The Next Step for Arms Control A Nuclear Control Regime

Jan Lodal and Richard Burt

The Breakings broken time June 26, 2012











- Arms Control Agenda

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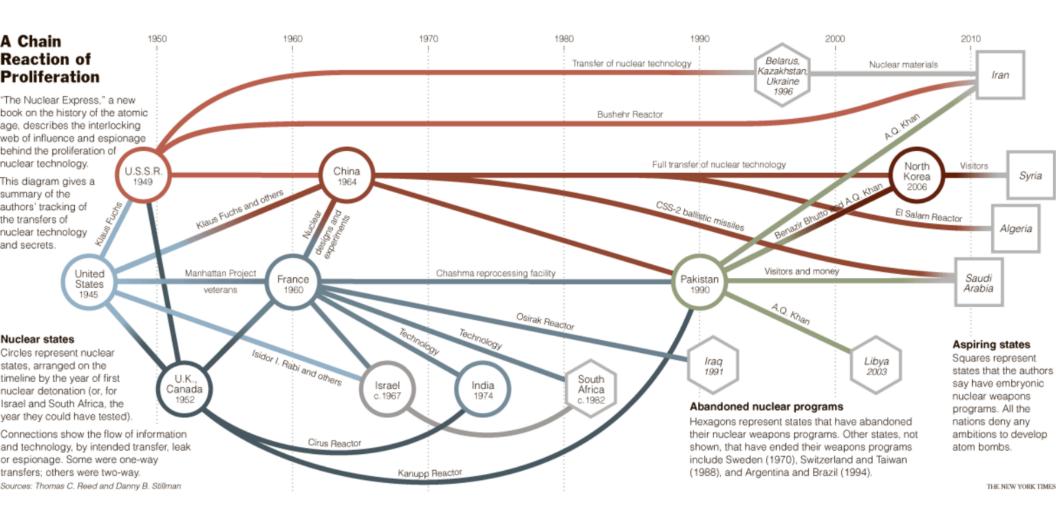


The Next Step for Arms Control

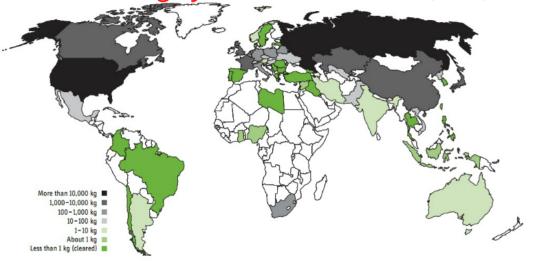
A Nuclear Control Regime

Jan Lodal and Richard Burt

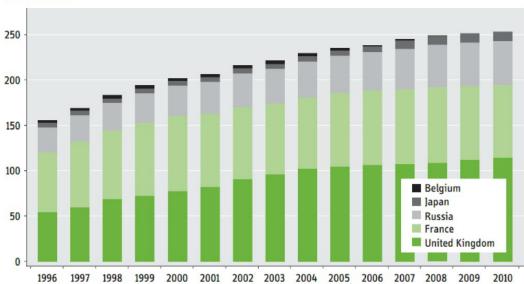
The Brookings Institution June 28, 2012



Civilian Highly Enriched Uranium (HEU)



