



ANSTO and Nuclear Forensics

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IAEA Regional Training Course on
Practical Introduction to Nuclear
Forensics

Science. Ingenuity. Sustainability.

*"We are leading the
development of forensic
science and
technologies to improve
detection of illicit
nuclear materials"*

Julia Gillard



The Australian model

Radiological crime scene

- Managed and examined by law enforcement
- Support/advice provided by ANSTO as requested



Nuclear/other radioactive material

- Analysis conducted by ANSTO staff
- Guided by investigative questions of law enforcement



Evidence contaminated with radionuclides

- Analysis conducted by law enforcement at ANSTO
- Support and facilities provided by ANSTO



Images courtesy of ANSTO



Nuclear and other radioactive materials analysis



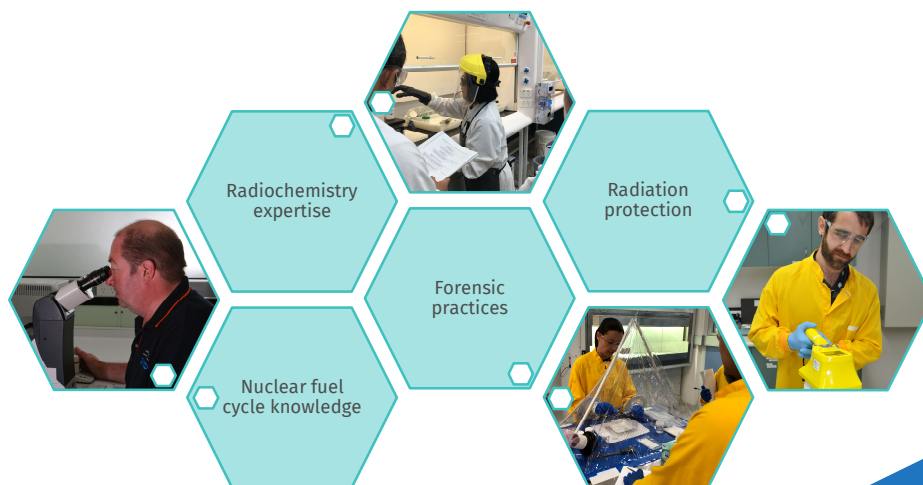
Images courtesy of ANSTO



Diverse, specialised analytical capabilities



Unique skills sets and knowledge



Level 3 Laboratory Exploitation Team



Images courtesy of ANSTO



Partnership

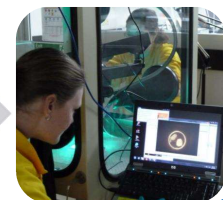
ANSTO

- Safety and regulatory framework for radioactive materials
- Specialised facilities
- Supporting functions (e.g. engineering, security)



Law Enforcement

- Expertise in traditional forensics
- Integration with first responders and legal system
- Quality system and accreditation



Images courtesy of ANSTO



Training and education

Extensive experience delivering hands-on training
with live threats

A range of audiences
domestic and international, from commanders to frontline personnel

ANSTO is a national agency
with long established expertise and unique scientific infrastructure

ANSTO is a leading agency in the region
with links to counter-terrorism authorities world-wide

ANSTO provides best-practice training in radiological detection, crime scene examination and forensics



Image courtesy of ANSTO

