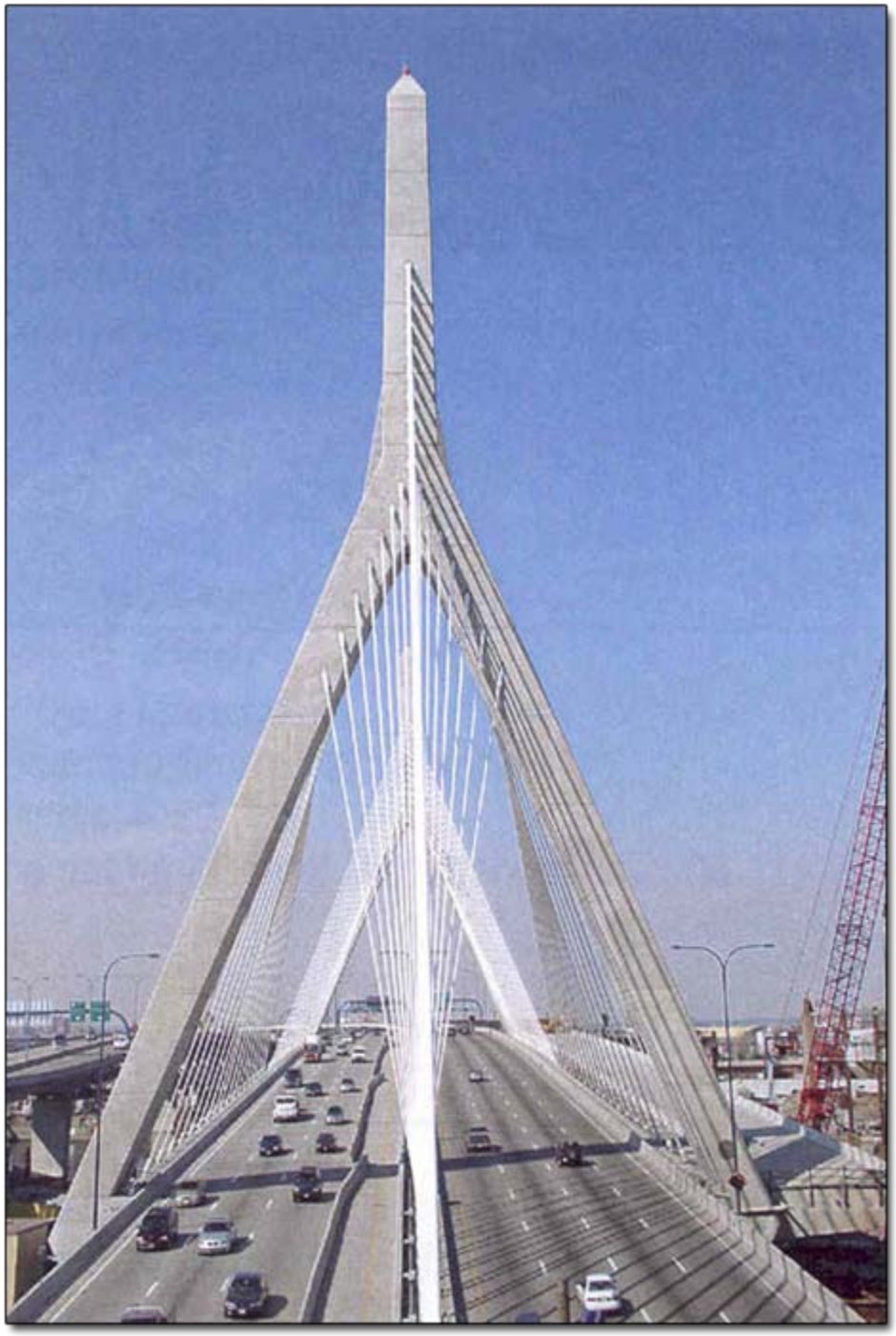
Homeland Security

Critical Infrastructure



Homeland Security

IP: Mitigation for Cable-Stayed Bridges

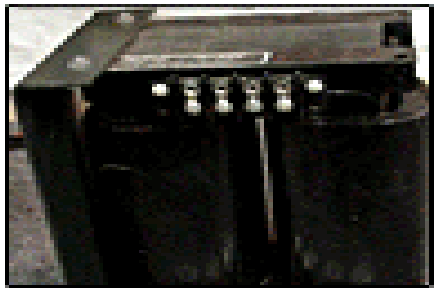


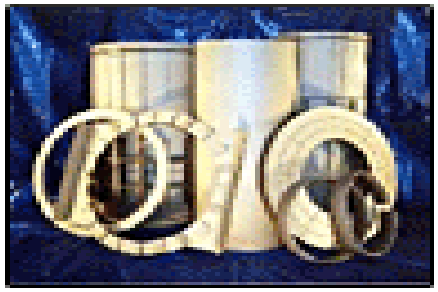
Homeland Security

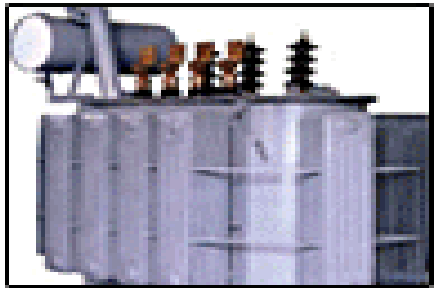
IP: Levee Strengthening & Rapid Repair

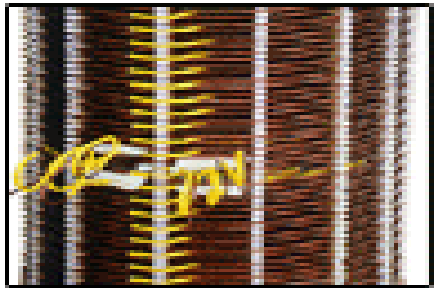
