Radiation Research Trust Conference 8-9 October 2008, London

The WHO International EMF Project: The road ahead

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Team Leader Radiation Programme

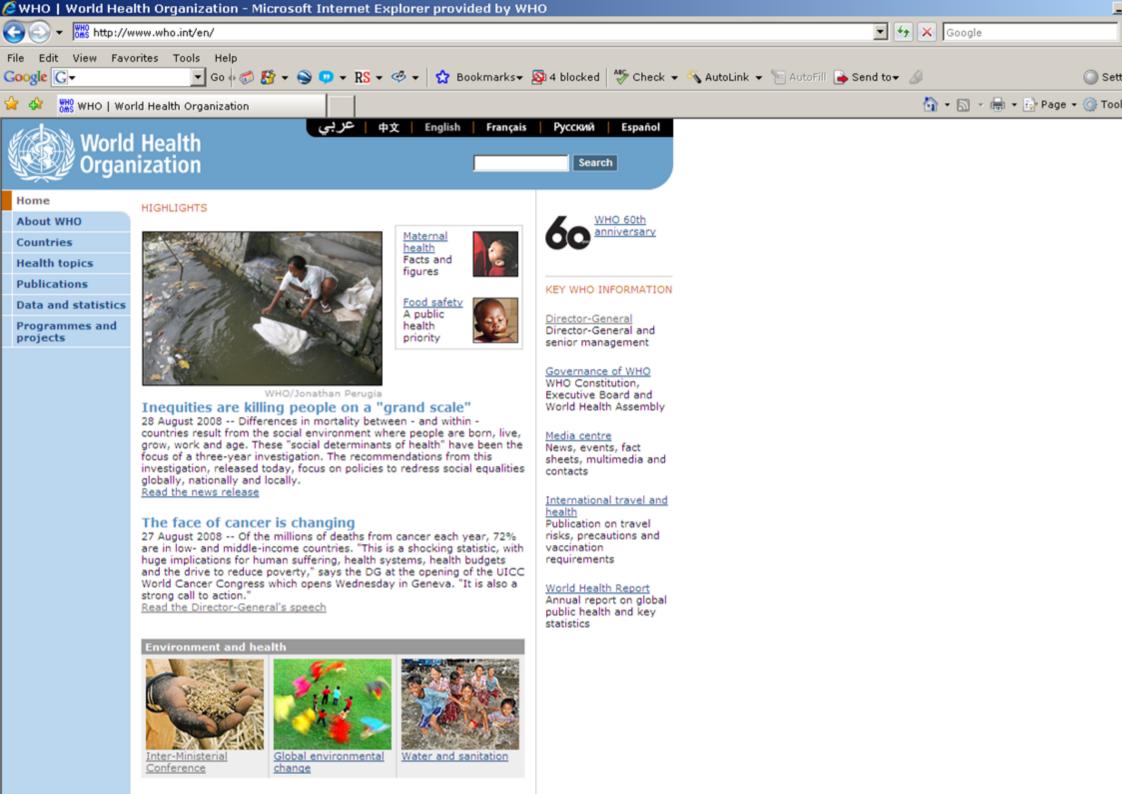


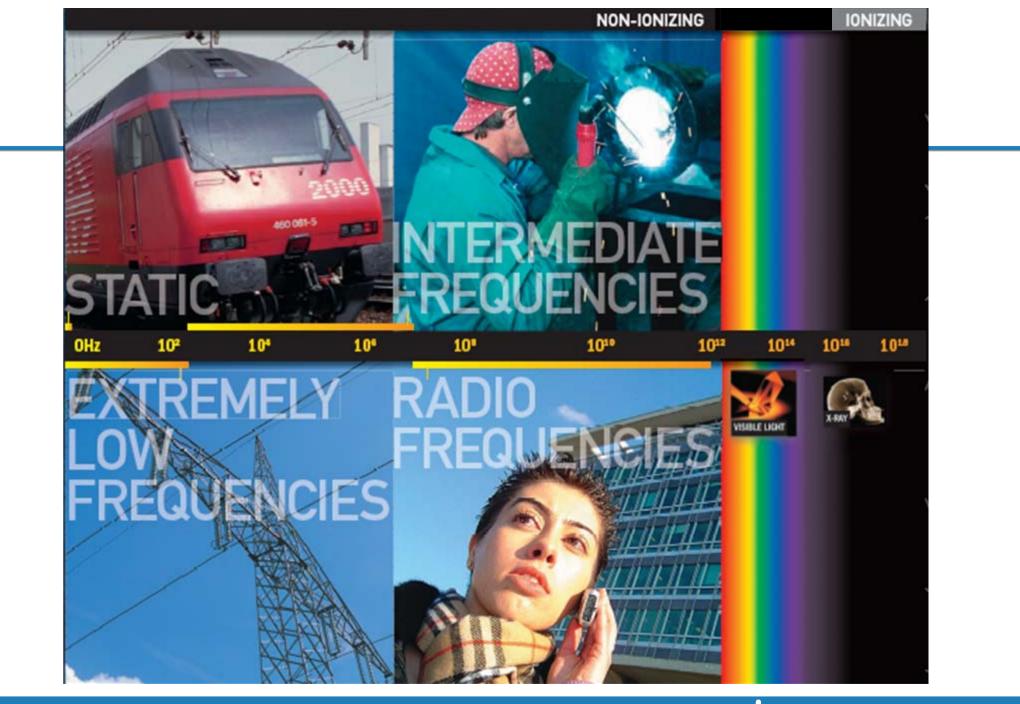
Outline

- Who we are ...
- What we do ...
 - Completed work
 - Ongoing work
- What we intend to do ...





