



Australian Government
**Australian Radiation Protection
and Nuclear Safety Agency**



UNSCEAR Project Public Exposure


Past Activities and Accidents

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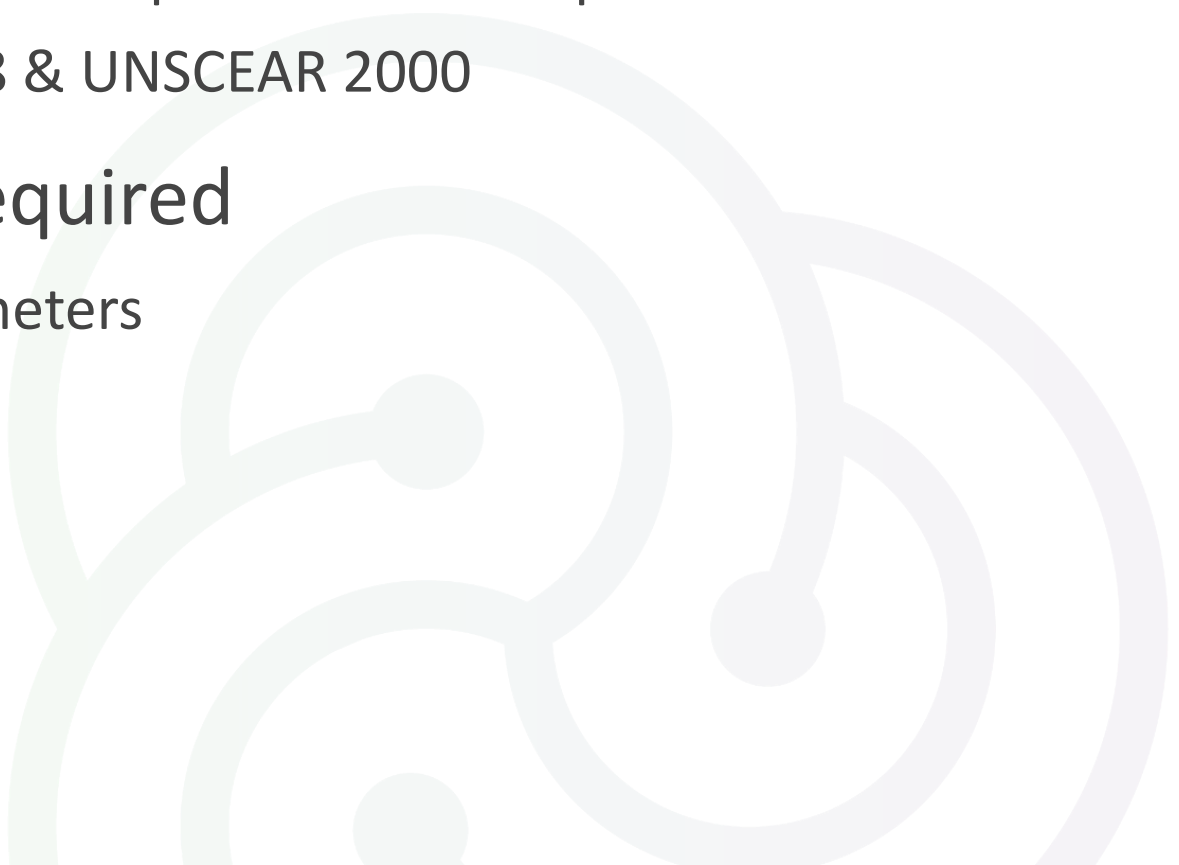
NCP Meetings

16 + 24 March 2021.

Past Activities and Accident – Scope

- Data relating to public exposure resulting from:
 - Military uses
 - Nuclear test sites
 - Global fallout
 - Legacy sites
 - Past industrial activities with NORM
 - Waste disposal
 - Past activities with artificial radionuclides
 - Nuclear and radiological accidents
 - Fukushima
 - Chernobyl
 - Mayak
 - Others
 - Sea disposal of radioactive wastes
 - Exposures relating to the survey period 2007-present
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Methodology

- UNSCEAR methodology as applied to other reports
 - Methodology as applied for external and internal public exposure with environmental radionuclides and long-term post-accident exposures
 - Fukushima, Chernobyl, UNSCEAR 2008 & UNSCEAR 2000
 - Methodology updates where required
 - i.e. dose coefficients and model parameters
 - Uncertainties and variables
 - As being developed for the project
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Data Required

- General data as previous shown
 - Country, date, population & NCP details
- Essential data
 - Site information, location, area of contamination, contamination type, total inventory, type of radionuclides, environment type, source of contamination
 - Number of exposed individuals, average & collective effective doses, pathways of exposure, activity concentrations or surface density
 - References
- Data to be sourced from survey and literature

Report

- Data published in compiled tables and graphs
 - Effective doses to members of the public from past activities and accidents
 - Geographical/regional and temporal trends where available
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