

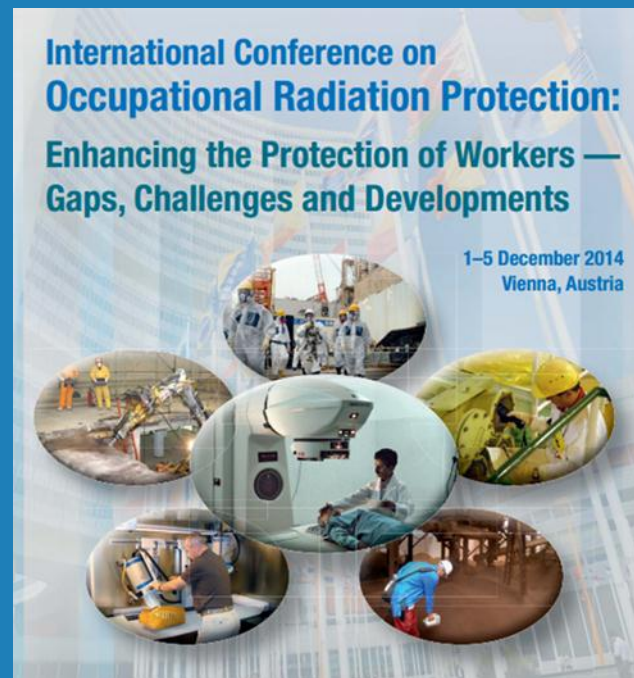


World Health
Organization

Briefing Session: WHO's report

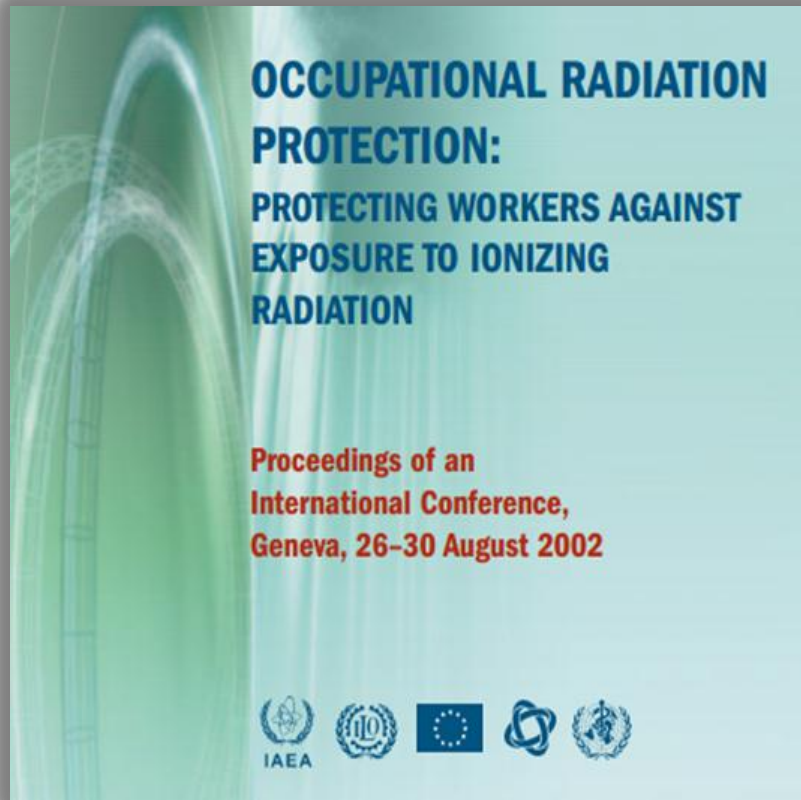
Dr María del Rosario Pérez

Department of Public Health, Environmental and Social Determinants of Health

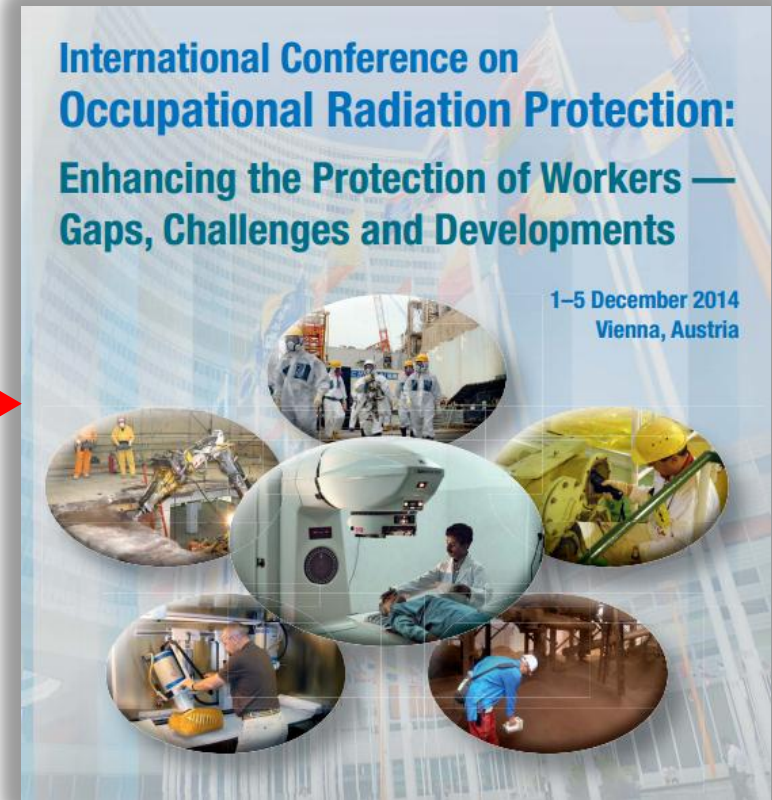


International Conference on Occupational Radiation Protection, Vienna, Austria, 1-5 December 2014

Twelve years...



Protecting workers...



Enhancing protection of workers...

Twelve years ago...

OCCUPATIONAL RADIATION PROTECTION: PROTECTING WORKERS AGAINST EXPOSURE TO IONIZING RADIATION

Proceedings of an
International Conference,
Geneva, 26–30 August 2002



ORGANIZED BY
THE INTERNATIONAL ATOMIC ENERGY AGENCY
CONVENED JOINTLY WITH
THE INTERNATIONAL LABOUR ORGANIZATION
CO-SPONSORED BY
THE EUROPEAN COMMISSION
IN CO-OPERATION WITH
THE OECD NUCLEAR ENERGY AGENCY
AND THE WORLD HEALTH ORGANIZATION
HOSTED BY
THE GOVERNMENT OF SWITZERLAND

PROCEEDINGS SERIES

OCCUPATIONAL RADIATION PROTECTION: PROTECTING WORKERS AGAINST EXPOSURE TO IONIZING RADIATION

PROCEEDINGS OF AN INTERNATIONAL CONFERENCE
ON OCCUPATIONAL RADIATION PROTECTION:
PROTECTING WORKERS AGAINST EXPOSURE
TO IONIZING RADIATION
ORGANIZED BY
THE INTERNATIONAL ATOMIC ENERGY AGENCY
CONVENED JOINTLY WITH
THE INTERNATIONAL LABOUR ORGANIZATION
