



# 114th Annual International Association of Chiefs of Police Conference

Technology from the Hands of War Fighters to Crime Fighters

Cliff Hudson

Deputy for Business, Navigation and Applied Sciences Department  
Space and Naval Warfare Systems Center, San Diego

[cliff.hudson@navy.mil](mailto:cliff.hudson@navy.mil) (619) 553-7442



# PURPOSE



To discuss SPAWAR technology programs available for transition to support State and local agencies.

# MISSION ENABLERS

- National Defense Authorization Act for FY 2003 –  
Section 1401
  - “The Secretary of Defense shall designate a senior official of the Department of Defense to coordinate all Department of Defense efforts to **identify, evaluate, deploy, and transfer to Federal, State, and local first responders** technology items and equipment in support of homeland security.”
- National Defense Authorization Act for FY 2004 -  
Section 803
  - “The Administrator of Federal **Procurement Policy** shall establish a program under which **States and units of local government may procure** through contracts entered into by the Department of Defense and the Department of Homeland Security anti-terrorism technologies and anti-terrorism services for the purpose of preventing, detecting, identifying, deterring, or recovering from acts of terrorism.”

# Unmanned Systems Technology Transfer

UxS's are a revolutionary capability and require an environment for the development of ConOps, integration into the force structure, evaluation of technologies, and support to transition decisions. This environment will provide the tools to enable an effective partnership between DoD, Law Enforcement, academia, and industry.

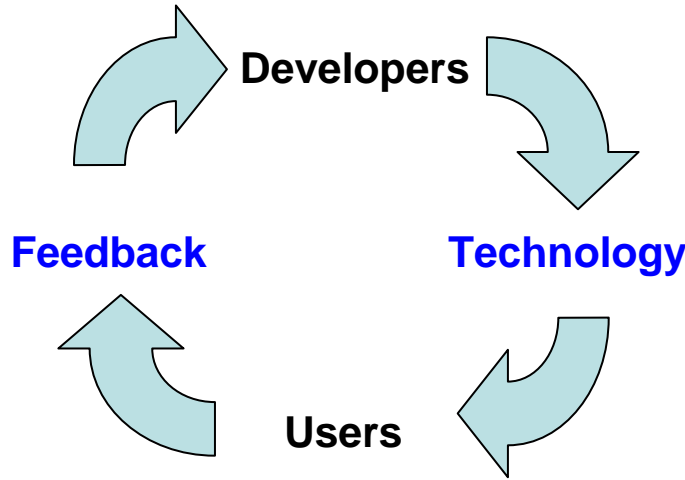


# ROBOTIC SYSTEMS POOL TECHNOLOGY OUTREACH



Accelerates the technological advance of US military forces and law enforcement by purchasing the latest robotic technology and making it available to government agencies.

- Provides government agencies at all levels with the opportunity to evaluate and experiment with mobile robots in their own unique operational domains.
- Users can make appropriate acquisitions of robots based on their experience.
- Robot Developers benefit from the users feedback and recommendations, enabling them to improve their designs and better meet the emerging needs.



