International initiatives since 09/11 –

Feedback from GICNT and other Workshops

Gisela Stoppa

Division Supervision in the Field of Radiological Protection

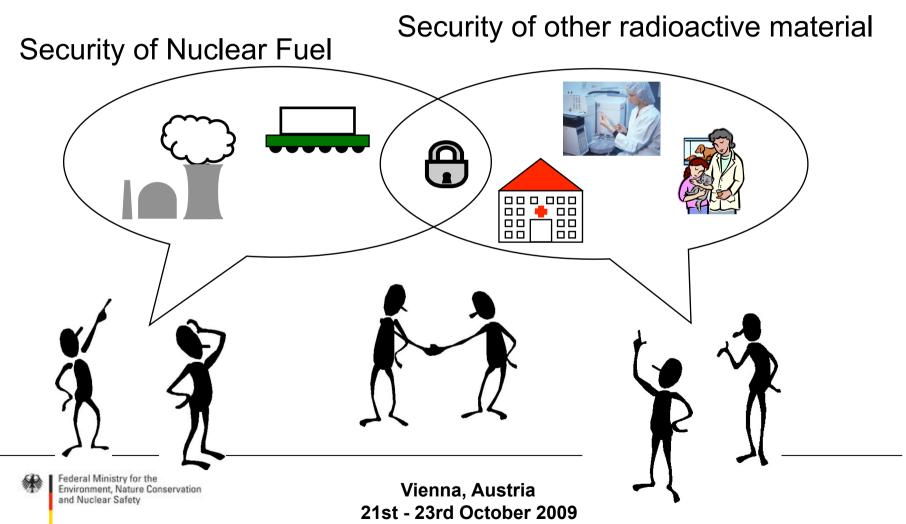
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety



The IAEA "Code of Conduct on Safety and Security of radioactive sources" defines :

"Security" means measures to prevent unauthorized access or damage to, and loss, theft or unauthorized transfer of radioactive sources.



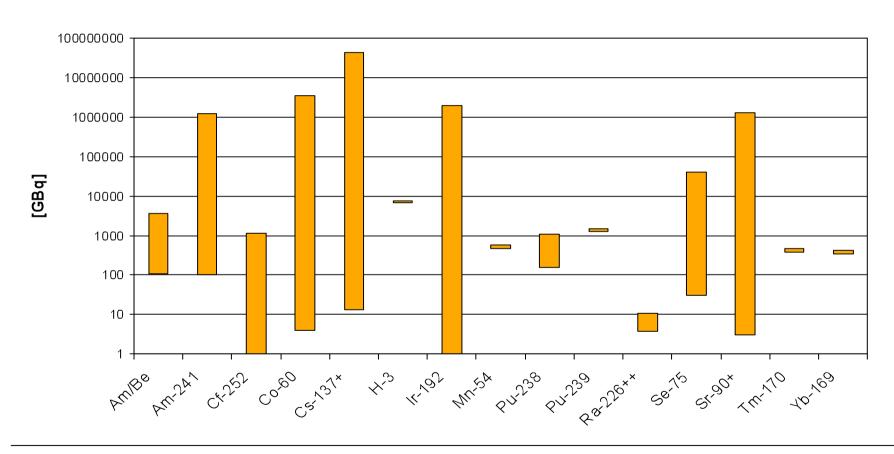


German Register of High Radioactive Sealed Sources

- > 8 000 High Radioactive Sealed Sources
 - **47** Competent Authorities
 - 536 Licensees



Distribution of Activity in presently registered high-activity sealed sources





Global Initiative to Combat Nuclear Terrorism

Announced by President Bush and President Putin July 15, 2006

"The greatest threat we face today is the possibility of a secret and sudden attack with chemical, biological, radiological, or nuclear weapons."

White house, Office of the Press Secretary, July 15, 2006



Global Initiative to Combat Nuclear Terrorism Statement of Principles (Extract)

- Improve accounting, control, and physical protection of nuclear material and radioactive substances
- Improve capabilities of participants of the Initiative to search for, confiscate, and establish safe control over unlawfully held radioactive materials and substances or devices using them.
- Ensure adequate national legal and regulatory frameworks



Global Initiative to Combat Nuclear Terrorism

- Workshop on "Safety and Security of High-Activity Radioactive Sources – Operation of a National Register";
 December 2007 Munich, Germany
- Conference "Security of Radioactive Sources" June 2008, Ottawa, Canada.
- Seminar on "Preventing illicit trafficking in nuclear and radioactive materials"; June 2009, Rabat, Morocco



Global Initiative to Combat Nuclear Terrorism Conclusions

- Keeping control over radioactive Sources is very important
- Improvement of physical protection of radioactive is necessary
- Raising Awareness for potential malicious use
- Market exists for illicit trafficking of nuclear and radioactive material



CBRN Task Force



CBRN Task Force



Start February 2008



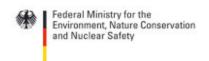
CBRN TASK FORCE

Goal:

Create Policy package on enhancing the security of Chemical, Biological, Radiological and Nuclear materials (CBRN) in the European

Union, including an EU CBRN Action Plan.

