

OECD Nuclear Energy Agency NEA

The NEA's Committee on Radiological Protection and Public Health (CRPPH)

Mike Boyd




- US EPA
- CRPPH Chair

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The NEA: A Forum for Co-operation for the Most Advanced Countries in the World


- Founded in 1958
- 33 member countries
- 8 standing technical committees
- 75 working parties and expert groups
- 21 international joint projects

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OECD/NEA Membership



- Argentina
- Australia
- Austria
- Belgium
- Canada
- Chile
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland
- Ireland
- Israel
- Italy
- Japan
- Korea
- Luxembourg
- Mexico
- Netherlands
- New Zealand
- Norway
- Poland
- Portugal
- Romania
- Russia
- Slovak Republic
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom
- United States

OECD and NEA member
 OECD member, not NEA
 NEA member, not OECD

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What is Needed?

- Inter-generational knowledge management
- Clear career path development
- Communications strategy and training

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The International Radiological Protection School (ISRP)

Preparing Tomorrow's Radiological Protection Leaders by Learning from Today's Experts

1. Capture knowledge and nuances of why and what the RP system is today
→ transfer the "spirit"
2. Present the history of the RP system development
→ transfer the "meaning"
3. Present the latest epidemiology, radiation biology, and social science
→ state-of-the-art in RP
4. Evaluate and discuss how the RP system may evolve
→ what is on the horizon
5. Put the RP system into the context of RP culture
→ critical understanding of the system
6. Develop a network of RP excellence among participants
→ build a new community of expertise

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IRPS

- When: 20 – 24 August 2018
- Where: Hosted at Stockholm University, Sweden
– University and CHP credits
- Supported by Swedish Radiation Safety Authority (SSM)
- Target Audience: Mid-career RPs
- Limited to ~ 30 participants
- Applications due 30 April 2018
- <http://oecd-nea.org/rp/irps/>

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Career Framework Elements

- Countries have some or all of these career framework elements
- But few countries have a "critical mass" of interested students AND sufficient career framework elements

What is Needed?

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Possible Path Forward

- Mutual recognition of professional certifications and qualifications (not thus-far successful)
- Discussion of an internationally-agreed career-path framework
 - Agreed framework element organisations
 - Broad agreement that RP workers should be encouraged to go where RP expertise is needed
 - Broad agreement that RP framework element organisations should generally accept workers educated and trained in other countries

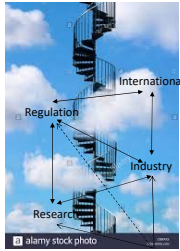
LOTS OF ISSUES!

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RP Career Framework

- **Education and training are essential but insufficient**
- **A clear career path is needed, and could (should) include:**
 - Education
 - Post-grad university research
 - National laboratory / industrial research
 - Hands-on industrial work
 - Regulatory work
 - International organisation work
 - University teaching / research
- **International RP Career Path Framework Needs**
 - Recognition of standard-level qualification (IRPA)
 - Career path framework communications strategy
 - Web library of good training materials



alamy stock photo Studies

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Communications Strategy

- RP is a career with a clear future
 - Nuclear Power
 - Medical
 - Industry
 - Research
- There are many interesting challenges
 - Waste management
 - Low-dose effects
 - Protection of the environment
 - Stakeholder involvement
 - Etc.

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Training in Stakeholder Interactions

- The public, elected officials, management, other stakeholders would generally prefer to speak with an expert rather than a communications officer
- But experts should be able to speak to any type of stakeholder in a language that THAT stakeholder can understand
- Training in such communications should become a standard part of university curricula

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