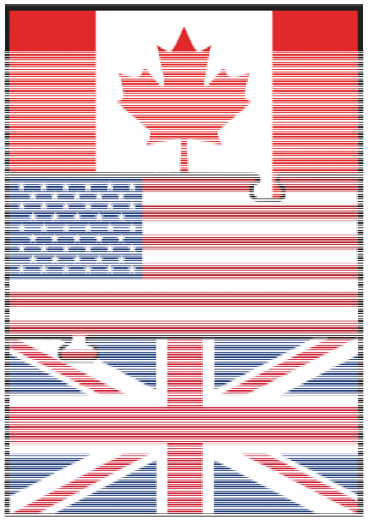
U.S.-UK-CANADA TRILATERAL SYMPOSIUM

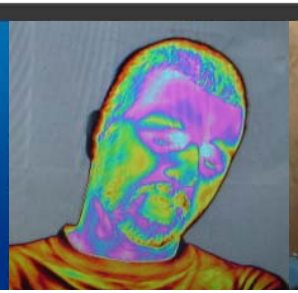


Panel Discussion: Working Together in Science & Technology

October 2, 2009 · Arlington, VA

Stephen Dennis
Technical Director, HSARPA
Science and Technology Directorate
U.S. Department of Homeland Security

Homeland Security
Science and Technology



Homeland Security

FROM SCIENCE...SECURITY

Explosives

Chemical/Biological

Command, Control & Interoperability

Borders/Maritime

Human Factors/ Behavioral Sciences

Infrastructure/Geophysical

FROM TECHNOLOGY...TRUST

Homeland Security

*** Open until ***
*** 29 SEP 2009 ***

International Research Grants

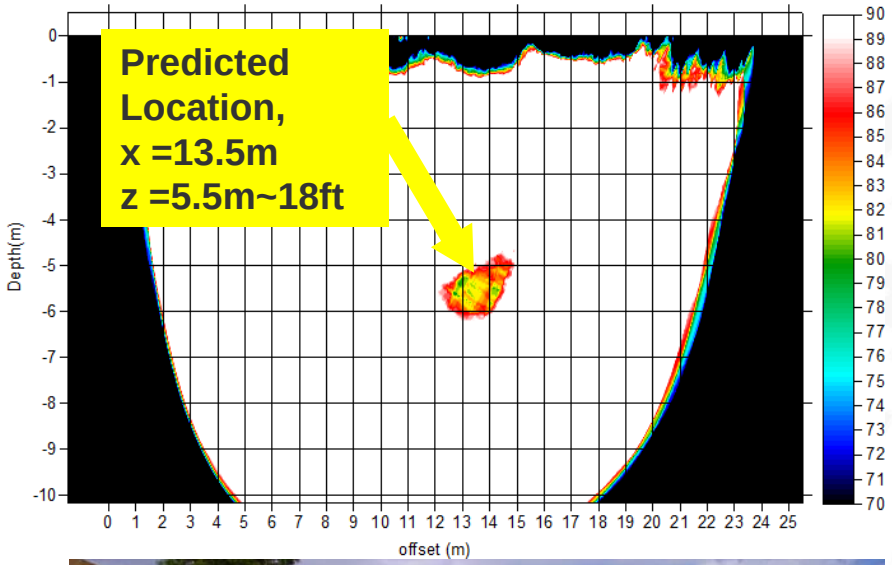
Yearly solicitation for international research proposals, aligned with S&T's mission, issued (pending the availability of appropriated funds):

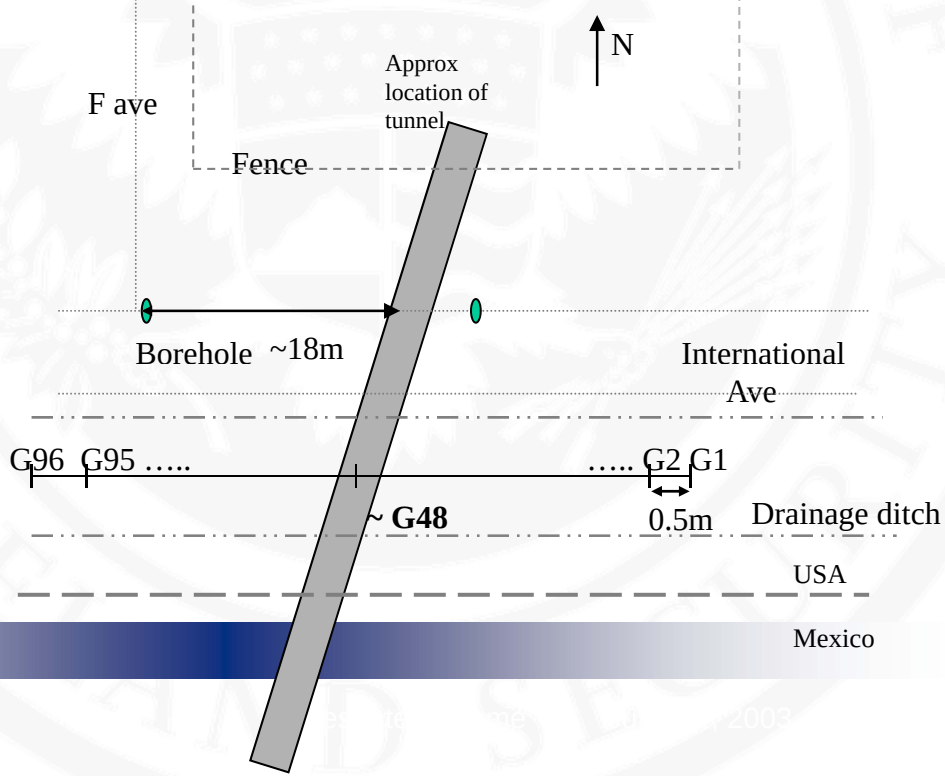
- Evaluation of novel tools or approaches to confronting homeland security challenges.
- Basic research to provide data, understanding, or models that support S&T or policy decisions by the Department of Homeland Security.
- S&T and operations research evaluations to support revolutionary improvements in the DHS mission and its component agencies' operations.
- ***Opportunities are posted at www.grants.gov under funding opportunity DHS-09-ST-108-001***

Resilient Tunnel Demonstration

August 2008

Clandestine Tunnel Detection





Homeland Security

SECURE™ Program

Developing Solutions in Partnership with the Private Sector

- 'Win-Win-Win" Public-Private Partnership program benefits DHS's stakeholders, private sector and –most importantly- Taxpayers
- Saves time and money on product development costs leveraging the free-market system and encouraging the development of widely distributed products for DHS's stakeholders
- Detailed articulation of requirements (ORD template) and T&E review provides assurance to DHS, First Responders and private sector users (like CIKR) that products/services perform as prescribed

http://www.dhs.gov/xres/programs/gc_1211996620526.shtm

BLAST RESISTANT CAMERAS

SUMMARY: Collaboration with industry to develop low cost blast resistant forensic surveillance capabilities for mass transit applications

CUSTOMERS: Mass transit owners and operators, law enforcement

PROGRAM START: June 2008

WHAT'S NEXT: With first prototype deliveries and blast test and evaluations completed, we are now in the process of executing thermal evaluations and initiating a pilot experiment with 10 different transit systems in cooperation with TSA and the Department of Transportation Volpe Center.