

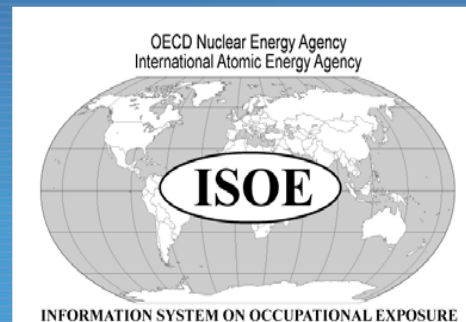
2009 International ISOE ALARA Symposium

Vienna, Austria, 13–15 October 2009

“Commitment of the IAEA to Networking”

R. Czarwinski (IAEA, SH-RSM/NSRW)

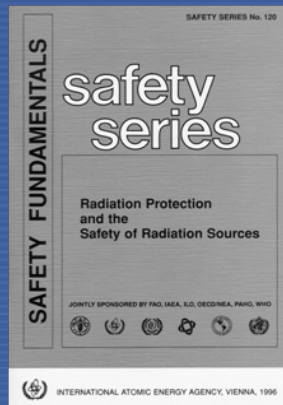
P. Deboodt (SCK/CEN, Belgium)



Introduction : Missions of the Agency

- ✓ BINDING CONVENTIONS
- ✓ INTERNATIONAL STANDARDS
- ✓ PROVISIONS FOR APPLICATIONS

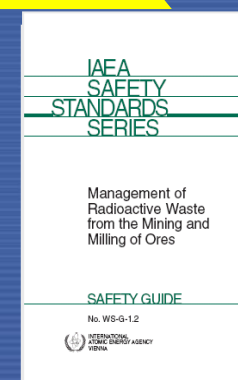
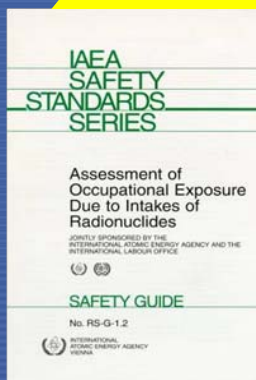
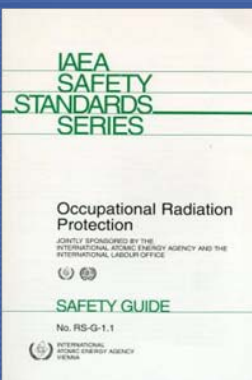
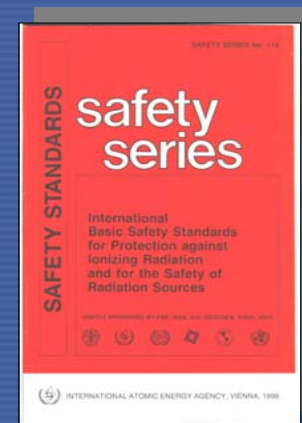
Development of Safety Standards



