



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

The Incident and Trafficking Database (ITDB)

Workshop “Encouraging Dialogue Between Law Enforcement,
Regulators and Operators to Strengthen Radioactive Source
Security”

10 - 12 June 2024

Ms Anna GREDINGER
Nuclear Security Information Officer
Division of Nuclear Security
Department of Nuclear Safety and Security

What if...



Loss of
Regulatory
Control

What if...



Loss of
Regulatory
Control



Opportunistic
Middle
Man

What if...



Loss of
Regulatory
Control



Opportunistic
Middle
Man



Non-State
Actor
(Internet)

What if...



Loss of
Regulatory
Control



Opportunistic
Middle
Man



Non-State
Actor
(Dark Web)



Malicious
Act

What if...



Catastrophic Chain of Events



Loss of
Regulatory
Control



Opportunistic
Middle
Man



Non-State
Actor
(Dark Web)



Malicious
Act

Incidents of
nuclear and other radioactive
material
out of regulatory control
(MORC)



Unique

Authoritative
information in the
CBRN area



Incident and Trafficking Database

Unique

Authoritative
information in the
CBRN area



ITDB POC Network

145 States



Incident and Trafficking Database



Unique

Authoritative
information in the
CBRN area



ITDB POC Network

145 States

A photograph of a person's hands holding two white cards labeled "EVIDENCE" with various fields for information, set against a background of laboratory equipment.

IAEA Incident and Trafficking Database (ITDB) 2024 Factsheet

Incidents of nuclear and other radioactive material out of regulatory control

The IAEA Incident and Trafficking Database (ITDB) is a component of the IAEA information management systems and supports the implementation of the IAEA Nuclear Security Plan. The ITDB contains authoritative information, voluntarily reported by participating States through their officially nominated Points of Contact (PoCs). This information is disseminated through the IAEA to participating States and relevant international organizations.

Following the joining of Somalia and Togo, the number of ITDB participating States increased to 145 in 2023.

The information in this Factsheet summarizes the details of confirmed incidents, as voluntarily reported by the participating States, and represents a cross-section of the aggregated ITDB data that has been made available for the public domain.

Scope of the ITDB

As originally established, the ITDB recorded incidents of illicit trafficking of nuclear and other radioactive material. Its scope was later expanded to include all incidents in which nuclear and other radioactive material is or was out of regulatory control.

The ITDB scope covers all types of nuclear material as defined by the Statute of the Agency (i.e. uranium, plutonium and thorium), naturally occurring and artificially produced radioisotopes and radioactively contaminated material, such as scrap metal. States are also encouraged to voluntarily report incidents involving scams or hoaxes where material is purported to be nuclear or otherwise radioactive.