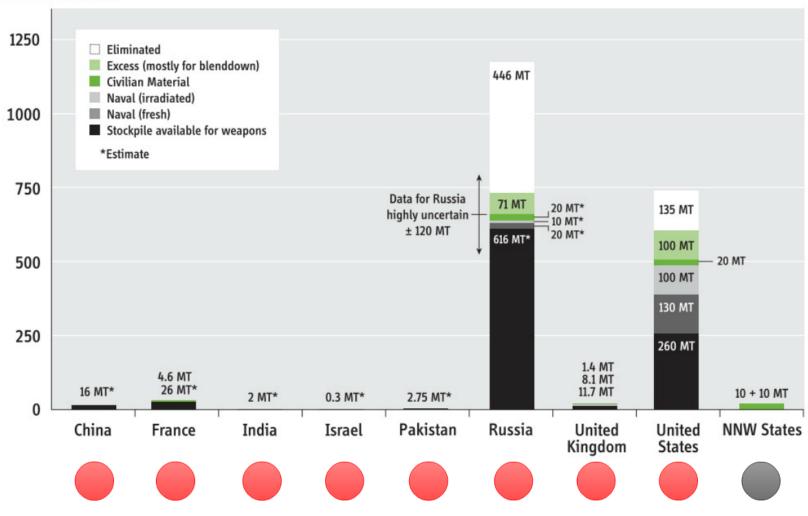




Source: International Panel on Fissile Materials

Highly Enriched Uranium



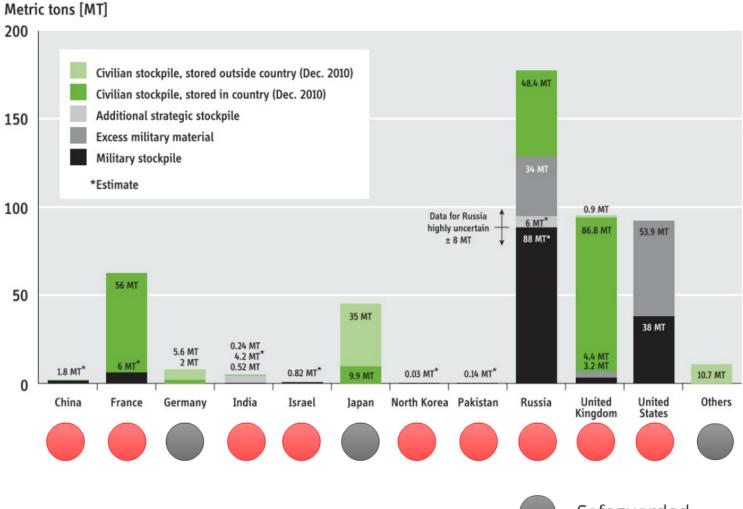


= Safeguarded

= Some unsafeguarded material

Source: International Panel on Fissile Materials

Plutonium

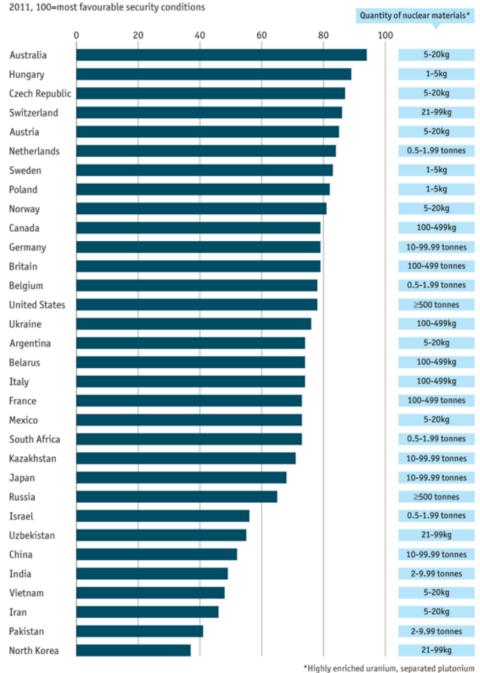


= Safeguarded

= Some unsafeguarded material

Source: International Panel on Fissile Materials

Security of global weapons-usable nuclear materials



Source: Nuclear Threat Initiative, Economist Intelligence Unit

*Highly enriched uranium, separated plutonium and unirradiated mixed oxide

Arms Control Agenda

- Deeper US-Russia reductions
- Nuclear Nonproliferation Treaty
- Fissile Materials Treaty
- Comprehensive Nuclear Test-Ban Treaty
- Nuclear Suppliers Group
- IAEA Efforts: INFCIRC 225, Add. Protocol
- Convention for the Suppression of Acts of Nuclear Terrorism
- Convention on the Physical Protection of Nuclear Material
- Nuclear Security Summit

A successful approach:

- Comprehensive
- Universal
- Enforceable

Comprehensive

- All HEU and Plutonium, no exceptions
- Include material in military use (relying on inventory control with challenge inspections for warheads)

Universal

- Logic of nuclear deterrence: one unsafeguarded program would threaten others
- Selective obligations make for difficult diplomacy
- Better safety and security needed for all states

Enforceable

- Not effective without consequences for rule-breakers
- Need veto-free UN Authority
- Enforcement in four stages:
 - 1. International monitoring
 - 2. Determination if violation has occurred
 - 3. Agency definition of enforcement options
 - 4. Enforcement by UNSC-authorized coalition

Add:

Enforcement

Verification of all military related nuclear material

Package with:

IAEA Additional Protocol Nuclear Suppliers Group guidelines

UNSCR 1540

Convention on Physical Protection of Nuclear Material

Foundation:

International Atomic Energy Agency Nuclear Nonproliferation Treaty



2012 Seoul Summit

Modest voluntary commitments

Entry into force by 2014 of Convention for the Physical Protection of Nuclear Materials

National pledges to eliminate weapons material

A Global Nuclear Control Regime is necessary.

- To keep terrorists from getting fissile material
- To prevent a second A.Q. Khan network
- To help verify a path to global zero
- To create a framework for other initiatives
- To remove diplomatic barriers to progress

Wrap-up

- Current Efforts are Inadequate. Results will be
 - Not Comprehensive
 - Not Universal
 - Not Enforcable
- The New Regime will not constrain any state's nuclear program
- The basis for verification is in place
- The U.S. must lead by accepting the rules
- As more states accede, pressure on outliers can be increases
- The alternative is a terrorist bomb