264 Recommendations



CBRN
Task Force

Current Status and next steps

- Adoption of the CBRN Policy Package and Action Plan by the Euopean Commission
 - -> June 2009
- Negotiations of the Council conclusions and the EU CBRN Action Plan
 - -> Second half of 2009
- Adoption of the Council conclusions and approval of the EU CBRN Action Plan
 - -> by End of 2009
- Start of Implementation
 - **-> 2010**



98 Recommendation for R/N !!

Prevention

- Definition of relevant radioactive Sources
- Enhancement of physical protection of sources
- Enhancement of control over sources
- Enhancement of information exchange

CBRN Task Force

Detection

- Definition of testing and trialing schemes for detection equipment
- Identification of Best Practices in the field of detection
- Border Monitoring

Preparedness / Response

- Improve international Information flow in case of CBRN events
- Strenghen EU-Capacities for counter measures



Example

Co-60 contaminates stainless steel in Germany

Melting Plant





Photo: www. provider-stoerung.de

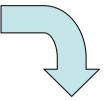
Scrap Yard





Photo: www.manager-magazin.de (Reuters)

Product





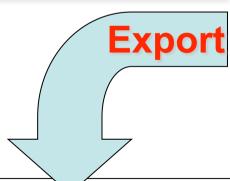




Photo: www.purso.fi

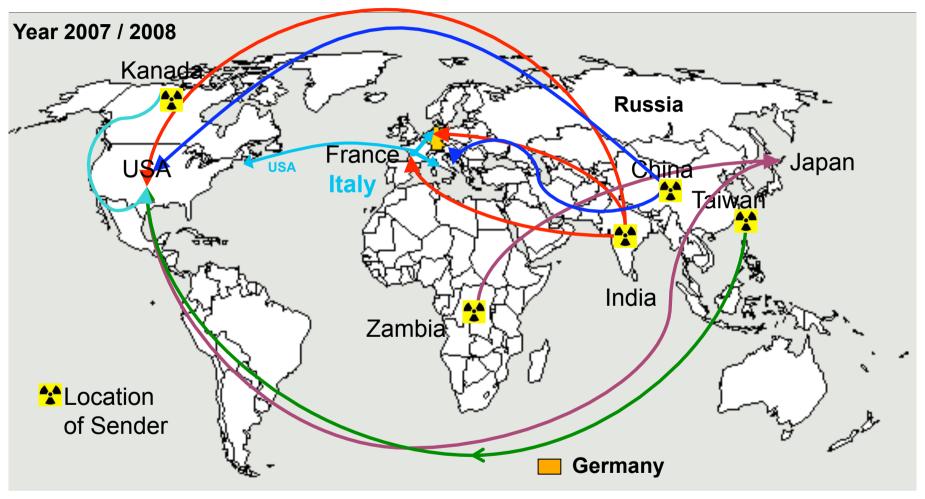


Co-60
Contaminated
Stainless Steel
found
in
Germany

180 tons of material
Activities up to 600 Bq/g

Status as of 9th Feb. 2009









Prevent gradual increase of contamination in our environment.

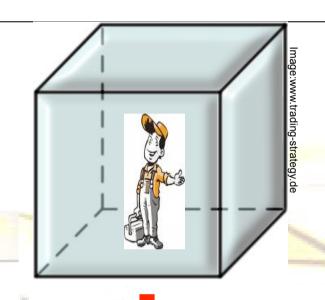
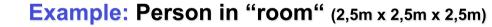




Photo: www.weltderphysik.de



Walls: 2 mm stainless steel with activity 10 Bq/g

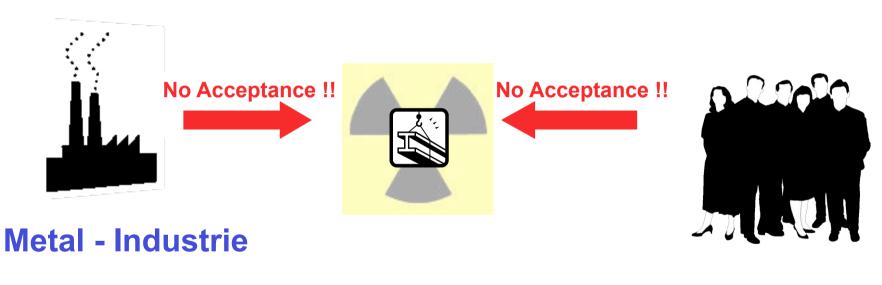
Dose: > 1 mSv per year

Working time: 1800 h/a

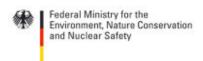
(e. g. truck, kitchen, engine room on ship or industry, elevator)



Absence of any contamination !!!







Thank you very much for your attention!