US Southern Command
Science, Technology & Experimentation Division
Mr. Juan Hurtado
Command Science Advisor
• Latin America, the Caribbean, and the U.S. share common interests and security concerns.
• Transnational challenges require cooperative action with and among nations.
• Security is the foundation for stable, prosperous and democratic institutions.
• SOUTHCOM is committed to building and sustaining enduring relationships.
• Illicit trafficking provides a possible nexus for transnational terrorism and the proliferation of weapons of mass destruction. This nexus presents a potentially serious threat to the U.S. and our partners.

General John F. Kelly, USMC
Commander
A Diverse Region

• **Area of Responsibility (AOR)**
  – 1/6th of earth’s surface (7.2M mi$^2$ of land)
  – 31 countries
  – 15 Dependencies & Areas of Special Sovereignty

• **Demographics**
  – 486 million people
  – 200+ million Portuguese speakers
  – 45+ million indigenous peoples

• **Economics**
  – 9 of 19 U.S. FTAs include AOR nations
  – ~ 10% of U.S. trade
  – ~ 30% of U.S. energy imports
  – > $38 billion in remittances

• **Cultural Ties**
  – U.S. has the 2nd largest Spanish-speaking population in the world
  – Estimated U.S. will be 30% Hispanic by 2050
Mission & Focus Areas

Countering Transnational Organized Crime

Humanitarian Assistance / Disaster Relief

Supporting Regional Security Initiatives

Training & Exercises

Multinational Engagements

Human Rights
Science & Technology Mission

• Investigate, coordinate, execute, and assess S&T activities in support of SOUTHCOM missions

• Transform plans, programs, and processes to improve their effectiveness and efficiency

• Execute the theater's S&T program, Joint Capability Technology Demonstrations, International Research and Development activities, and Joint Experimentation Program
Foliage Penetration Technologies
Capability to operate in areas with moderate to heavy foliage

Wide-Area Persistent ISR
Detecting, tracking, and identifying targets of interest across vast areas

S&T Priorities
Information Sharing And Collaboration
Leveraging unclassified information sharing capabilities to inform command planning and facilitate information sharing with Partner Nations, Government Agencies, Non-Governmental Organizations and Industry.

Cyber Security
Assuring access and freedom of operation in cyberspace to enable command and control of military operations.
S&T Priorities (continued)

Partner Nation Support to Counter Transnational Organized Crime

Medical Support to Civil Authorities
Documenting foreign civilian patient encounters in Foreign Humanitarian Assistance / Disaster Relief, Humanitarian and Civic Action, and Defense Support of Civil Authorities situations and equipping aid providers with the means to communicate fluently with patients.
Unmanned Systems
Employing unmanned systems to increase the efficiency and effectiveness of limited forces assigned to the theater

Counter-Improvised Explosive Device
Supporting Partner Nations in theater
Energy and Environmental Security
Predicting and mitigating rapid, destabilizing energy and environmental changes