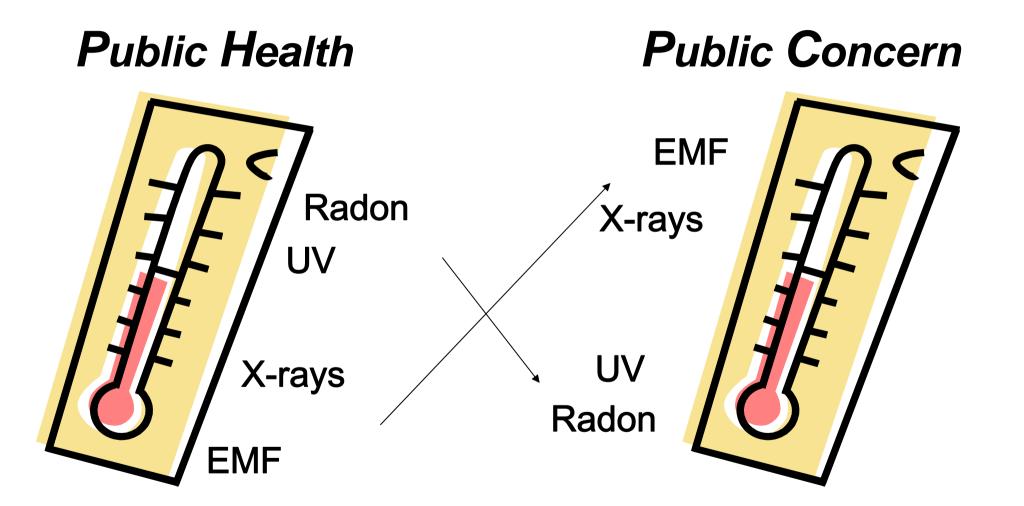






World Health Organization

Radiation





International EMF Project

Established in 1996

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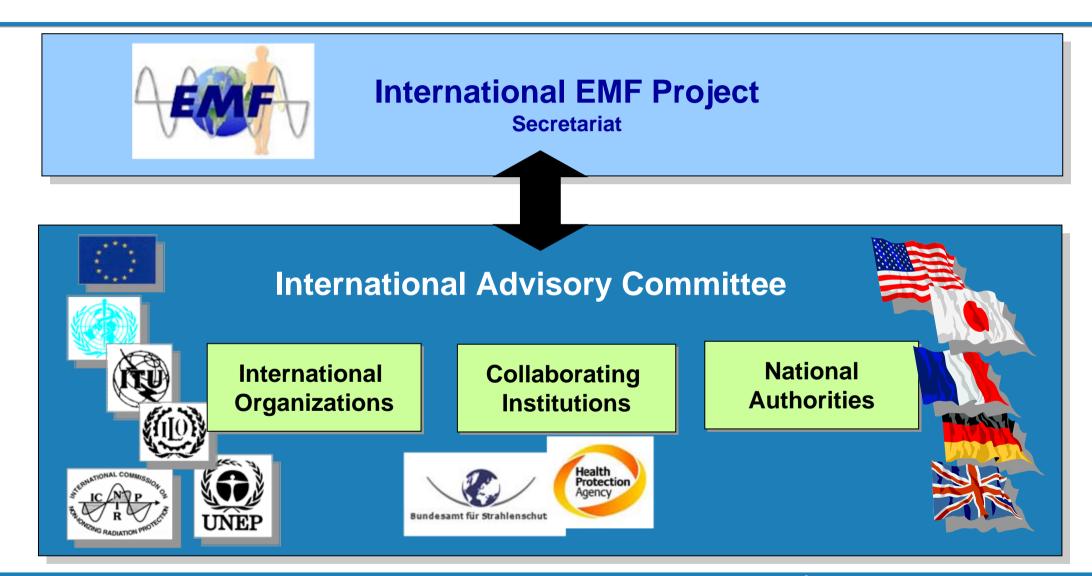
- Coordinated by WHO HQ (HSE/PHE/RAD)
- A multinational, multidisciplinary effort to create and disseminate information appropriate to human health risk assessment for EMF