CO-SPONSORED BY
THE EUROPEAN COMMISSION
IN CO-OPERATION WITH
THE OECD NUCLEAR ENERGY AGENCY
AND THE WORLD HEALTH ORGANIZATION
HOSTED BY
THE GOVERNMENT OF SWITZERLAND
AND HELD IN GENEVA, 26–30 AUGUST 2002

INTERNATIONAL ATOMIC ENERGY AGENCY
VIENNA, 2003

IAPORP: WHO cooperation with IAEA and ILO



- WHO participated in the international action plan on ORP (**IAPORP**) established by **IAEA** in cooperation with **ILO** and other relevant international organizations.
- As member of the Steering Committee (**SC**) WHO contributed to the **IAPORP formulation and implementation**, in particular for:
 - **Action 9** related to postgraduate **education and awareness-raising packages for medical professionals**.
 - **Action 10** concerning the update of a **manual on radiation protection for health workers**.
 - **Action 14** on guidance for aiding decision-making on the attribution of cases of detrimental health effects to occupational exposure to ionizing radiation for **compensation** purposes.

Action 14: the activities

Consultancy meeting (2003)

- Prepared a draft document mapping existing systems of compensation

1st IAPORP SC Mtg (2004)

- Defined the scope, purpose and output of Action 14

2nd IAPORP SC Mtg (2006)

- Decided that a Technical Meeting (TM) was needed to complete the document.

