

*The Importance of Building
and Enhancing Worldwide
Industry Cooperation
in the Areas of:*

*Radiological Protection, Waste
Management and Decommissioning*

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WNA approach to building and enhancing industry cooperation

As manifested through two WNA WGs on:

- Radiological Protection (RP)
- Waste Management and Decommissioning (WM&D)

RPWG and WM&DWG Membership (by organization)

AREVA (France)

AREVA NC (France)

AREVA NC (Canada)

Arius (Switzerland)

BARC (India)

Barsebackkraft (Sweden)

Belgonucléaire (Belgium)

BNFL-BNG (UK)

Cameco (Canada)

Conuar (Argentina)

CEZ (Czech Republic)

CNNC (China)

CRIEPI (Japan)

Duke Energy (USA)

EDF (France)

Enusa (Spain)

E.ON (Germany)

EPRI (USA)

ERA (Australia)

Foratom (Europe)

IBRAE (Russia)

IAEA (Japan)

Janus (Japan)

JNFL (Japan)

KANSAI (Japan)

Kazatomprom (Kazakhstan)

KKG (Switzerland)

Kyushu Electric Power (Japan)

NEI (USA)

NPCIL (India)

NOK (Switzerland)

OPG (Canada)

PAEC (Pakistan)

Progress Energy (USA)

RIARA (Russia)

RIAR (Russia)

RWE NUKEM (UK)

RWE Power (Germany)

Shikohu Electric Power (Japan)

Tepco (Japan)

UCIL (India)

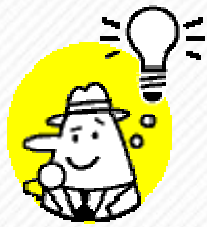
WM Mining Inc (USA)

Tenex (Russia)

Vattenfall (Germany)

IAEA (International)

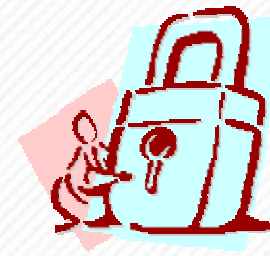
What do you gain from this WNA cooperation?



The overall benefit for the industry is to maximize its:

- Knowledge of and impact on international and national debates
- Use of the worldwide industry's expertise

What's the problem?



Nuclear power is ramping-up after a long period of stagnation

There is a shortage in the population of mid-career nuclear professionals

This shortage is even more pronounced in some specific expertise areas such as RP and WM&D

Industry cooperation is the key



To helping the global industry get around this shortage of expertise

The working model is simple:

It is about sharing the burden of providing industry expertise to constructively tackle common key issues that the industry is facing

How this industry cooperation works

RPWG and WM&DWG each serve as a global industry expert forum for:

- Exchanging/sharing info, and analysing data/issues
- Developing views/positions/strategies that are implemented to advocate the industry case
- Coordinating the representation of the worldwide nuclear industry interests in key international forums

Key examples: Common issues to tackle

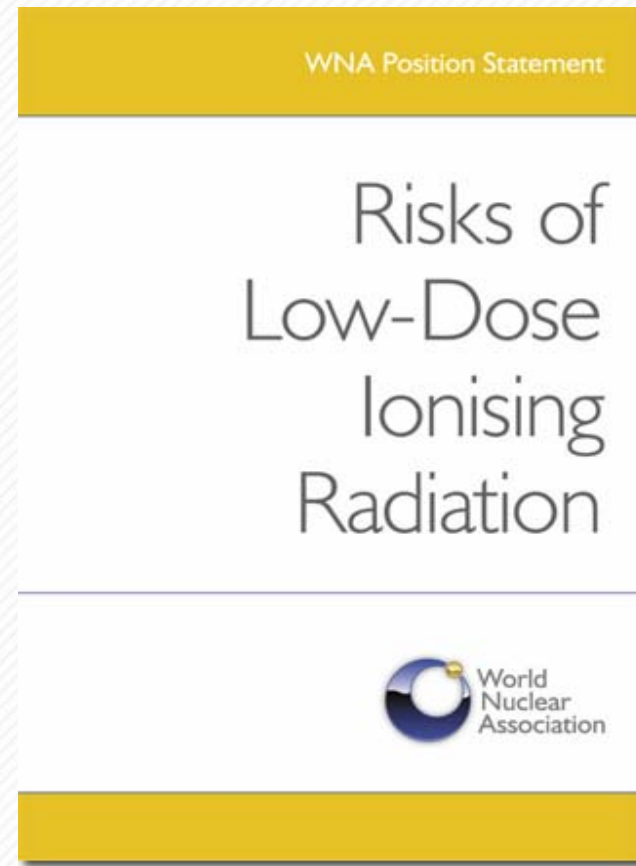
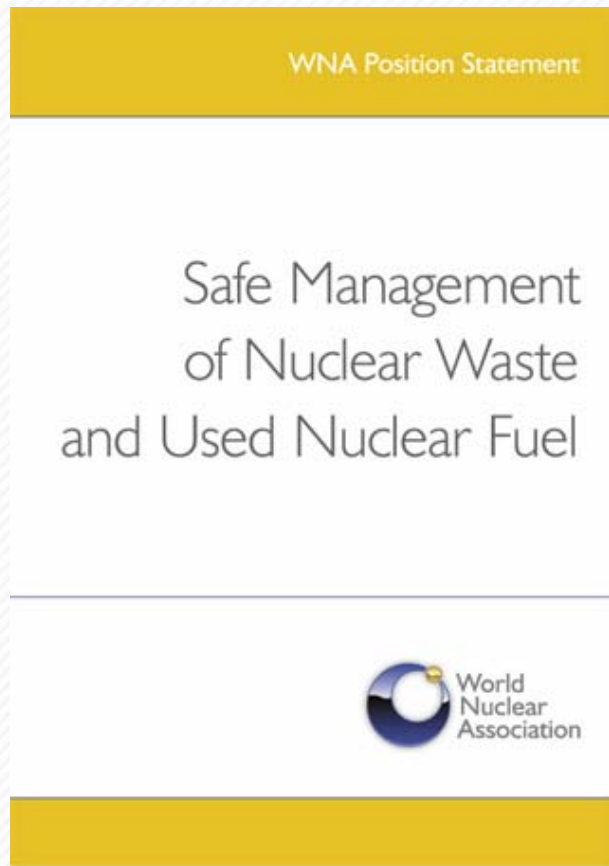
- 1) IAEA's on-going review of its Basic Safety Standards
- 2) ICRP's evolving draft proposal on the revision of its international RP recommendations
- 3) The concepts of exemption and clearance of radioactive materials/wastes
- 4) Public support for the safe management of nuclear waste and used nuclear fuel
- 5) The emerging topic of the RP animals and plants