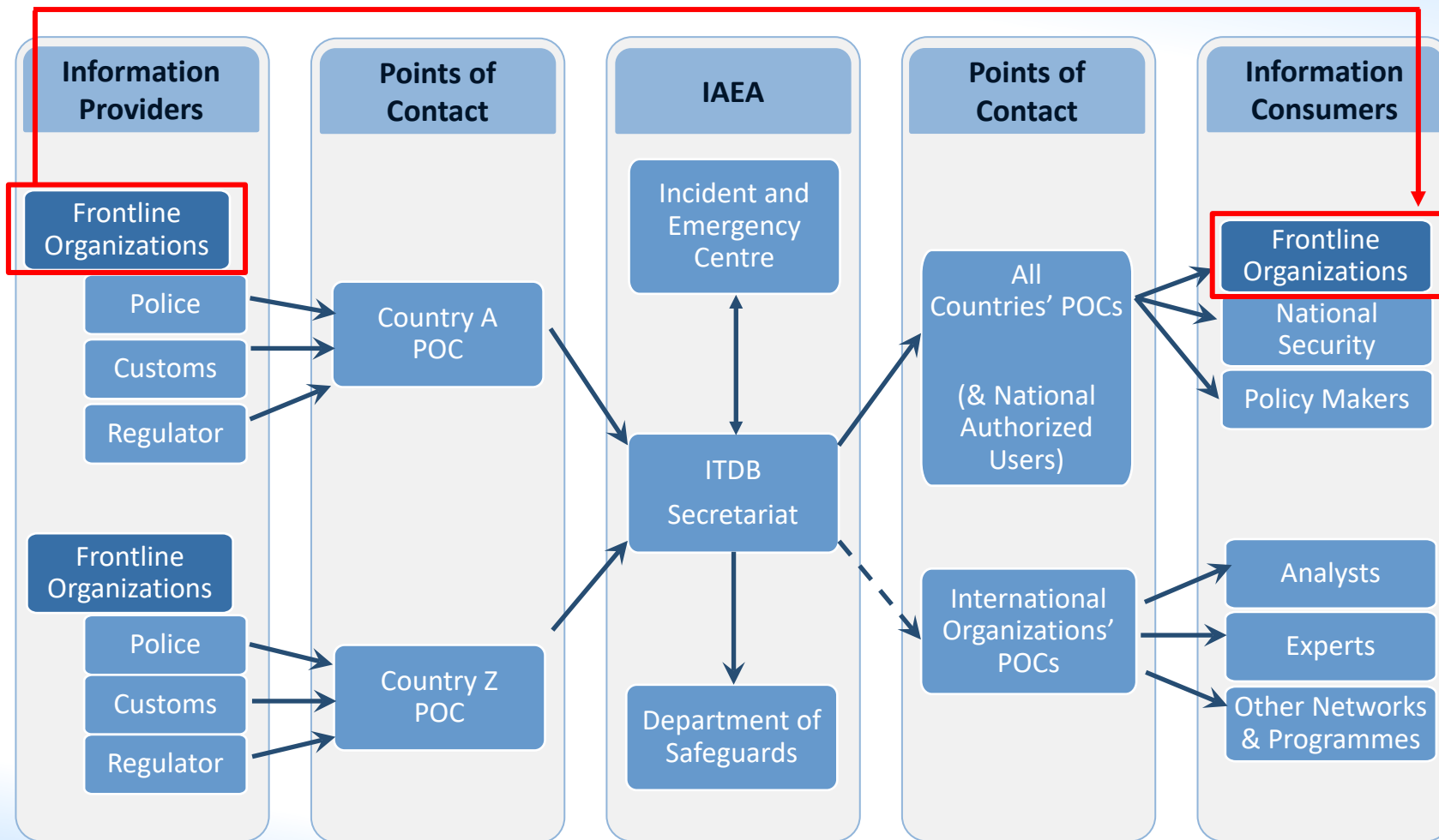
Communication with participating States is maintained through the network of national PoCs. The ITDB receives information from PoCs on incidents ranging from illegal possession, attempted sale and smuggling to unauthorized disposal of material and discovery of lost radioactive sources.

The IAEA Secretariat reviews all reported incidents with a view to identify common threats, trends, and patterns; to assist States in determining what actions may need to be taken with respect to particular events or to help formulate policy towards combating illicit trafficking of such materials; and to support the Agency's nuclear security activities.