Technical Meeting (2006)

- WHO convened the TM in Bad-Münstereifel, Germany

Editorial meetings (2006-2007)

- Three editorial meetings with the IAEA, ILO, and WHO took place in Geneva

3rd IAPORP SC Mtg (2008)

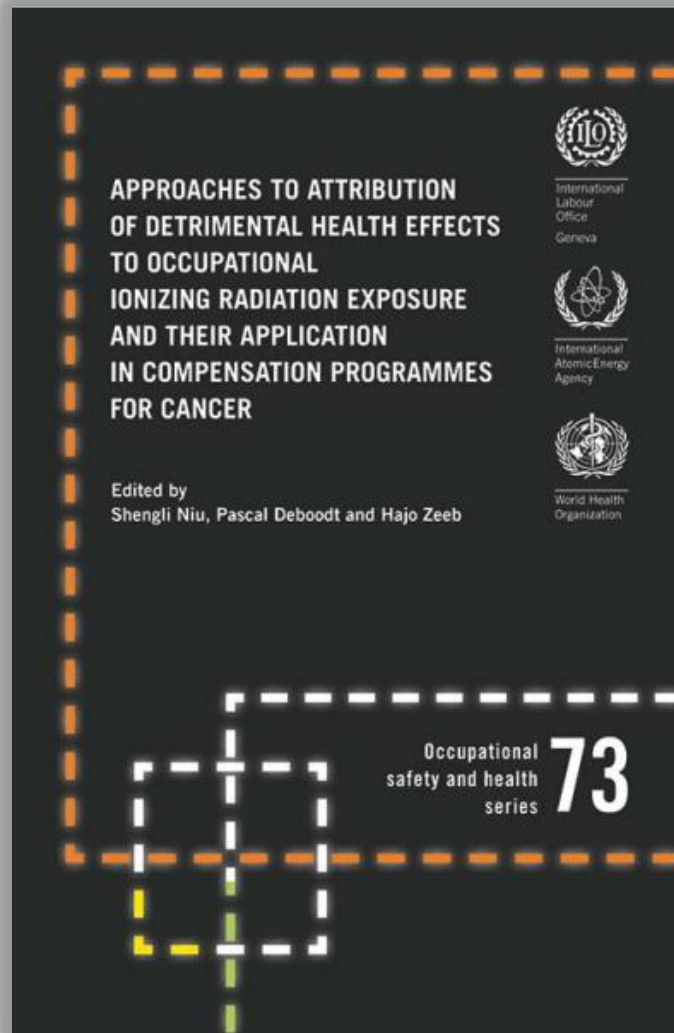
- Approved the final draft

Output

- Final editing work, internal clearances, layout, and publication by the ILO



Action 14: the output



"Approaches to attribution of detrimental health effects to occupational IR exposure, and their application in compensation programmes for cancer – a practical guide", cosponsored by ILO, IAEA, WHO

ILO Occupational Safety and Health Series, No. 73 (2010)

International Basic Safety Standards (BSS)



- New **BSS** co-sponsored by EC, IAEA, ILO, FAO, OECD/NEA, PAHO, UNEP and WHO represent an international benchmark for radiation safety.
- An entire section of the BSS addressed **occupational exposures** (i.e. **safety requirements for workers**).
- In line with WHO's core functions, WHO has cooperated with the other international organizations in the BSS revision process.
- WHO adopted the new BSS in 2012 and is currently cooperating **to support the BSS implementation**.



