



Criticism of UNSCEAR's Fukushima report



Report of the United Nations
Scientific Committee on the
Effects of Atomic Radiation

Sixtieth session
(27-31 May 2013)

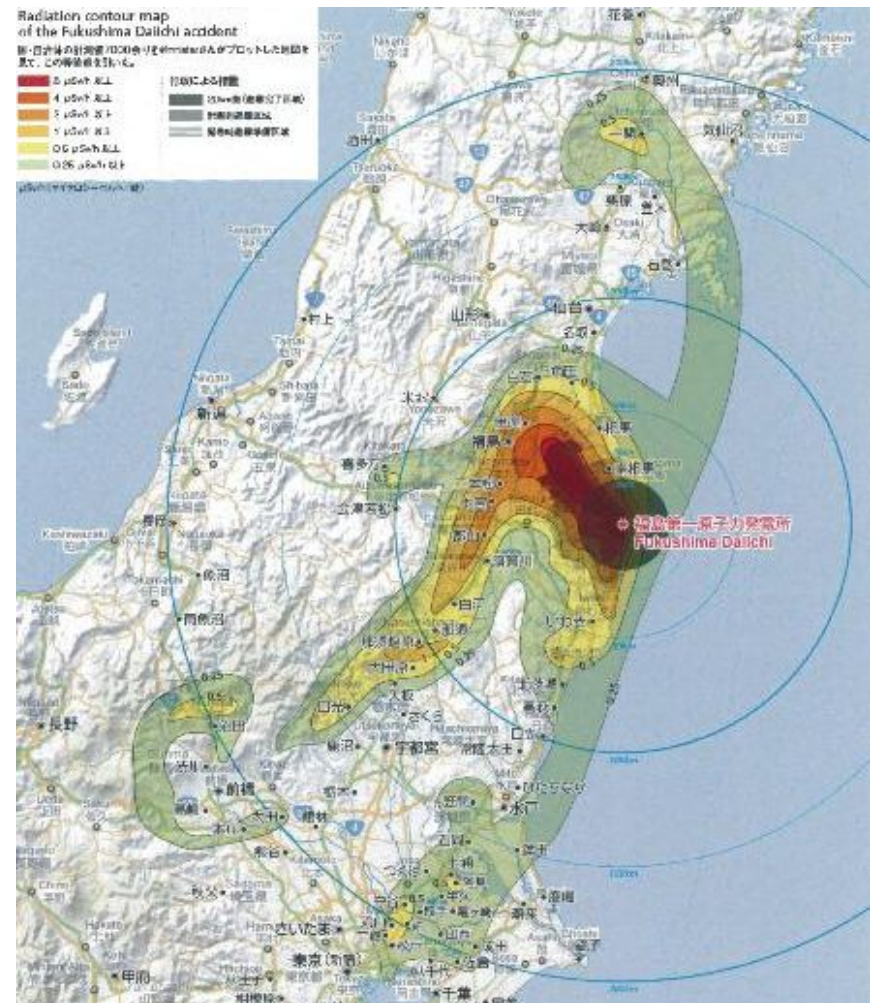
General Assembly
Official Records
Sixty-eighth session
Supplement No. 46

**Dr. Alex Rosen
IPPNW Germany
November 22nd, 2014**



Criticism of UNSCEAR's Fukushima report

1) The validity of UNSCEAR's source term estimates is in doubt





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Radioisotope	TEPCO	JAEA	NILU
Iodine-131	~500 PBq	120 PBq	-
Cesium-137	~10 PBq	9 PBq	37 PBq



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2) There are serious concerns regarding the calculations of internal radiation





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Radioisotope	WHO/IAEA	JAEA
Iodine-131	54,100 Bq/kg	2,540,000 Bq/kg
Cesium-137	41,000 Bq/kg	2,650,000 Bq/kg