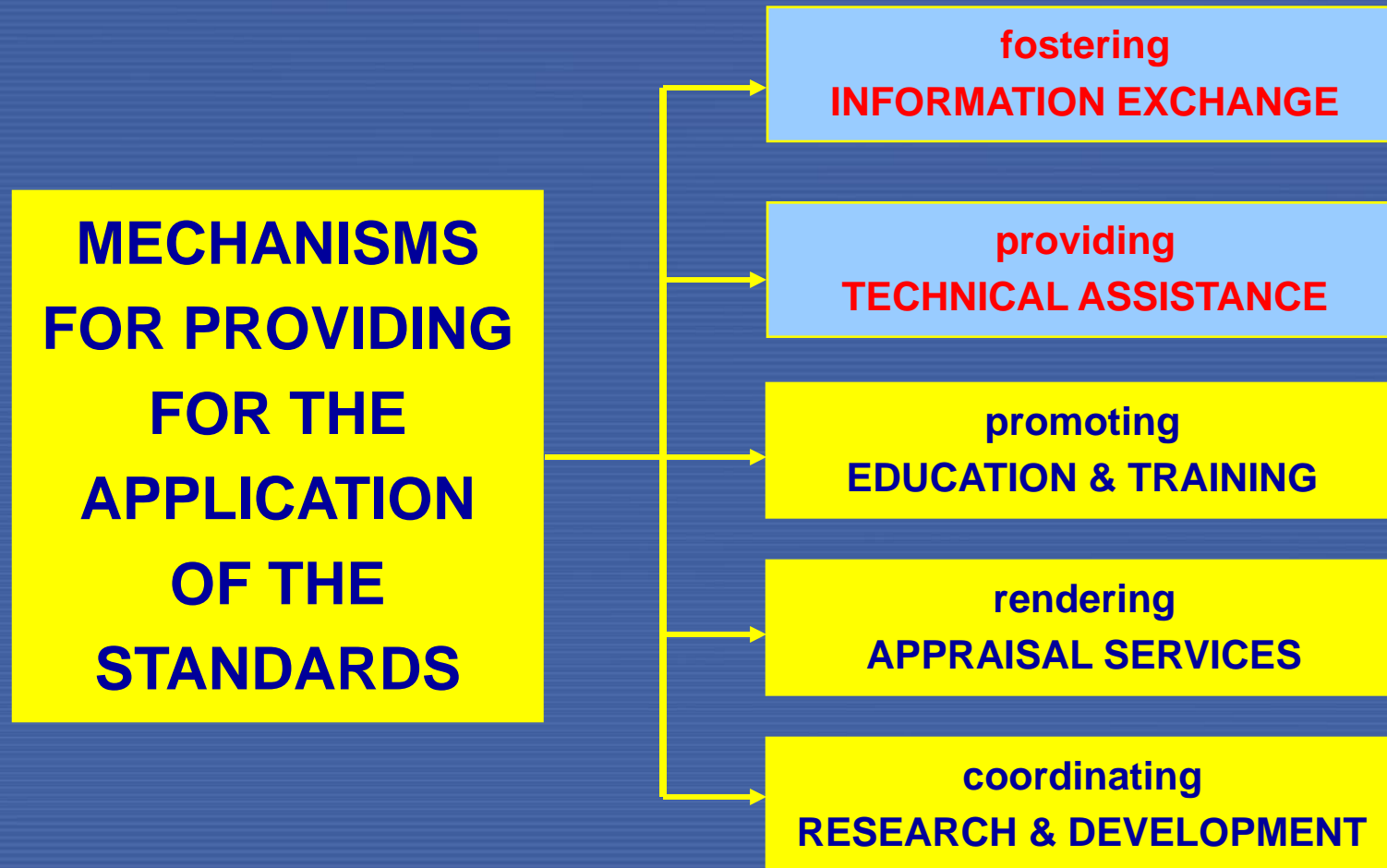
Fundamentals

Requirements

Guides



Provision for the implementation of the Safety Standards



Information System on Occupational Exposure

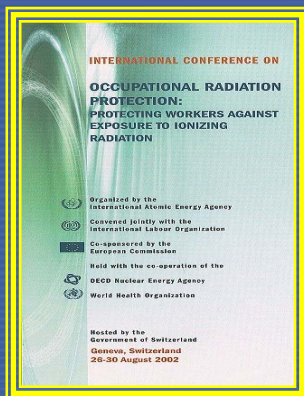
To provide an international forum for
radiation protection experts from
both nuclear power utilities
and regulatory authorities,
to discuss, promote and co-ordinate
international co-operative undertakings
in the area of protection of workers
at nuclear power plants

SUPPORT FROM IAEA

- Secretariat with OECD/NEA
- Technical Centre for 11 non OECD countries⁽¹⁾

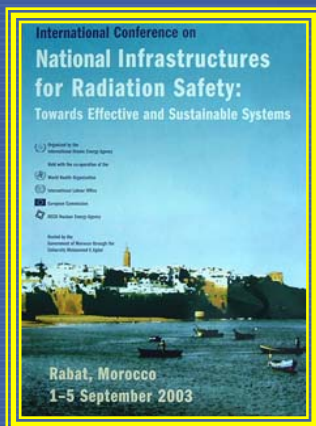
⁽¹⁾ Armenia, Brazil, Bulgaria, China, Hungary, Pakistan, Romania, Russia, Slovenia, South Africa, Ukraine