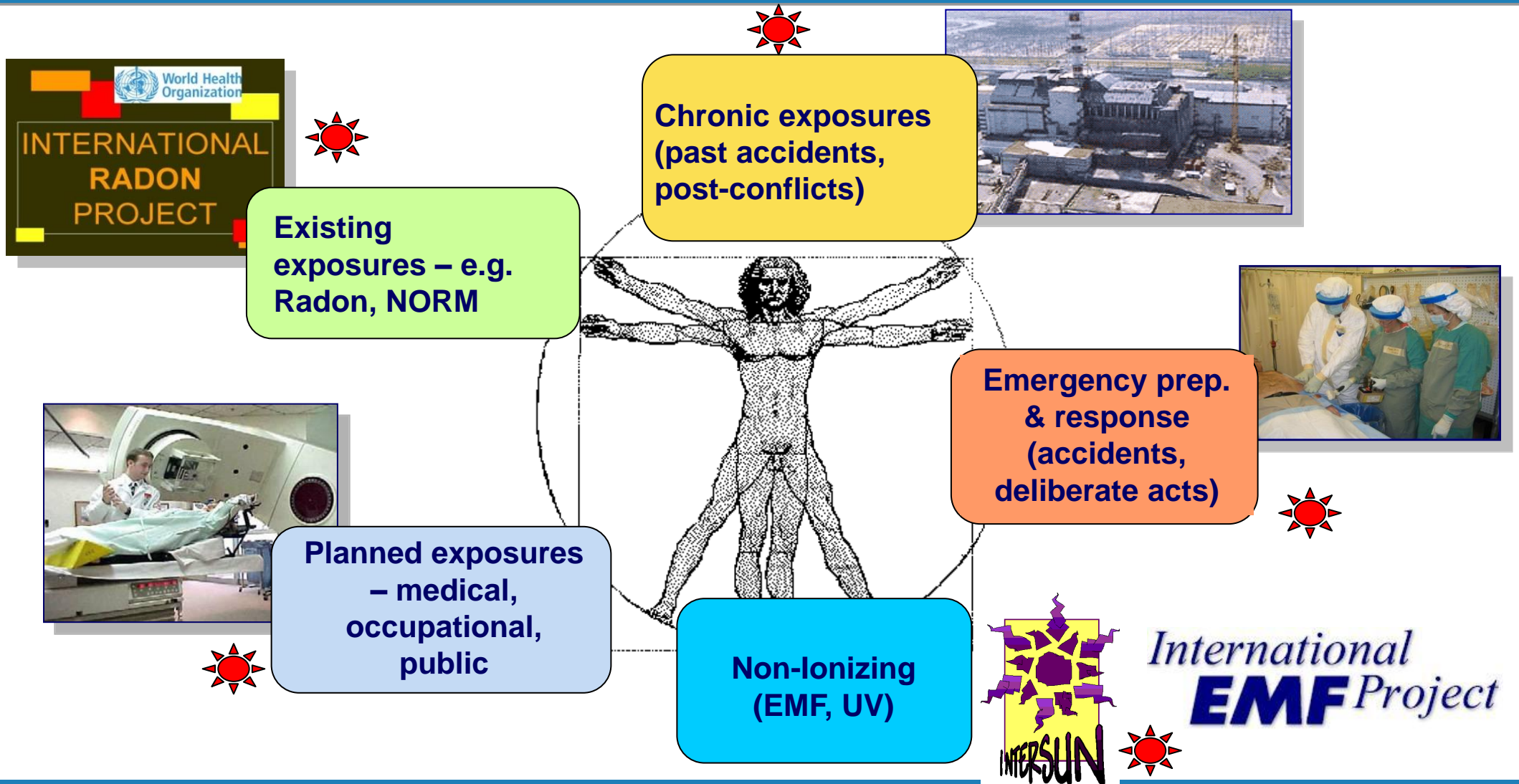
In 1990 the Inter-Agency Committee on Radiation Safety (IACRS) was formed to serve as a forum for collaboration between international organisations in matters of radiation safety. The IACRS, which represents an important step towards the international harmonisation of radiation protection and safety, is currently comprised of the following members:



- Inter-agency **Task Group on BSS Implementation** established within the **IACRS**
 - Strategic plan including safety guides, training packages, information materials (*e.g. brochures, posters, leaflets*).
 - Regional and national **BSS Workshops**
 - *Asian countries, Philippines 2013 (IAEA-WHO)*
 - *China (national) 2014 (IAEA-WHO)*
 - *African countries, Ghana 2015 (IAEA-WHO)*



WHO radiation programme: different scenarios of human exposure including workers



WHO Global Initiative on Radiation Safety in Health Care Settings: ORP of health workers



