15th International Congress of the International Radiation Protection Association

Workshop: UNSCEAR Global Survey on Radiation Exposure

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)
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
ICRP
Protection philosophy, principles and units

ICRP
Annals of the ICRP

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

UNSCEAR
Scientific basis

Source, Effects and Risks of Ionizing Radiation
UNSCEAR 2013 Report

Volume II
Scientific Annex
Effects of radiation exposure of children

IAEA
Safety Standards Series

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UNSCEAR Global Survey on Radiation Exposure
Objectives

- To explain the purpose, scope and plans of the UNSCEAR Global Survey on Public Exposure Survey to start in March 2021
- To provide inside in the use of UNSCEAR’s online platform for data collection and analysis
- To provide a better understanding of the current activities and UNSCEAR cooperation with other international organizations (e.g. IAEA, ILO, WHO and IRPA) on conducting Global Surveys on public, medical and occupational exposures
- To provide an opportunity to ask questions

After see also www.unscear.org
Thank you!
Programme:

UNSCEAR Global Surveys on radiation exposure – including practical demonstration of the UNSCEAR online platform for data collection (Ferid Shannoun, UNSCEAR NCP focal point)

UNSCEAR Ad Hoc Working Group on Sources and Exposure: Strategies to improve the data collection for UNSCEAR surveys (Jing Chen, Canada, Vice Chair UNSCEAR)

Experiences with data collection for UNSCEAR surveys (Medical and Occupational) in the Republic of Korea (Jin-Kyung Lee, Republic of Korea, Vice Chair UNSCEAR)

Panel discussion with representatives of the IAEA, ILO, IRPA, UNSCEAR and WHO on the importance of UNSCEAR evaluations of level of radiation exposure and how to improve the data collection process.

Panel: Joanne Brown, IAEA
        Shengli Niu, ILO
        Kun-Woo Cho, IRPA
        María del Rosario Perez, WHO
        Borislava Batandjieva-Metcalf, UNSCEAR

Launch of the Korean version UNEP Booklet Radiation: Effects and Sources (Jeong-In Kim, KARP)