•To **assess health effects** of exposure to non-ionizing radiation (0-300 GHz)

•To **provide technical assistance** in strengthening national capacities for the sound management of EMF

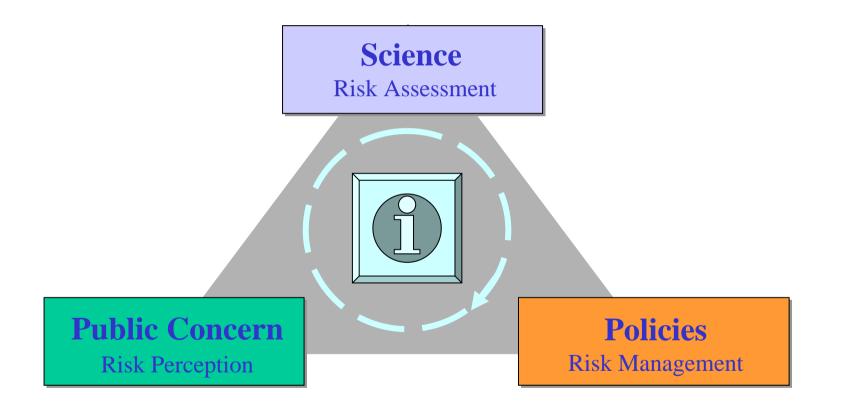


Structure





EMF: An environmental risk?





- Review the scientific literature on biological effects of EMF exposure;
- ✓ Identify gaps in knowledge requiring research that will improve health risk assessments;



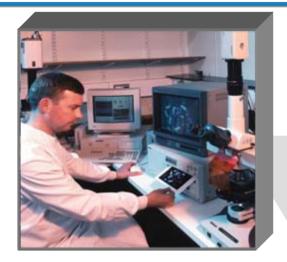




- Review the scientific literature on biological effects of EMF exposure;
- Identify gaps in knowledge requiring research that will improve health risk assessments;
- ☑ Encourage a focused agenda of high quality EMF research;



EMF Research Agenda





World Health Organization

Research agenda

Introduction

This Introduction is followed by the definitions used by WHO International EMF Projec The next section of the agenda is a list of needed EMF research that still needs to be co assessments of any health risks from exposure to EMF.

The list of required research is followed by a set of general guidelines for quality EMF r that includes resources for further investigation of the characteristics of good EMF rese: RF Research agenda updated periodically (1997, 2003, 2006)