Homeland Security

IP: Response and Recovery Technologies – Recovery Transformer



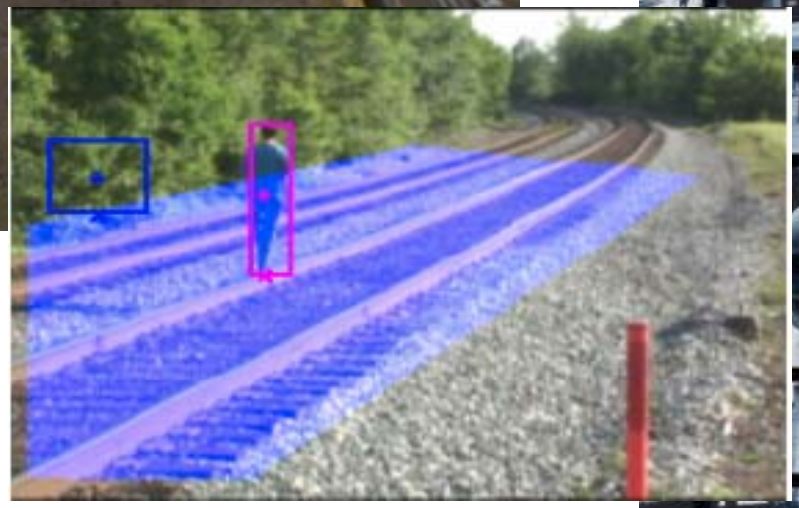






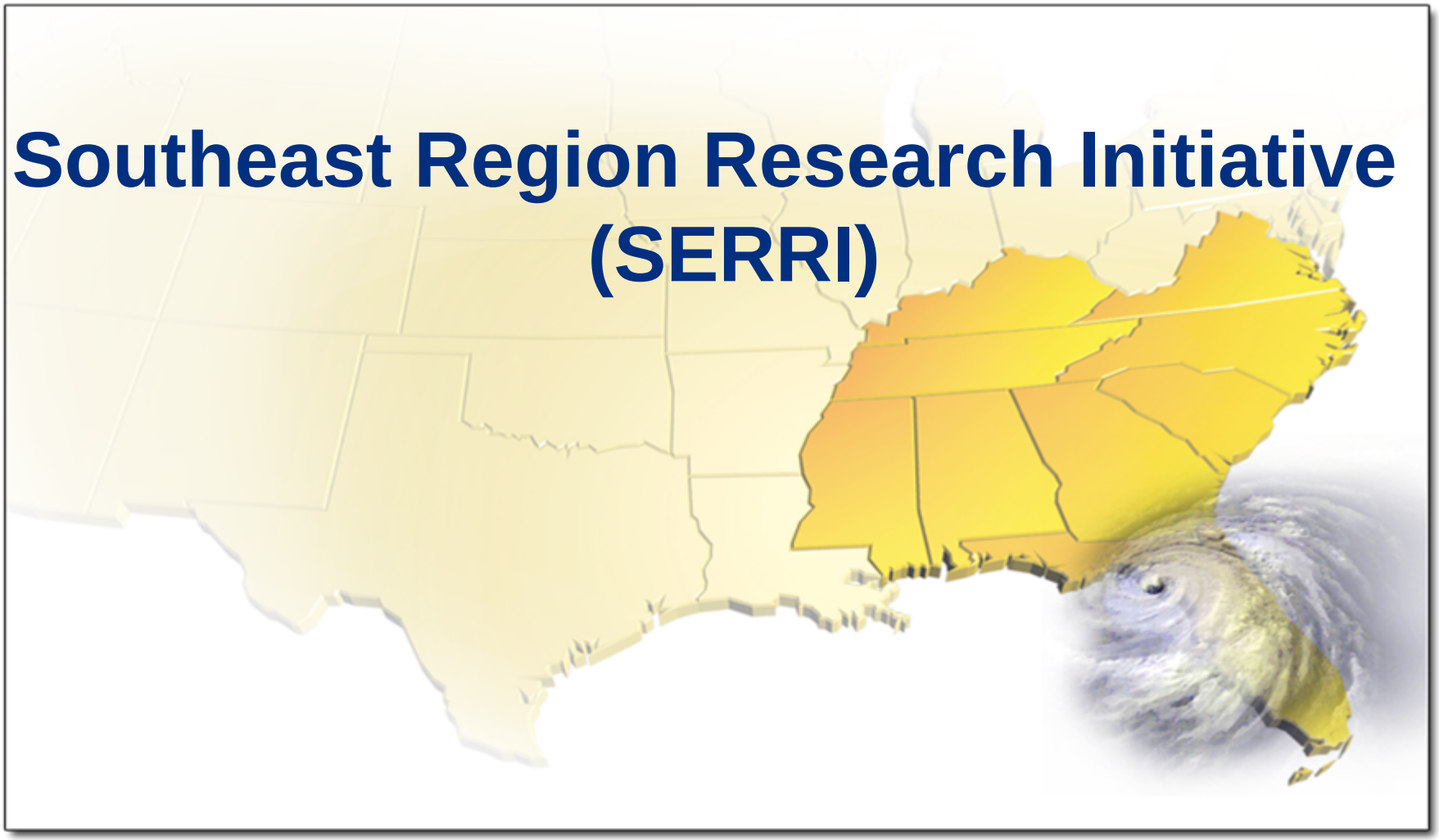
Homeland Security

IP: Advanced Surveillance Detection Systems



Homeland Security

Geophysical



Homeland Security

Geophysical

SAFE

Secure Against Fires and Embers

Homeland Security

Infrastructure and Geophysical Division **will increase the Nation's preparedness** for and response to natural and man-made threats **through superior situational awareness**, **enhanced emergency responder capabilities**, and **critical infrastructure protection**

Homeland Security

Homeland Security

Science and Technology