Diagnostic radiology



Interventional radiology

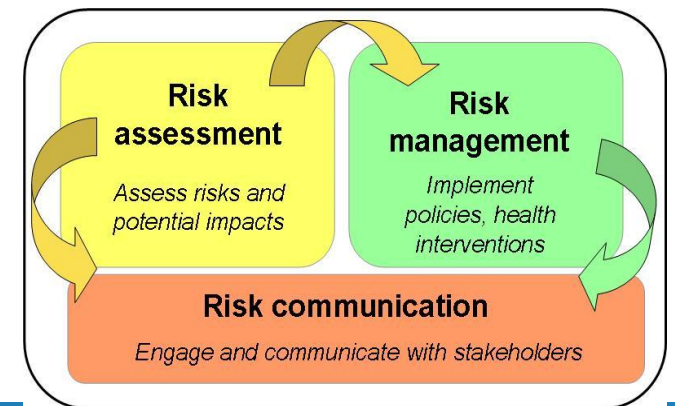


Radiotherapy



Nuclear Medicine

- *Launched in 2008 to support the implementation of the **BSS** in medical settings*
- *Includes RP of patients and **health workers***



Bonn Conference and Call for Action



Main outcome of the International Conference on RP in Medicine, organized by the IAEA, co-sponsored by WHO (Bonn, December 2012)

Bonn Call for Action

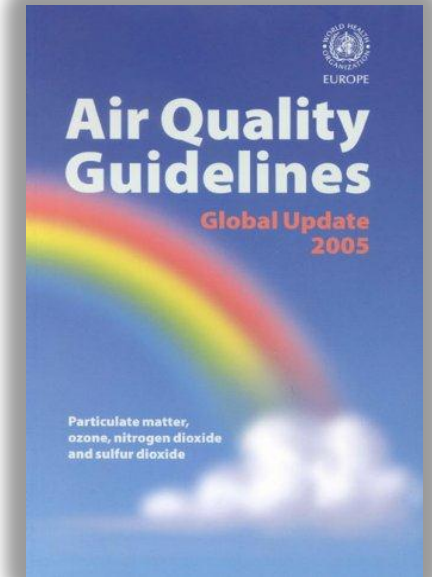
10 actions to improve radiation protection in medicine in the next decade

It encompasses ORP of health workers



Radon and NORM exposures

- The WHO Radon project has been focused on prevention and mitigation of radon exposures of members of the public (i.e. dwellings). More recently the scope was expanded to consider **occupational exposures to NORM.**
- Risk communication, guidance, education & training
 - Integration in WHO Indoor Air Quality strategy.
 - Networking e.g. Radon Listserver.
 - Technical contribution to ICRP Publication 126 "Radiological Protection against Radon Exposure".
 - Radon Workshop during 4th African IRPA Congress, Rabat, Morocco (Sept. 2014).
 - IAEA-WHO-ARN Radon Regional Latin American Training , Buenos Aires, Argentina, 3-6 Nov. 2014.



Post-Chernobyl activities

- WHO contributed to the **UN Action Plan for the Third Decade of Chernobyl** through implementation of the Inter-Agency project “Human Security for Individuals and Communities in Chernobyl-affected Areas through Local Information Provision” (ICRIN), jointly conducted by the IAEA, UNDP, UNICEF and WHO.
- WHO continues contributing through participation in the Inter-Agency Task Group on Chernobyl, currently discussing priorities and future strategy for the post-2016 period.



WHO response to the Fukushima Daiichi NPP accident



WHO's longer term actions

IOP PUBLISHING

J. Radiol. Prot. 32 (2012) N119–N122

NOTE

WHO's public health agenda in response to the Fukushima Daiichi nuclear accident

Emilie van Deventer¹, Maria del Rosario Perez¹, Angelika Tritscher², Kazuko Fukushima² and Zhanat Carr¹

¹ Department of Public Health and Environment, World Health Organization, Geneva, Switzerland

² Department of Food Safety and Zoonoses, World Health Organization, Geneva, Switzerland

JOURNAL OF RADIOLOGICAL PROTECTION

doi:10.1088/0952-4746/32/1/N119

Published
6 March 2012

Published
23 May 2012

Preliminary dose estimation

from the nuclear accident
after the 2011 Great East Japan
Earthquake and Tsunami



World Health
Organization

Published
28 February 2013

Health risk assessment

from the nuclear accident
after the 2011 Great East Japan
Earthquake and Tsunami

based on a preliminary dose estimation



World Health
Organization

*The health risk assessment included members of the public as well as **emergency workers***



Framework for estimating cancer risks

RADIATION RESEARCH 182, 556–572 (2014)
0033-7587/14 \$15.00
©2014 by Radiation Research Society.
All rights of reproduction in any form reserved.
DOI: 10.1667/RR13779.1

