

ABBREVIATIONS

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| ACF | activated carbon fibre |
| ACRO | Association pour le Contrôle de la Radioactivité de l'Ouest |
| AR | absolute risk |
| ATDM | Atmospheric Transport Dispersion and Deposition Model |
| BEIR | Committee on the Biological Effects of Ionizing Radiation |
| BSS | Basic Safety Standards |
| CAMx | Comprehensive Air Quality Model with Extensions |
| CEREA | Centre d'Enseignement et de Recherche en Environnement Atmosphérique |
| CI | confidence interval |
| CLL | chronic lymphocytic leukaemia |
| CMAQ | Community Multiscale Air Quality |
| CR | concentration ratio |
| CRIEPI | Central Research Institute of the Electric Power Industry |
| CTBTO | Comprehensive Nuclear Test-Ban-Treaty Organization |
| DCC | dose conversion coefficient |
| DCRL | Derived Consideration Reference Level |
| DDREF | dose rate effectiveness factor |
| DOD | United States Department of Defense |
| DOE | United States Department of Energy |
| DTC | differentiated thyroid cancer |
| EAL | emergency action level |
| EAR | excess absolute risk |
| EPD | electronic personal dosimeter |
| ERR | excess relative risk |
| ETM | Eulerian transport model |
| FAO | Food and Agriculture Organization of the United Nations |
| G | gaseous |
| GEOMR | Research Center for Marine Geosciences |
| GSG | General Safety Guide |
| GSR | General Safety Requirements |
| HPGe | high purity germanium |
| H.V. | high volume air sampler |
| ICRP | International Commission on Radiological Protection Institut de Radioprotection et de Sécurité Nucléaire (Institute for Radiological Protection and Nuclear Safety) |
| IRSN | |
| JAEA | Japan Atomic Energy Agency |
| JAEA-TRDC | Japan Atomic Energy Agency, Tokai Research and Development Centre |
| JAMSTEC | Japan Agency for Marine-Earth Science and Technology |
| JCAC | Japan Chemical Analysis Centre Tide-resolving regional nested subsystem of Japan Coastal Ocean Predictability Experiment |
| JCOPET | |
| JMA | Japan Meteorological Agency |
| JMA-MRI | Japan Meteorology Agency, Meteorological Research Institute |
| JST | Japan Standard Time |
| KEK | High Energy Accelerator Research Organization |

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| KIOST | Korean Institute of Ocean Science and Technology |
| KURAMA | Kyoto University Radiation Mapping |
| KURRI | Kyoto University Research Reactor Institute |
| LARF | lifetime attributable risk fraction |
| LAR | lifetime attributable risk |
| LBR | lifetime background risk |
| LET | linear energy transfer |
| LNT | linear non-threshold |
| L.V. | low volume air sampler |
| MDA | minimum detectable activity |
| MEXT | Ministry of Education, Culture, Sports, Science and Technology |
| MM5 | fifth-generation mesoscale model |
| MRI | Meteorological Research Institute |
| MSSG | Multi-Scale Simulator for the GeoEnvironment |
| NHM-LETKF | non-hydrostatic meteorological model |
| NIES | National Institute for Environmental Studies |
| NIRS | National Institute of Radiological Sciences |
| NPP | nuclear power plant |
| NRA | Nuclear Regulation Authority |
| NSC | Nuclear Safety Commission |
| OECD/NEA | OECD Nuclear Energy Agency |
| OIL | operational intervention level |
| OR | odds ratio |
| P | particulate |
| PAHO | Pan American Health Organization |
| PSU | Practical saline units |
| PTC | papillary thyroid cancer |
| QF | quartz fibre |
| RAPs | reference animals and plants |
| RASA | Radionuclide Aerosol Sampler/Analyser |
| RATM | Regional Atmospheric Transport Model |
| RIKEN | Rikagaku Kenkyusho (Institute of Physical and Chemical Research, Japan) |
| RR | relative risk |
| SI | International System of Units |
| SNU | Seoul National University |
| SPS | sanitary and phytosanitary |
| TBT | technical barriers to trade |
| TEPCO | Tokyo Electric Power Company |
| TMITRI | Tokyo Metropolitan Industrial Technology Research Institute |
| TUE | Thyroid Ultrasound Examination |
| UNSCEAR | United Nations Scientific Committee on the Effects of Atomic Radiation |
| US DOE/NNSA | US Department of Energy/National Nuclear Security Administration |
| UTC | Universal Time Coordinated |
| WBC | whole-body counter |
| WHOI | Woods Hole Oceanographic Institution |
| WMO | World Meteorological Organization |

WRF Weather Research and Forecasting
WTO World Trade Organization