

# Office of Nonproliferation and International Security (NIS)

**Mission:** Prevent the proliferation of WMD by strengthening the nonproliferation, nuclear security and arms control regime.

**Goals:** Apply program, technology and policy expertise to:

**Safeguard and Secure nuclear material to prevent its diversion, theft and sabotage.**

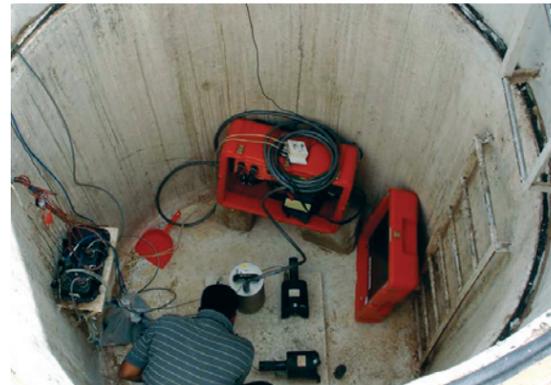
**Control the spread of WMD-related material, equipment, technology and expertise.**

**Negotiate, monitor and verify compliance with international nonproliferation and arms control treaties and agreements.**

**Develop and implement DOE/NNSA nonproliferation and arms control policy to reduce the risk of weapons of mass destruction.**



A backpack mounted Laser Induced Breakdown Spectroscopy (LIBS) system used to address the needs of environmental sampling and analysis.



Installation of a seismic recorder in the Middle East.



A U.S. monitor observes HEU metal oxidation.



President Obama speaks in Prague - April 2009.

## Nuclear Safeguards and Security

**Challenge:** The international safeguards and security system is being challenged by evolving proliferation threats, expanding International Atomic Energy Agency (IAEA) responsibilities, the diffusion of sensitive technology via illicit networks, a retiring safeguards workforce, insufficient R&D, and an increasing threat of nuclear terrorism.

**Response:** Revitalize, strengthen and sustain the U.S. safeguards and security capabilities through the Next Generation Safeguards Initiative (NGSI) and International Nuclear Security programs that:

- Support the development of sound safeguards and security policies, concepts and approaches
- Develop human capital through training and education
- Develop and implement new safeguards systems, technologies and infrastructure
- Support international safeguards and nuclear infrastructure development that emphasizes safeguards and security
- Implement U.S. safeguards obligations
- Strengthen the security of nuclear materials and facilities worldwide

## Nuclear Controls

**Challenge:** Terrorist groups and some states are attempting to acquire WMD materials and technology through illicit networks or by diversion from nuclear states.

**Response:** Build global capacity to prevent the diversion and spread of nuclear materials knowledge and expertise through programs that work with international partners to:

- Strengthen U.S. Government capacity to detect and prevent WMD-related commodity and technology transfers to foreign programs of concern
- Strengthen foreign partner capacity to detect and prevent illicit trafficking of WMD-related material, equipment and technology
- Mitigate risk of expertise proliferation through science and technology collaboration and partnerships
- Build trust, transparency and capacity among indigenous science and technology communities to help strengthen compliance with nonproliferation and arms control regimes and advance U.S. Government security initiatives

## Nuclear Verification

**Challenge:** The United States must maintain the ability to verify nuclear reduction agreements and detect violations of treaties and other commitments, as well as other activities in violation of international law.

**Response:** Develop and deploy measures to ensure verifiable compliance with treaties and other international agreements through programs that:

- Develop negotiation and ratification strategies to achieve U.S. national security objectives for nonproliferation and arms control treaties and agreements
- Develop technologies tailored for monitoring compliance with nonproliferation and arms control treaties and agreements and detecting potential clandestine weapons programs or illicit diversions
- Provide policy, technical and implementation expertise to support nonproliferation and arms control treaties and agreements

## Nonproliferation Policy

**Challenge:** Containing global proliferation and implementing the Administration's initiatives requires development of innovative policies and approaches.

**Response:** Focus scientific and technology capabilities to advance U.S. nonproliferation and arms control policy through programs that:

