

BACKGROUND

MOVING FORWARD

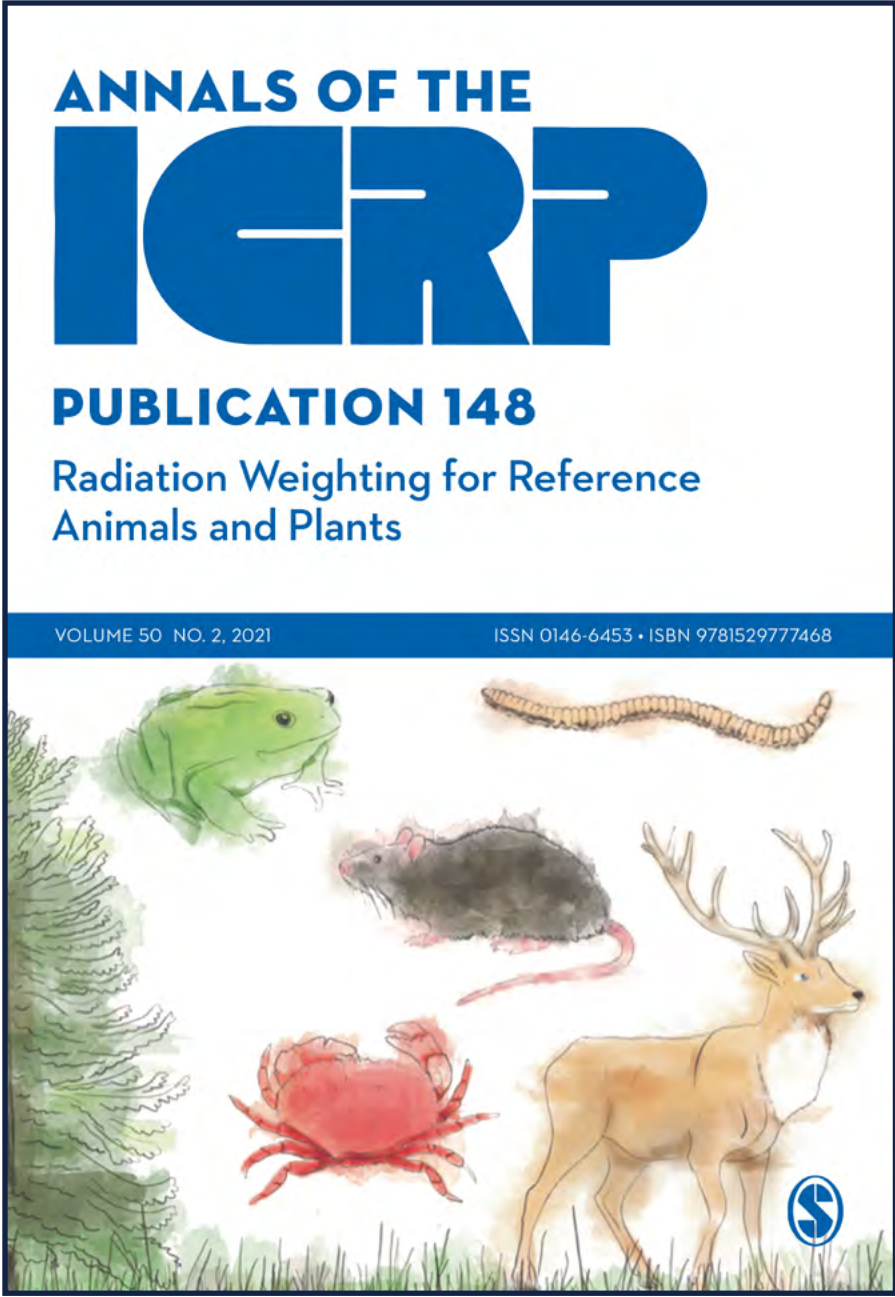
Task Group 118 is joint between Committee 1 and Committee 2, but has recently come under Committee 3 as well.

