

# Session 2.6

## Overview of Radiation and Nuclear Safety

**Peter Johnston**

**Division of Radiation, Transport and Waste Safety**

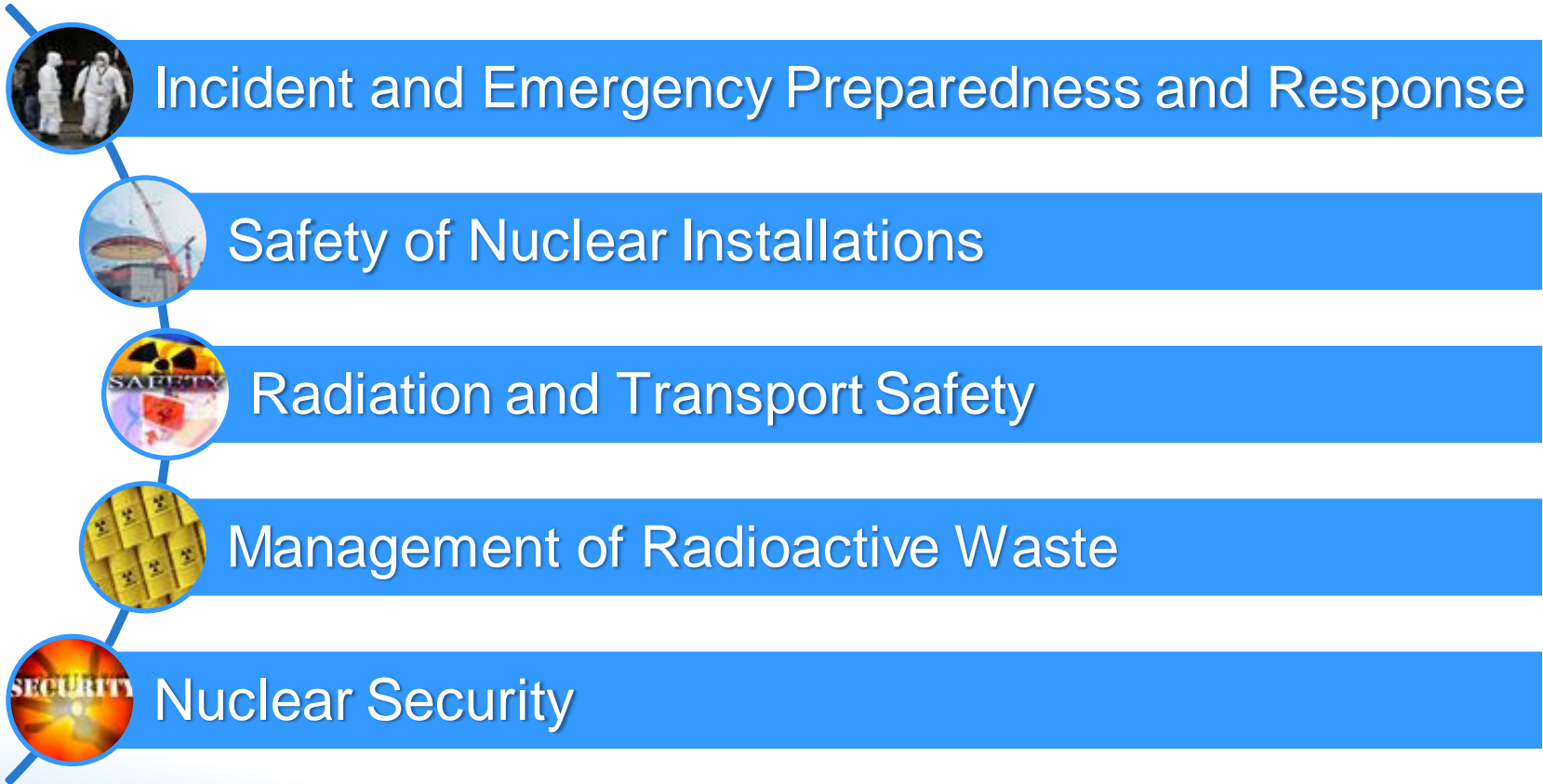
**Department of Nuclear Safety and Security**

**IAEA**



# Nuclear Safety and Security Departmental Programme

- In 2016, **23%** of TC funds were used to finance nuclear safety projects and some safety-security interface activities.



# Safety infrastructure

- A strong regulatory framework is key to nuclear and radiological safety.
- The IAEA supports Member States (MSs) in their work to establish and maintain transparent, open, independent, technically competent and effective regulatory bodies.
- The IAEA Safety Standards and related review services are cornerstones of this support.

## IAEA Safety Standards

for protecting people and the environment

Governmental, Legal  
and Regulatory  
Framework for Safety

## General Safety Requirements

No. GSR Part 1 (Rev. 1)



## IAEA Safety Standards

for protecting people and the environment

Establishing the  
Safety Infrastructure  
for a Nuclear Power  
Programme

## Specific Safety Guide

No. SSG-16



*Peer review and advisory services.*



# Challenges and trends in radiation safety

- Almost **80%** of MSs benefit from Agency assistance but report they need more support to develop a national regulatory infrastructure in line with IAEA safety standards.
- The Agency will strengthen its efforts to:
  - provide, on request, peer reviews and advisory services to assist MSs in further strengthening national regulatory infrastructures;
  - assist MSs in work to foster and sustain a strong safety culture at all levels;
  - offer related education and training;
  - share information, analyses, results and lessons learned from review services through the International Regulatory Network (RegNet).



*Status of progress in establishing a national radiation safety regulatory infrastructure in MS receiving Agency assistance (Oct. 2016).*