Key examples: Views and positions

- 1) WNA views on the on-going IAEA review of its Basic Safety Standards
- 2) WNA views on the evolving draft proposals of the ICRP's next recommendations and... on the scope of RP regs
- 3) WNA WG Position Statement on Removal of Material Containing Radioactivity - Exemption and Clearance
- 4) WNA Key Messages on *RP of the Environment*

Publicly available: <http://www.world-nuclear.org>

Examples: WNA's Position Statements



Examples: WNA's Position Statements

NEW

WNA Position Statement

Safe Decommissioning
of Civil Nuclear
Industry Sites

...from Safe to
Restore for Re-Use

...to new build as
the best re-use



Examples: Global nuclear industry representation in key international forums

IAEA, ICRP, OECD/NEA



WNA acts as the global industry's unified voice in deliberations that shape policies/standards which govern our industry activities

In particular, WNA participates in IAEA Standard Committees on:

- Radiation Safety (RASSC), Waste Safety (WASSC), Nuclear Safety (NUSSC)

WNA approach to building and enhancing industry cooperation - Already a success

It is already well established and is being manifested through important activities

Nuclear operators clearly see the benefits of pooling the available industry experts for common causes

Correspondingly, the number of industry experts in the WNA WGs is steadily increasing and strengthening

Going further with industry cooperation

Let's start with the existing regional/country industry cooperation

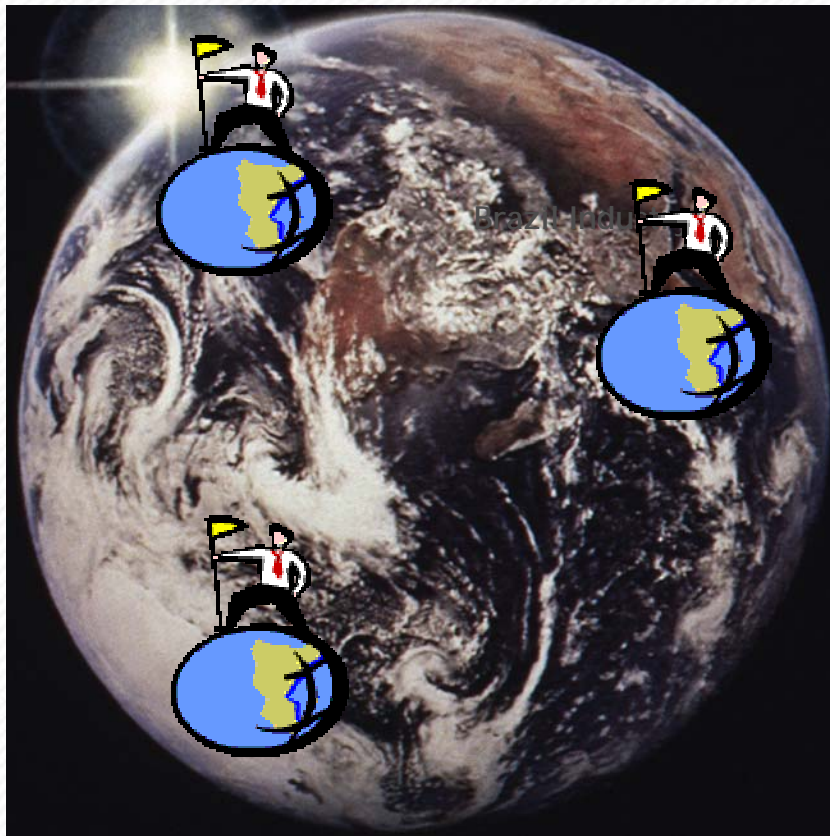
Enhance it (reciprocally) by becoming part of the WNA global industry's cooperation

The basic model is simple:

For each world region or country, a few key industry experts, who are leaders, would join the WNA WGs

Going further with industry cooperation

WNA- The global nuclear industry forum for cooperation



The added value of “industry regional/country cooperation” ...

as part of the “industry worldwide cooperation”

is a recognized approach by the IAEA, which promotes it for its Member States

Why should you get involved?



The move towards the globalization of standards is underway and will intensify

There is a good chance that standards will be developed without your involvement

As a single company, what are the chances of impacting on the international deliberations?

What do you gain from this WNA cooperation?



Take Home Message...

The overall benefit for the industry is to maximize its:

- Knowledge of and impact on international and national debates
- Use of the worldwide industry's expertise

We encourage key industry experts to become members of the WNA WGs



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- Thank you for your attention
 - Questions ?
 - Contacting us: <http://www.world-nuclear.org>

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