Introduction and background

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• Established by UN General Assembly (GA) resolution in 1955
• Scientists from 27 UN Member States
• **Assess levels**, effects & risks of ionizing radiation
  – identify emerging issues
  – improve knowledge
  – identify areas for future research
• Disseminate findings to UN GA, scientific community & public
Scientists from 27 UN States Member + 4 Observers*

- Algeria*
- Argentina
- Australia
- Belarus
- Belgium
- Brazil
- Canada
- China
- Egypt
- Finland
- France
- Germany
- India
- Indonesia
- Iran (IR)*
- Japan
- Mexico
- Norway*
- Pakistan
- Peru
- Poland
- Rep. of Korea
- Russia
- Slovakia
- Spain
- Sudan
- Sweden
- Ukraine
- UAE*
- UK
- USA

Input: Other Member States and international organizations provide relevant data and technical input

UNSCEAR (key work areas)
UNSCEAR Reports on Public Exposure:

- 2008, Annex B: Exposures of the public and workers from various sources of radiation;
- 2000, Annex B: Exposures from natural radiation sources;
- 2000, Annex C: Exposures to the public from man-made sources of radiation;
- 1993, Annex A: Exposures from natural sources of radiation;
- 1993, Annex B: Exposures from man-made sources of radiation;
- 1988, Annex A: Exposures from natural sources of radiation;
UNSCEAR (key work areas)

- Nuclear Accidents
- Weapons Tests
- Medical Exposure
- Occupational Exposure
- Public Exposure
- Electricity Generation
- Natural Radiation Sources
- Radon (Sources and Effects)
- Biological Effects and Mechanisms
- Effects of Children
- Health Effects, Risk Estimates and Uncertainties
- Non-Human Biota and Environment
- Epidemiological Studies
- Hereditary Effects


IAEA International Conference on Radiation Safety: Improving Radiation Protection in Practice
Side event: UNSCEAR Global Survey on Public Exposure
Radiation exposure – global average

**Natural**
- Cosmic
- Terrestrial
  - Radon
  - External
  - Food & drink

2.4 mSv annually

**Artificial**
- Medicine
- Nuclear power
- Industry
- Defense

0.6 mSv annually

Source: UNSCEAR 2008 Report
UNSCAR
United Nations Scientific Committee on the Effects of Atomic Radiation

**UNSCAR 2013 Report**

**Volume II**

**UNSCAR Scientific basis**

**ICRP**
Protection philosophy, principles and units

**ICRP**

**Issues**

**Effects**

**Risks**

**Trends**

**Levels**

**Recommendations**

**IAEA Safety Standards Series**

**International Basic Safety Standards for Protection Against Ionizing Radiation and for the Safety of Radiation Sources**

**IAEA Code of Conduct on the Safety of Research Reactors**

**IAEA Code of Practice for the Safety of Nuclear Medicine Facilities**

**IAEA Code of Practice for the Safety of Nuclear Power Plants**

**ILO convention 115:**
Occupational radiation protection

**FAO/WHO Codex Alimentarius Commission**
Food contamination guides

**UN transport regulations for radioactive material**

*implemented by UN Member States*
Objectives

- Present to you the new public exposure project
- To explain the purpose, scope and plans of the new UNSCEAR Global Survey on Public Exposure to start at the end of 2020 and run next year
- To explain the use of the UNSCEAR online platform for data collection and analysis
- To provide an opportunity to ask questions
  After see www.unscear.org
- To collect feedback and ideas on improvement of UNSCEAR’s online platform with focus on the new UNSCEAR Public Exposure Survey
Thank you!