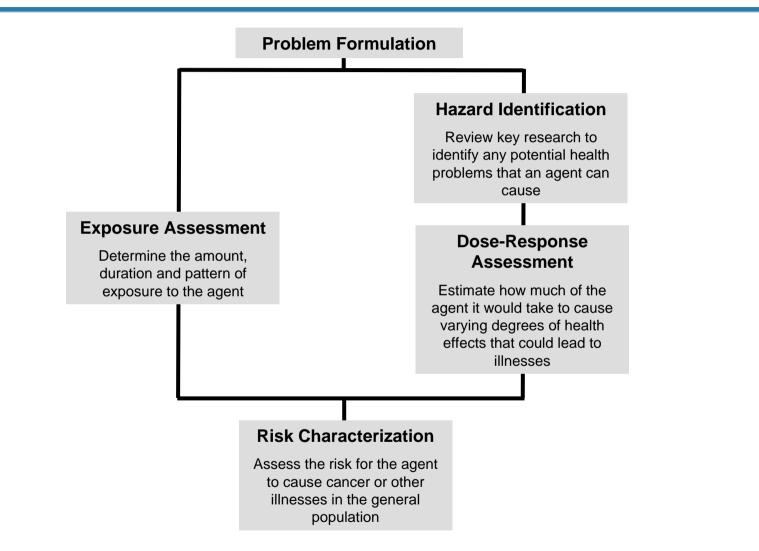




- Review the scientific literature on biological effects of EMF exposure;
- Identify gaps in knowledge requiring research that will improve health risk assessments;
- Encourage a focused agenda of high quality EMF research;
- ☑ Formally assess health risks of EMF exposure,



Health Risk Assessment





WHO Health Risk Assessment

International

EMFProject

Risk assessment of **all health outcomes** (Environmental Health Criteria)

Hazard identification and classification of possible carcinogens (Monographs)

International Agency for Research on Cancer (IARC)

Centre International de Recherche sur le Cancer (CIRC)



Environmental Health Criteria

- Development of an extensive database
 - Peer-reviewed scientific publications (Medline, PubMed)
 - Geographical inclusion
 - Use of unpublished reports
 - Use of reviews by other national and international expert review bodies
- Draft document
- Task Group meeting
- Editing



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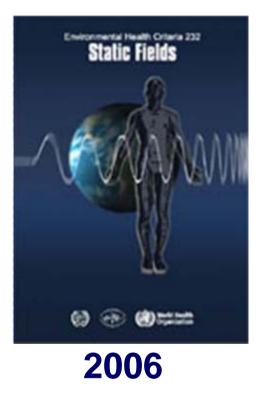
Environmental Health Criteria Contributors

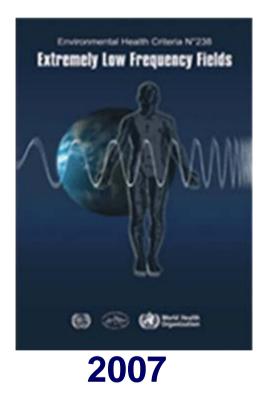
- Chapter authors, expert working group members
- Task Group members
 - Individual scientists, not representatives of their organizations
 - Composition dictated by range of expertise and views, gender and geographical distribution
 - Membership approved by Assistant Director General
 - Role: assess risks to health, reach agreements by consensus, make final conclusions and recommendations that cannot be altered after the Task Group meeting
- Observers
- Secretariat





Health Risk Assessments







- Review the scientific literature on biological effects of EMF exposure;
- Identify gaps in knowledge requiring research that will improve health risk assessments;
- Encourage a focused agenda of high quality EMF research;
- ✓ Formally assess health risks of EMF exposure,
- ☑ Encourage internationally acceptable harmonized standards;



Policy documents



http://www.who.int/peh-emf/standards/



- Review the scientific literature on biological effects of EMF exposure;
- Identify gaps in knowledge requiring research that will improve health risk assessments;
- Encourage a focused agenda of high quality EMF research;
- ✓ Formally assess health risks of EMF exposure,
- ✓ Encourage internationally acceptable harmonized standards;
- ☑ Provide information on risk perception, risk communication, risk management



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We invite public

comment on the draft

Internet

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21 Radiation Research Trust Conference, London 9 Septem

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As part of its Charter to protect public health and in response to public

EMF publications

& information





Ongoing RF Activities

- Promotion of model legislation
- Redesign of EMF standards database
- Guide on RF installations for local authorities
- Guide of good practice on EMF occupational exposure



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Upcoming RF Activities

- Revision of RF research agenda (2008)
- RF health risk assessment



Electromagnetic Fields





Timing

INTERPHONE multinational epidemiologic study

IARC evaluation of **carcinogenic** risks to humans from RF

WHO assessment of all health risks to humans from RF

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World Health Organization

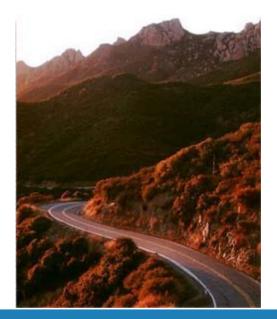
The road ahead

Smooth surfaces

- The WHO comparative advantage
- Dissemination of outputs
- Outreach function to countries

Challenges

- Canvas stakeholder opinions
- WHO priorities
- Funding





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