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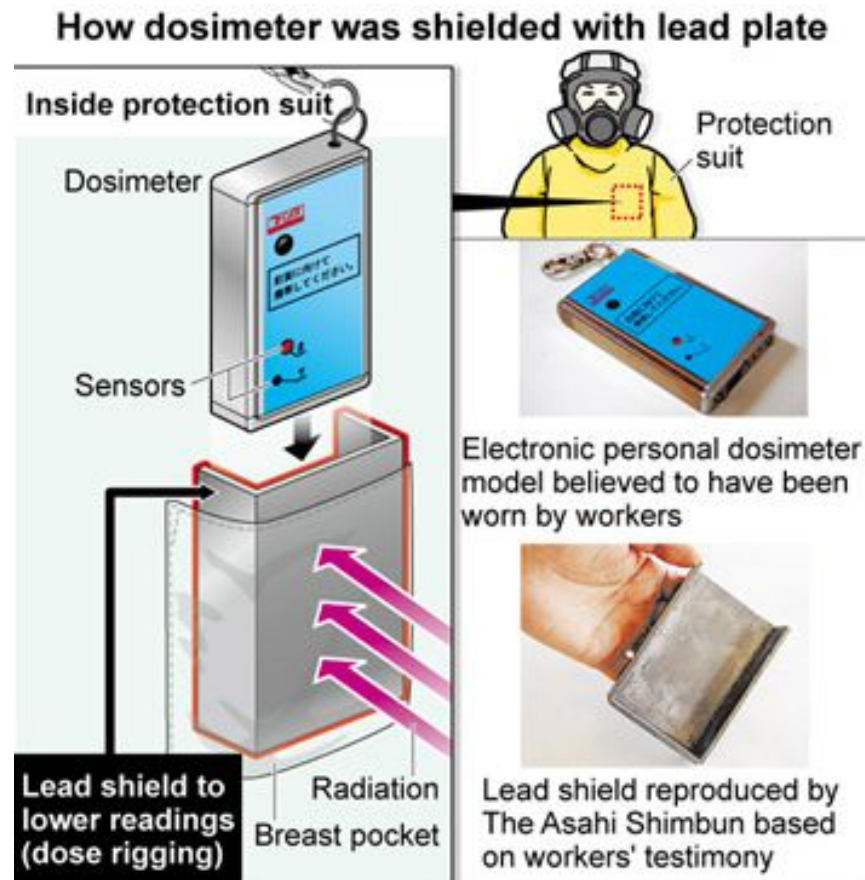
3) The dose assessments of the Fukushima workers cannot be relied upon





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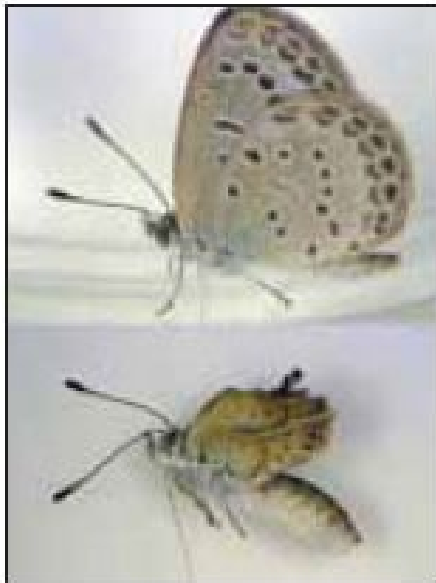
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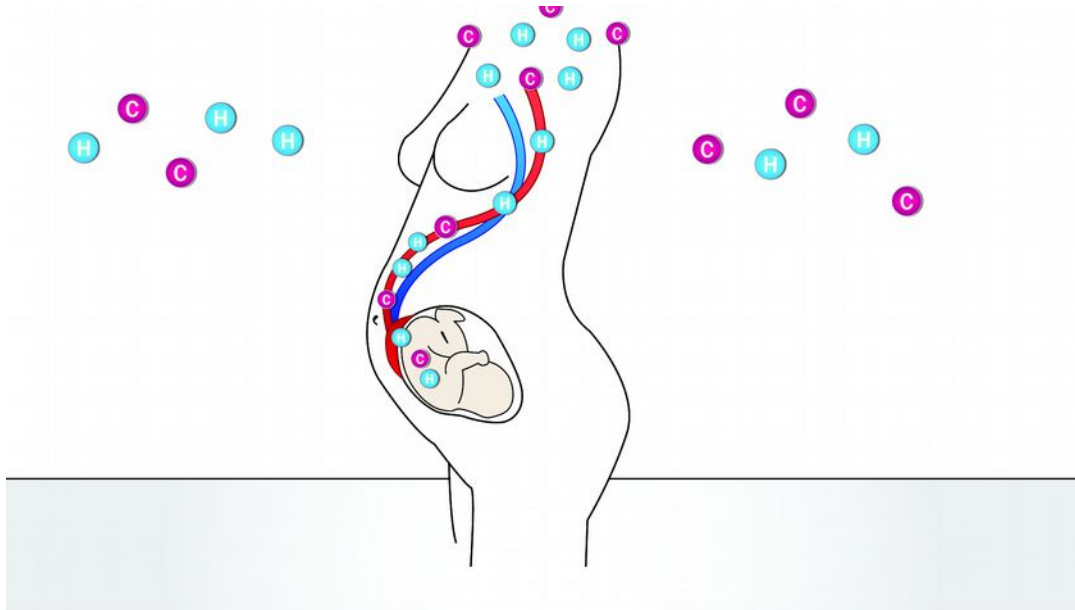
4) The UNSCEAR report ignores the effects of fallout on the non-human biota