Published
November 2014

Health
Risk
Assessment
Framework

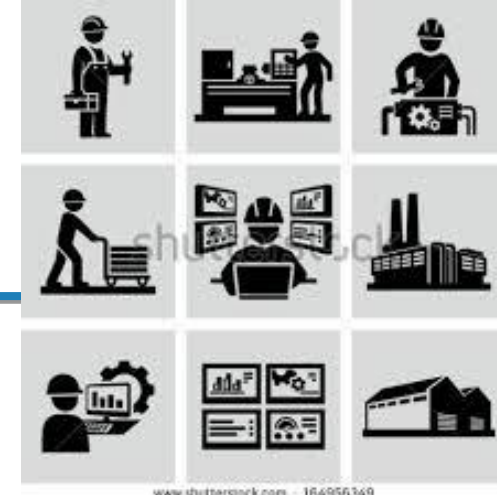
A Framework for Estimating Radiation-Related Cancer Risks in Japan from the 2011 Fukushima Nuclear Accident

L. Walsh,^{a,1} W. Zhang,^b R. E. Shore,^c A. Auvinen,^d D. Laurier,^e R. Wakeford,^f P. Jacob,^g N. Gent,^b L. R. Anspaugh,^h J. Schüz,ⁱ A. Kesminiene,ⁱ E. van Deventer,^j A. Tritscher^j and M. del Rosario Pérez^j

^a BfS – Federal Office for Radiation Protection, Radiation Protection and Health, Neuherberg, Germany; ^b Public Health England, United Kingdom; ^c Radiation Effects Research Foundation, Chief of Research, Hiroshima, Hiroshima; ^d Radiation and Nuclear Safety Authority and University of Tampere, Finland; ^e Institut de Radioprotection et de Sûreté Nucléaire, Fontenay-aux-Roses, France; ^f The University of Manchester, Centre for Occupational and Environmental Health, Institute of Population Health, Manchester, United Kingdom; ^g Helmholtz Zentrum München – German Research Center for Environmental Health and Institute of Radiation Protection, Neuherberg, Germany; ^h Radiobiology Division, University of Utah, Salt Lake City, Utah; ⁱ International Agency for Research on Cancer, Section of Environment and Radiation, Lyon, France; and ^j World Health Organization, Geneva, Switzerland



WHO Global Plan of Action on Workers' Health 2008-2017



www.shutterstock.com - 184956349

This Global Plan of Action was endorsed by the World Health Assembly in 2007. The WHO Global Occupational Health Network (**GOHNET**) supports its implementation including:

- *Primary prevention of occupational hazards;*
- *Protection and promotion of health at work;*
- *Employment conditions; and*
- *Better response from health systems to workers' health.*



Global Plan of Action on Workers' Health: common principles

1. All workers should be able to enjoy the highest attainable standard of **physical and mental health** and favorable working conditions.
2. The **workplace** should not be detrimental to health and wellbeing.
3. **Primary prevention** of occupational health hazards is a priority.
4. All components of health systems should be involved in an **integrated response to the specific health needs** of working populations.
5. The workplace can also serve as a setting for delivery of other essential **public-health interventions**, and for **health promotion**.
6. Activities should be planned, implemented and evaluated with a view to **reducing inequalities in workers' health** within and between countries.
7. **Workers, employers and their representatives** should participate.



Integrating radiation protection in the global occupational health agenda

30th International Congress on Occupational Health
March 18 - 23, 2012
Occupational health for all: From research to practice

Home Committees Program Call for abstracts Registration Accommodation Venue Tourist Info. Visas Exhibit Area Contact

Register Home

2012

HOME MY PAGE CONTACT US | 한국어 ENGLISH FRANCAIS
D-day: 181 days

31st International Congress on Occupational Health

Introduction Program Official Events Exhibition & Sponsorship Info for Participants General Information Community

Overview
31st International Congress on Occupational Health
MAY 31-JUNE 5, 2015 SEOUL, KOREA

Global Harmony for Occupation Health:
BRIDGE THE WORLD

30th APOSHO Annual Conference

25th KCJ Joint Conference

10th WHO-CC Meeting

Parallel Conferences

2015

International Conference on ORP, Vienna, AUSTRIA, December 2014



World Health Organization

Thank You



perezm@who.int

http://www.who.int/ionizing_radiation/