145
ITDB participating States

Information to the Public

ITDB POC: Information Exchange Network



Unique

Authoritative
information in the
CBRN area



ITDB POC Network

145 States



**MORC
Incidents**

THEFT | LOSS | MISSING

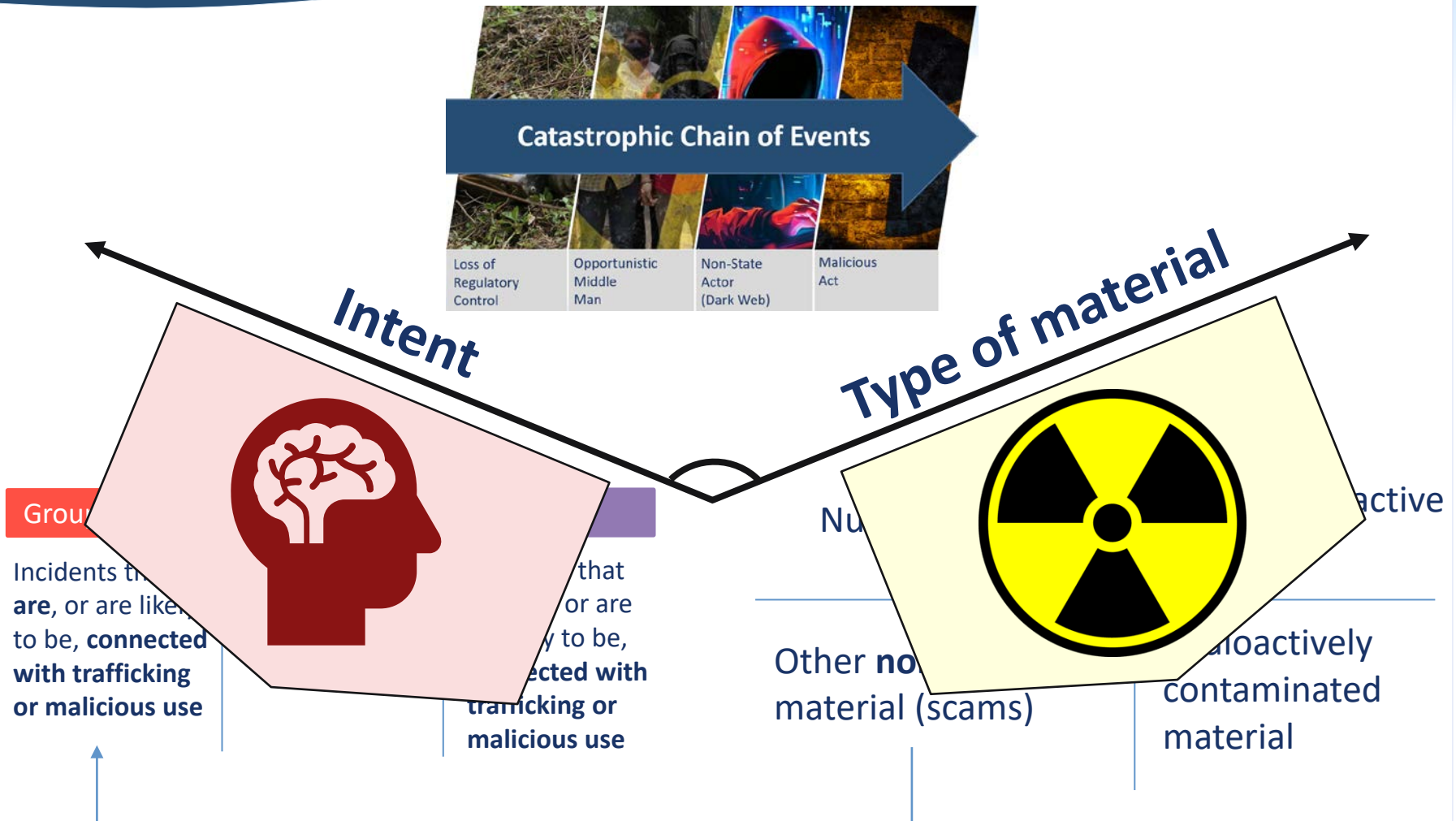
**Regulatory
Control**

**Unauthorized Trade
Unauthorized Possession
Discovery | Unauthorized disposal
Unauthorized shipments**

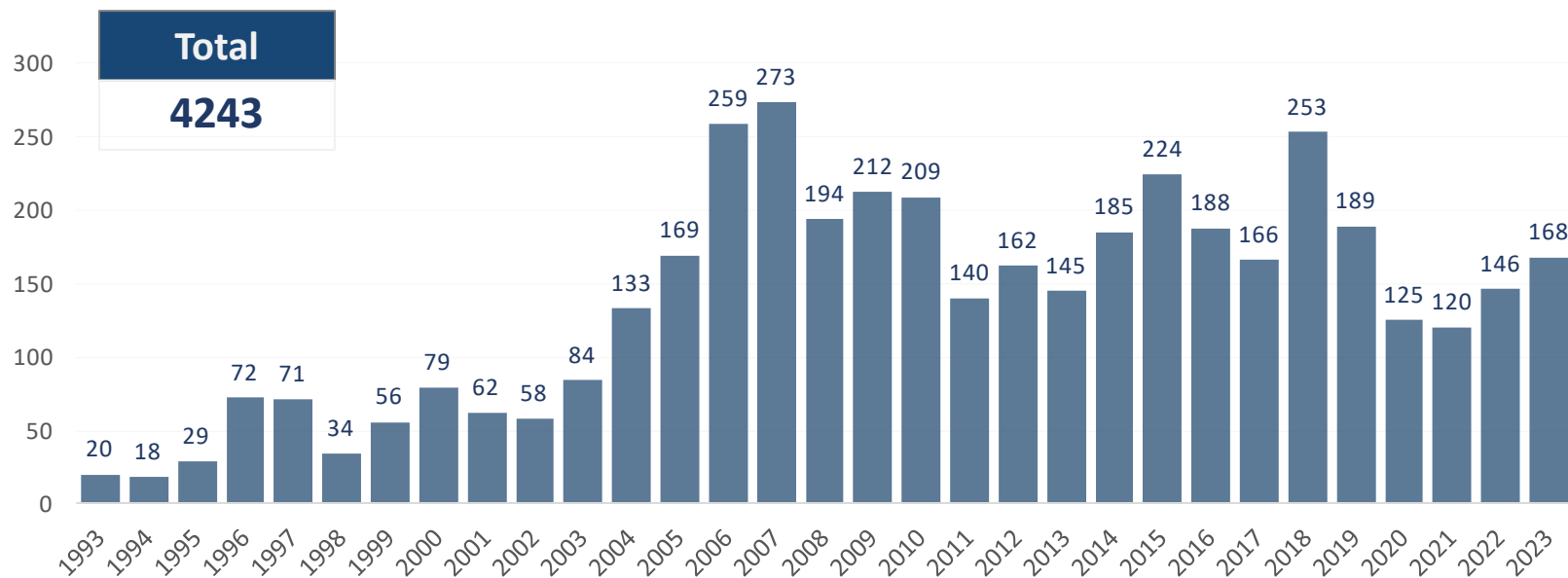
+5 Additional incident types



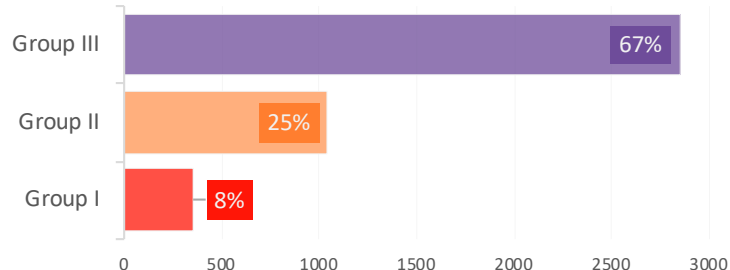
Incidents with MORC



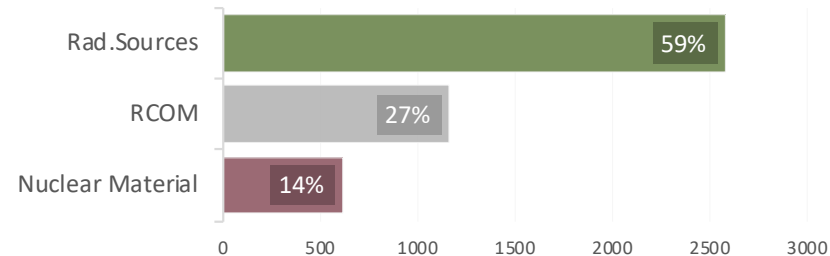
Overview



by Group (criminal intent)



by Type of Material



To conclude...



“...the ITDB System can be **extremely valuable**, not in the sense of being a scoreboard of illicit trafficking, but by being a **weathervane that can point to problems** needing attention ...”

G. M. Moore

Enquiries

IAEA

Division of Nuclear Security

Incidents and Trafficking Database

E-mail: itdb@iaea.org



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Thank you for your attention!