



The Evolution of Nuclear Security: From Sites to Summitry

23rd WiN Global Annual Conference:
Women in Nuclear Meet Atoms for Peace

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Mandatory Disclaimer



- ***Views are my own, and do not necessarily reflect the National Nuclear Security Administration or the Department of Energy***

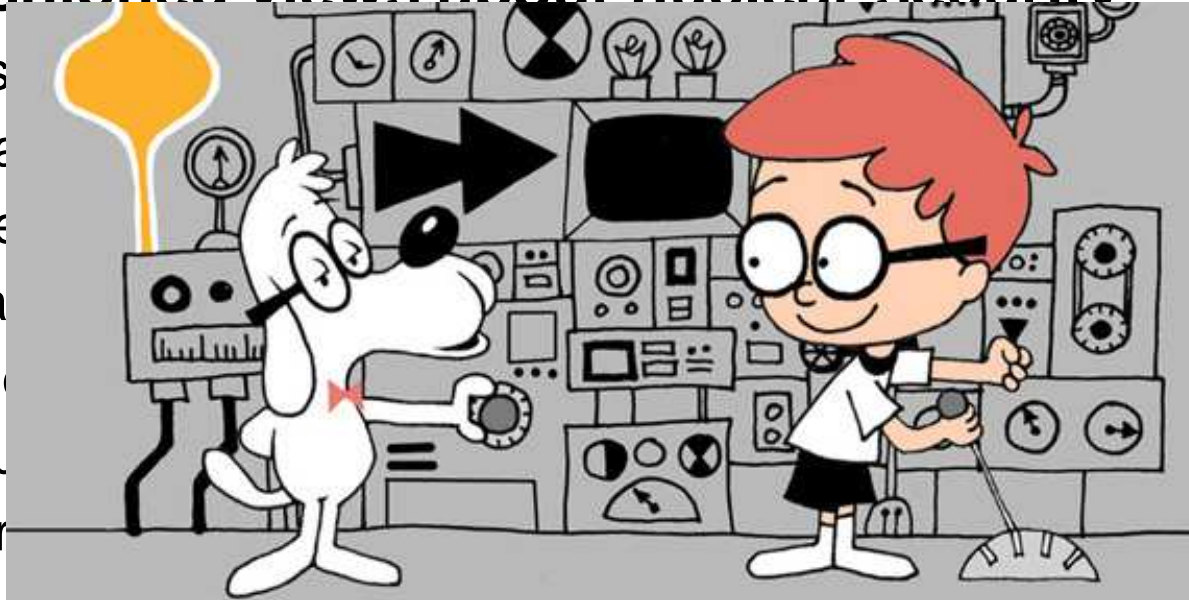


A Trip in the Way Back Machine



- **Old-Fashioned views about nuclear security**

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- *Security department was the place to put the person with a bad back, a bad attitude, or both.*



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Nuclear Security Summits



“So today I am announcing a new international effort to secure all vulnerable nuclear material around the world within four years...And we should start by having a Global Summit on Nuclear Security that the United States will host within the next year.”





2010 Washington Nuclear Security Summit



- 50 world leaders, 3 international organizations
- “House gifts” and other national commitments – over 90% completed by 2012 Summit
- Outcomes -- material removed or eliminated, treaties ratified and implemented (CPPNM/A), reactors converted, regulations strengthened, “Centers of Excellence” launched



2012 Seoul Nuclear Security Summit



- 53 Countries and 3 IOs
- More than 100 national commitments
- 13 “gift baskets” pushing beyond the consensus boundaries of the Communique



2014 Hague Nuclear Security Summit



- 53 countries, 4 IOs
- Tangible Outcomes:
 - Announced removals of HEU and Pu
 - Security at sites and on borders is increasing
 - The global nuclear security architecture continues to be strengthened
 - Radioactive source security enhanced
 - 35 countries pledged to implement stronger nuclear security practices
 - Baby steps on military materials and non-accumulation of separated plutonium.
- Radiological terrorism exercise



Looking Ahead to 2016



- March 30-April 1 in Washington, DC
- Focus on sustainability through the global nuclear security architecture.
 - IAEA, UN, INTERPOL, GICNT and GP
- Communique



Since 2010...so far



- **> 2.5 metric tons** of vulnerable HEU and plutonium material have been removed or disposed of
- **Seven countries** – Austria, Czech Republic, Hungary, Mexico, Serbia, Ukraine, and Vietnam – have become **HEU-free***
- Physical security upgrades have been completed at **32 buildings** storing weapons-usable fissile materials
- Radiation detection equipment has been installed at **250 international border crossings**, airports, and seaports to combat illicit trafficking in nuclear materials



Back Where We Started – Security Begins at the Site



- **No matter what the Presidents and Prime Ministers say at a the NSS, the material is in the custody of facilities, in the control of individuals**
- **“Security Culture” is vital for implementation and sustainability**
- **Demonstrable competence should be a principle at all levels of security management**
- **Everyone has a role to play, no matter where you sit**



THANK YOU



Comments or Questions?

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