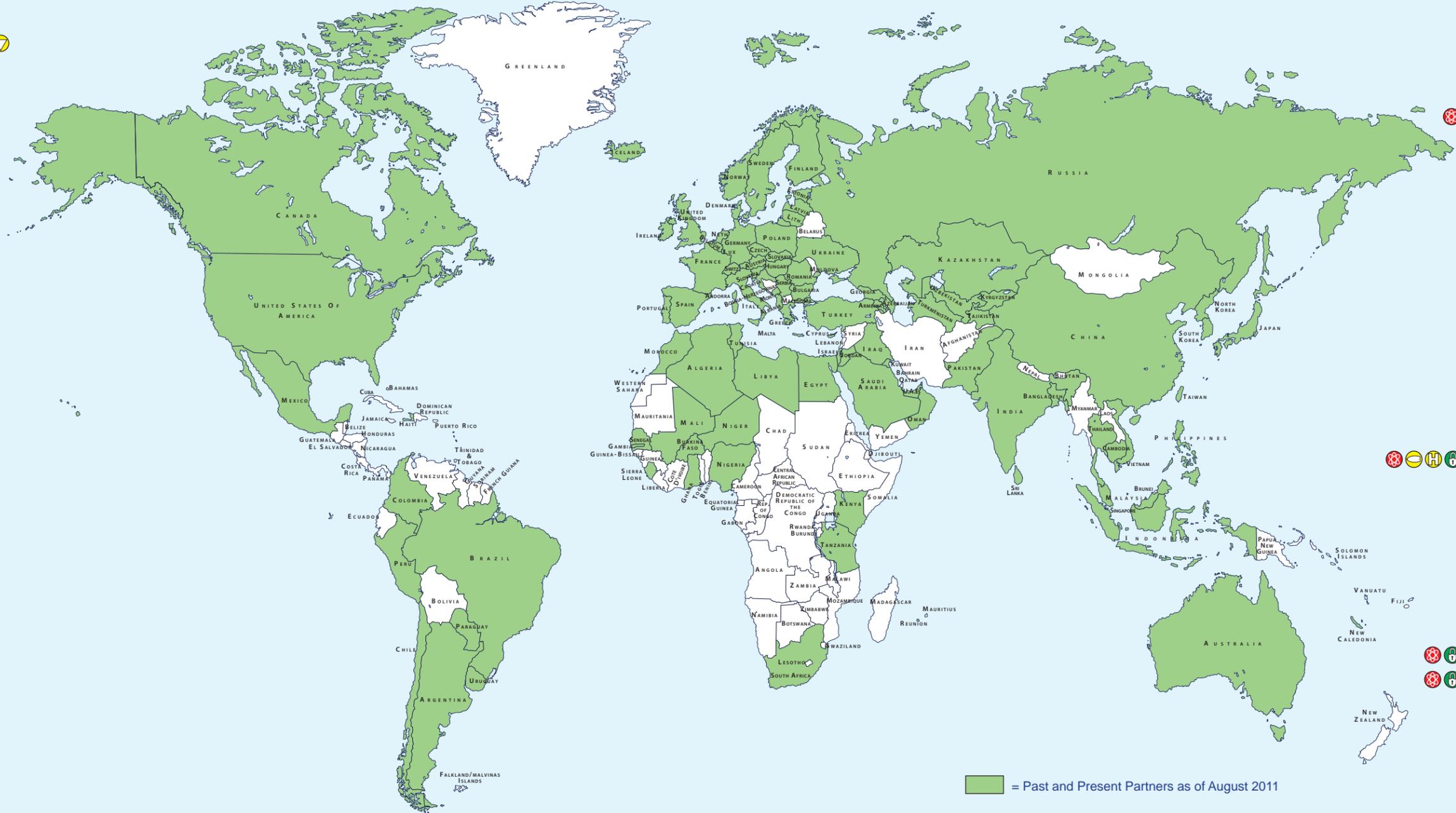
- Advance high-level policy priorities with interagency and international partners
- Provide policy support to shape U.S. nonproliferation and arms control negotiations
- Strengthen and enhance multilateral supplier regimes



# Office of Nonproliferation and International Security (NIS)



- Albania
- Algeria
- Argentina
- Armenia
- ASEAN
- Australia
- Austria
- Azerbaijan
- Bangladesh
- Belgium
- Brazil
- Bulgaria
- Burkina Faso
- Cambodia
- Canada
- Chile
- China
- Colombia
- Croatia
- Cyprus
- Czech Rep.
- Denmark
- Egypt
- Estonia
- Euratom
- Finland
- France
- Gambia
- Georgia
- Germany
- Ghana
- Greece
- Hungary
- IAEA
- Iceland
- India
- Indonesia
- Iraq
- Ireland
- Israel
- Italy
- Japan
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Kyrgyzstan
- Latvia
- Libya
- Liechtenstein



- Lithuania
- Luxembourg
- Macedonia
- Malaysia
- Mali
- Mexico
- Moldova
- Montenegro
- Morocco
- Netherlands
- Niger
- Nigeria
- North Korea
- Norway
- Oman
- Pakistan
- Paraguay
- Peru
- Philippines
- Poland
- Portugal
- Romania
- Russia
- Saudi Arabia
- Senegal
- Serbia
- Sierra Leone
- Singapore
- Slovakia
- Slovenia
- South Africa
- South Korea
- Spain
- Sri Lanka
- Sweden
- Switzerland
- Taiwan
- Tajikistan
- Tanzania
- Thailand
- Tunisia
- Turkey
- Turkmenistan
- Ukraine
- UAE
- United Kingdom
- United States
- Uruguay
- Uzbekistan
- Vietnam

### NIS Programs

= Nonproliferation Policy	= Office of Nuclear Safeguards & Security	= Office of Nuclear Controls	= Office of Nuclear Verification
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Confidence Building Measures Program (22)	International Nonproliferation Export Control Program (85)
Nuclear Noncompliance Verification (9)	International Nuclear Security (56)
Warhead and Fissile Material Transparency (3)	Next Generation Safeguards Initiative (28)
Highly Enriched Uranium Transparency Program (2)	Section 123 Agreements for Cooperation (25)
	Global Initiatives for Proliferation Prevention (10)

(#) = Number of Current Partners