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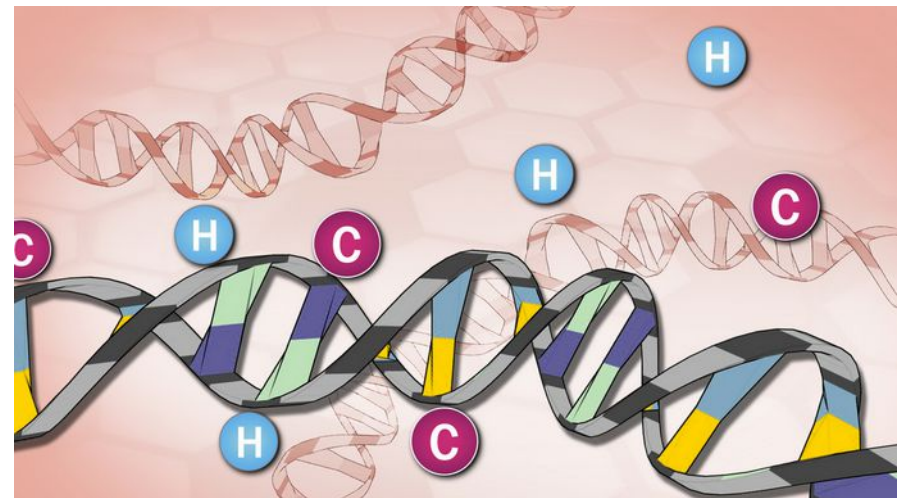
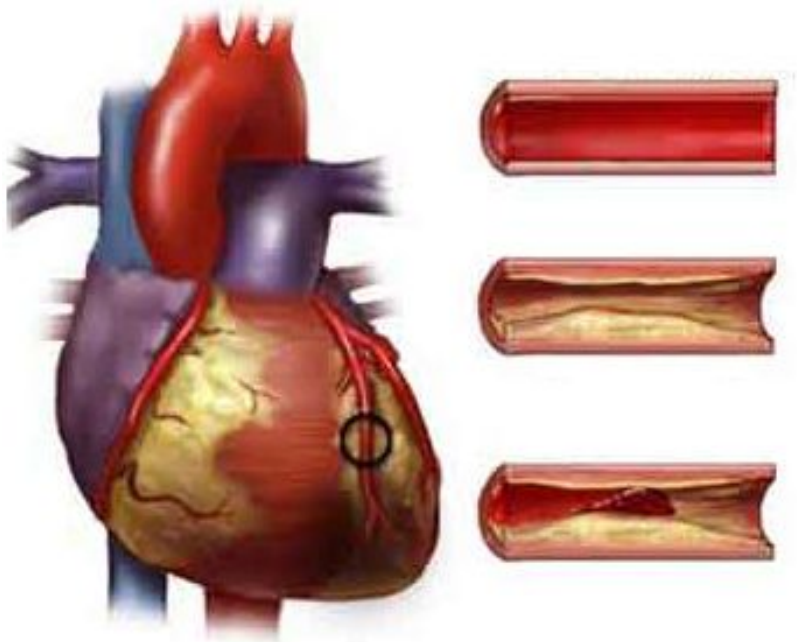
5) The special vulnerability of the embryo is not taken into account