IAEA commitment in networking



International Conference on Occupational Radiation Protection,
held in August 2002, Geneva, Switzerland

→ International Action Plan on Occupational Radiation Protection



International Conference on National Infrastructures for Radiation Safety,
held in September 2003, Rabat, Morocco

Added value and need for promoting networking is recognized

THE ADDED VALUE OF NETWORKING

- To promote the implementation of the Standards
- To facilitate contact between RA,OP,RPO
- To foster direct contacts between people
- To share experience (good, *bad* practices)
- To initiate the set up of « sub networks »
- Outputs : newsletter , workshops (recommendations), website

RP Networks and IAEA commitment

- European ALARA Network : observer
- EURADOS : participation to ICE
- Radiation Safety Regulator Network
- Regional East European and Central Asian Countries ALARA Network
- West Asian Region ALARA Network
(1st WS November 2008 - 2nd WS October 2009)
- International Action Plan on ORP

RECAN (Short history)

- 2001 – the first meeting in the IAEA on networking
- 2002 – CEEAN established
- 2004 – meeting of the CEEAN and other countries in Vienna
- 2005 – Regional Project RER/9/081 started
- 2005 – 1st workshop, Vilnius, Lithuania
RECAN is “launched”

RECAN (Short history)

- 2006 – 2nd workshop, Cavtat, Croatia
(Implementation of ALARA in Medicine)
- 2007 – 3rd workshop, Brasov, Romania
(Problems in Implementing Practical Optimization)
 - Round Table in IRPA-EUR Programme
 - Terms and Conditions
- 2008 – 4th workshop, Risan, Montenegro
(Problems in the industrial applications of IR Sources)

RECAN (Short history)

- 2009 – 5th workshop, Almaty, Kazakhstan
(Role of the **T**echnical **S**ervices **O**rganizations in Optimization of Radiation Protection)
- 2010 – 6th workshop, Larnaca, Cyprus
(“Improving optimization of **RP** through Education and Training”
(title to be confirmed))
- 2011 – 7th workshop (Georgia or Moldavia ?)



Information System on Exposures in Medical, Industrial and Research areas

- Was initiated in 2008 (AG, ToR, WG1)
- Background :
 - lack of detailed, operational and feedback information
 - need for “reaching” the actors on the field
 - potential support to UNSCEAR⁽¹⁾
- Objectives
 - To help to improve occupational radiation protection programmes in medical, research and industrial areas
 - To contribute to minimize the probability for accidents, e.g. by identifying pre-cursors, user’s feedback and experience

Working Group 1 on Interventional Cardiology

Survey on occupational radiation protection in IC

Responses from: 200 Interventional Cardiologists from 32 countries
81 Regulatory Bodies from 55 Member States

Results included, among others :

Few Regulatory Bodies have good data on occupational doses of interventional cardiologists

Reported dose data significantly under-estimate personnel doses

Training in radiation protection improved the use of protective equipment

NETWORKING IS STILL FACING CHALLENGES...

- How to reach sustainability ?
- How to avoid redundancy / overlapping ?
- How to reach the stakeholders ?
- How to assess the performances ?
- Internet : the next generation for networking ?

IAEA PERSPECTIVES ... ?

- To increase its support to networks and to facilitate their sustainability (Africa, Latin America)
- To provide for a central contact point (Action 7 of the International Action Plan on ORP)
- To finalize its networking policy
- To ensure the “coverage” of all its MS

IAEA PERSPECTIVES ... ?

- Integration of Safety-Security issues
- Networking and “New Nuclear Age” and “New Embarking Countries” ?

Thank you for your attention



IAEA