**Inuktun**



**Foster-Miller**



**iRobot**



**SSC San Diego**



**Utah State University**

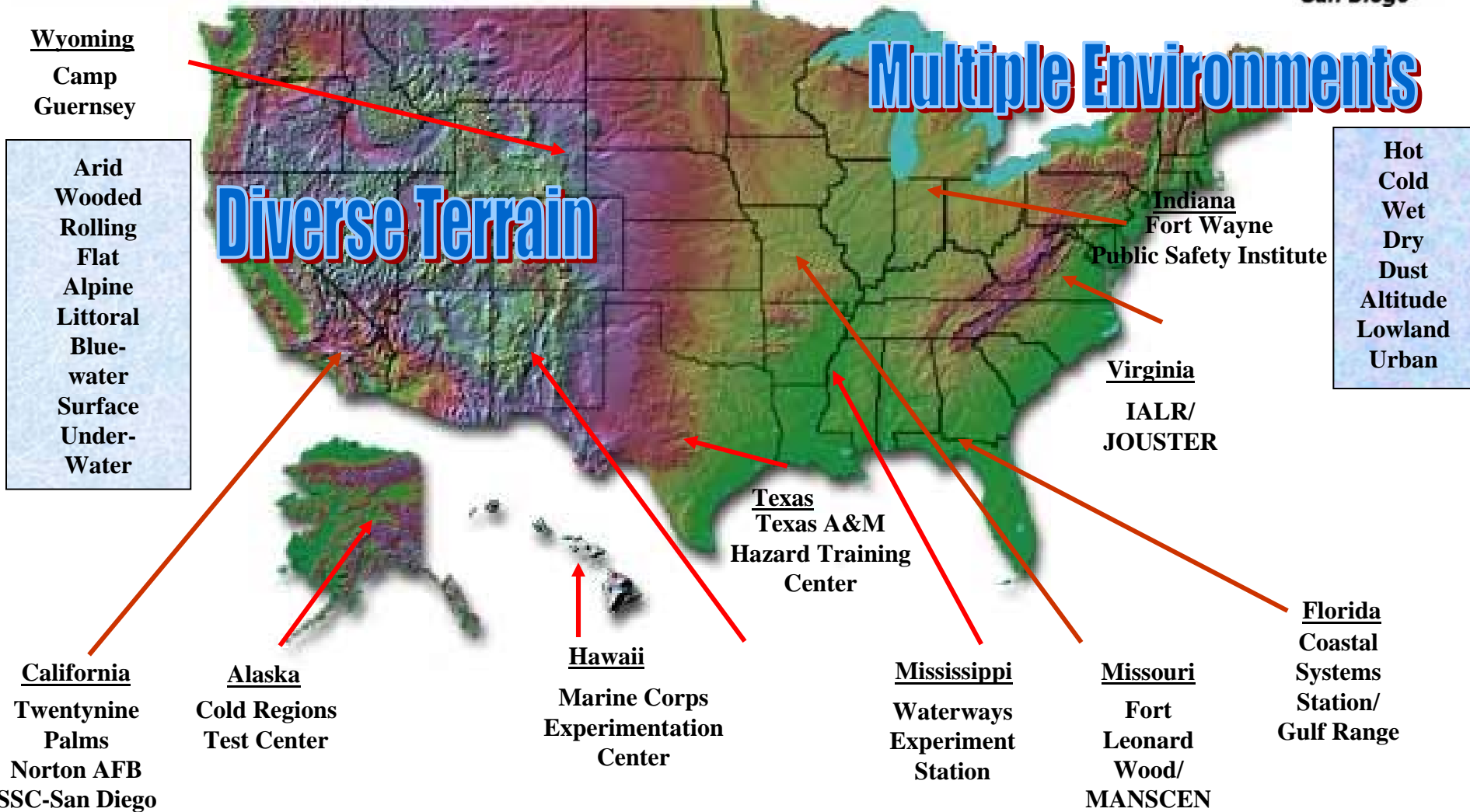
**World Trade Center    Iraq/Afghanistan**



# ROBOTIC SYSTEMS POOL LOAN PROCEDURES

- Review the Robotic Systems Technology Website:  
<https://robot.spawar.navy.mil/>
- Consider your operational requirements.
- Select a robot from the SMR Pool that most closely meets your needs.
- Plan an experiment to test the robot in your operational context.
- Request the loan of the selected robot.
- Sign your individualized Bailment Agreement.
- Receive the robot and check it out.
- Report any problems to SSC San Diego.
- Perform your experiment.
- Report the results of your experiment back to SSC San Diego.
- Ship the robot back to SSC San Diego.
- Acquire new robots as appropriate to meet your operational requirements based on the lessons learned from your experiment.
- Ask for assistance, if needed from SSC San Diego at any time during this procedure.

# UNMANNED SYSTEMS EXPERIMENTATION AND TECHNOLOGY EVALUATION ENVIRONMENT



# TECHNOLOGY OUTREACH STRATEGY

- Robotic Systems Pool
  - Provides DoD, OGA, and state/local organization access to evaluate advanced UxS's
  - Expanding from UGS's to UAV's/UUS's with plan's for USV's
  - Links developers to customers to facilitate final product design
  - Supports the consolidation of UxS demand to enable efficient production operations and lower procurement costs
- Technology Outreach and Evaluation Centers
  - Provides Joint Service and regional access to UxS's
  - Center operating environment supports experiments with all UxS domains
  - Provides regional reserve capacity for national/state/local agencies to draw upon in contingency situations