Objectives:

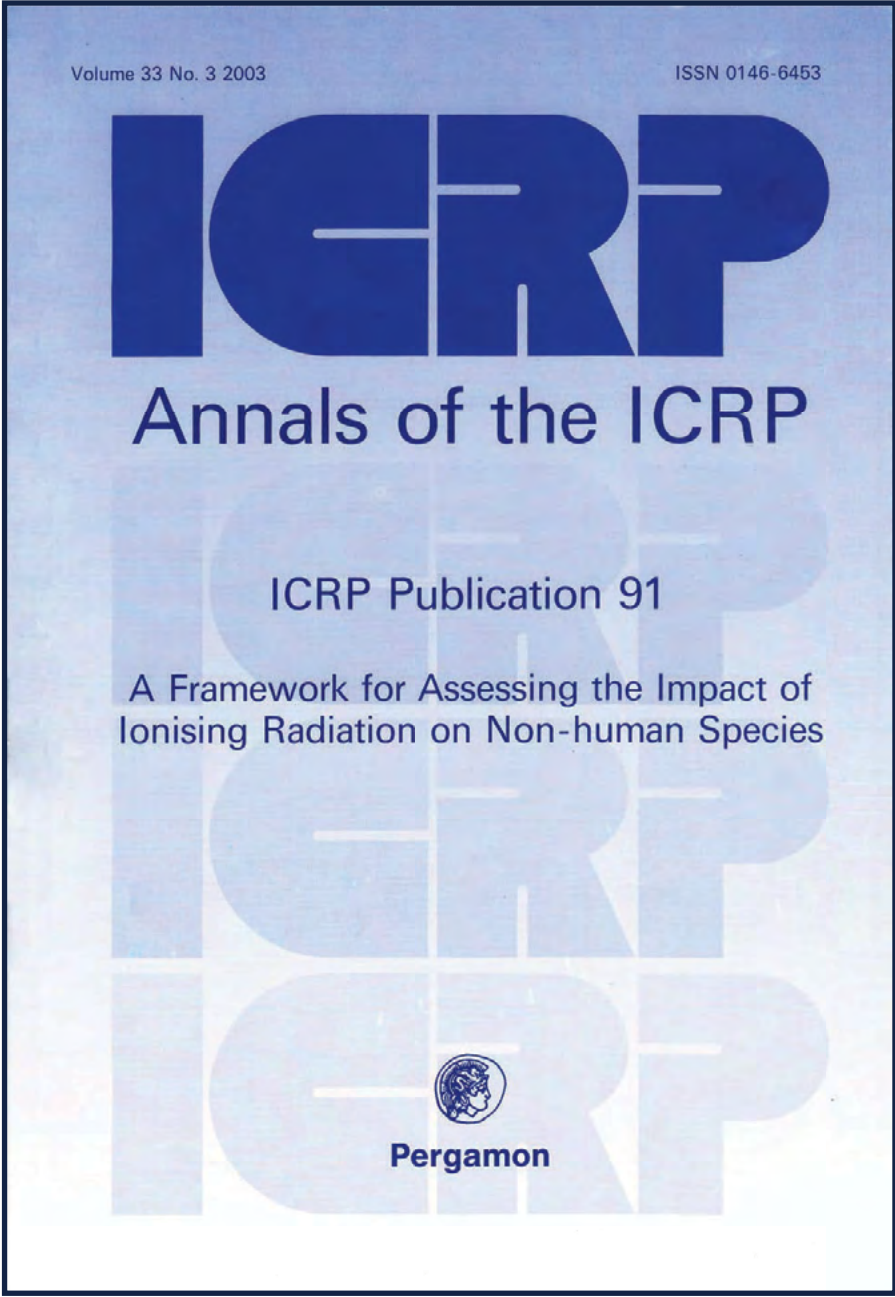
1. To review scientific literature related to RBE, Q and WR since ICRP 92 (2002)
2. To provide advice about whether the new information would impact ICRP recommendations on radiological protection

The report will include stochastic and tissue-specific endpoints, and hopes to include some epidemiology, clinical endpoints.

Relevant ICRP Publications:



ICRP Publication 148  
on RBE for alpha-  
and beta-emitting  
radionuclides



ICRP Publication 91  
on DDREF will be  
considered

MEETINGS

Task Group 118 has held monthly meetings in 2025 to update and review text written for the document. Most sections have some text, but still needs considerable revision.

The Task Group hosted one webinar on the use of RBE for internal exposures. This will be added to the report.

Task Group 118 has also planned two upcoming webinars for summer 2026: one with updates on neutron RBE for the Atomic Bomb Survivors, and one about an update on how RBE is used clinically for proton dose.

Discussion continues on RBE, wR, and Q for stochastic effects vs tissue effects.

Task Group 118:

- Is considering RBE/wR for exposure to internal emitters.
- Has had significant discussion on the use of AI in writing reports.
- Has generated several tables for the document.
- Has loaded a version of the current document on a google site and are working on modifications.
- Has scheduled a meeting for Task Group 118 in Abu Dhabi during ICRP 2025, as well as a joint meeting with Task Group 115.

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