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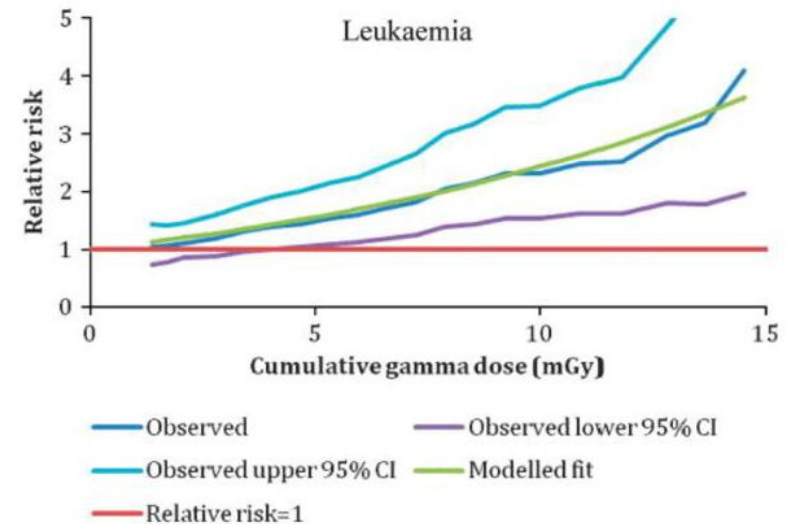
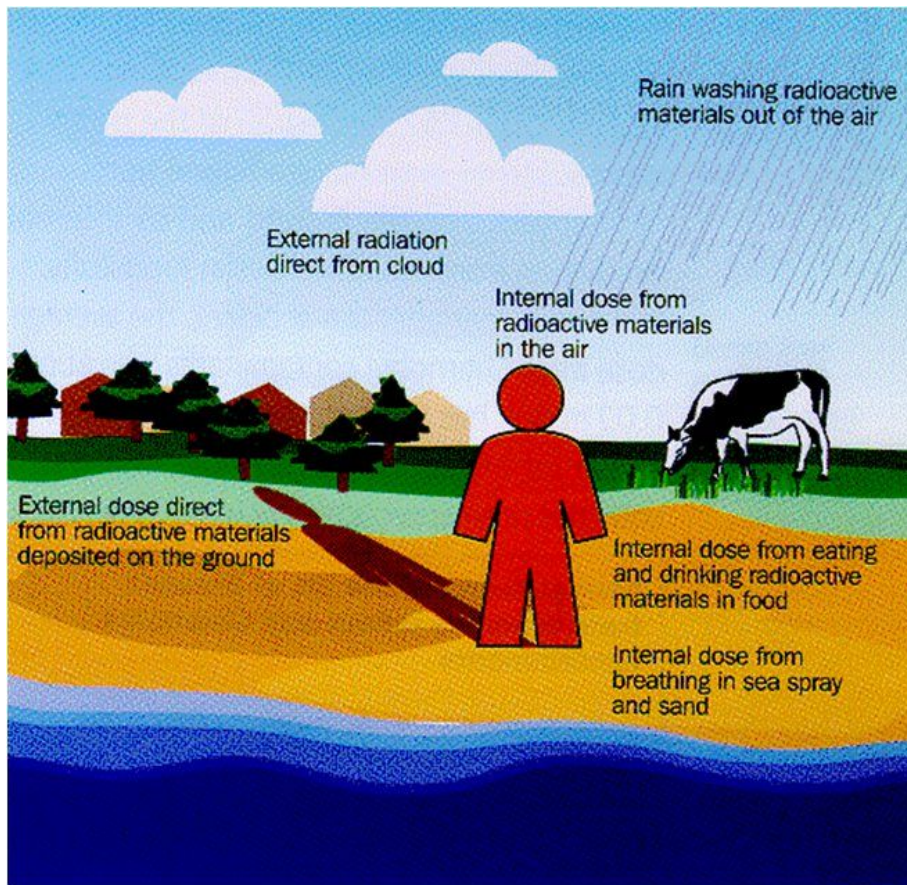
6) Non-cancer diseases and hereditary effects were ignored by UNSCEAR





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7) Comparisons of nuclear fallout to background radiation are misleading





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8) UNSCEAR'S interpretations of the findings are questionable





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9) The protective measures taken by the authorities are misrepresented





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10) Conclusions from collective dose estimations are not presented

Total collective dose	Risk factor (BEIR VII)	Total expected cases
48,000 Person-Sv	0,09 – 0,35/Person-Sv	4,300 – 16,800 cases
48,000 Person-Sv	0,05 – 0,19/Person-Sv	2,400 – 9,100 dead
Total thyroid dose	Risk factor (BEIR VII)	Total expected cases
112,000 Person-Gy	0.009/Person-Gy	1,016 cases



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UNSCEAR's tactic in plain words:

“While risk models by inference suggest increased cancer risk, cancers induced by radiation are indistinguishable at present from other cancers. Thus, a discernible increase in cancer incidence in this population that could be attributed to radiation exposure from the accident is not expected.”





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IPPNW's position:

“The people of Fukushima need proper information, health monitoring, support and most of all, they need acknowledgment of their right to a standard of living adequate for their health and well being. This should be the guiding principle in evaluating the health effects of the nuclear catastrophe, not industrial interests or political gains.”





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Thank you for your attention!

