

The IAEA International Conference on Human Resource Development for Nuclear Power Programmes (2014)

Fifth Meeting of the Steering Committee of the GNSSN (December 2014)

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IAEA

International Atomic Energy Agency

Outline of this presentation

- About the Conference
- Summary and Conclusions
- Status and Next Steps

About the Conference

- Title
 - International Conference on **Human Resource Development** for Nuclear Power Programmes
 - **Building and Sustaining Capacity** – Strategies for Education and Training, Networking and Knowledge Management
 - 12 to 16 May 2014, IAEA HQ
- Attendance
 - **65 Member States**
 - 5 international organizations
 - **300 participants** (appr.)

About the Conference

- **Two IAEA Departments**
 - Nuclear Safety and Security
 - Nuclear Energy
 - Scientific Secretaries
 - Sh. Mallick (IAEA NS)
 - B. Molloy and Z. Pasztory (IAEA NE)

About the Conference

- Structure
 - Interactive sessions and closing panel (all chairs)
 - **Summary and conclusions by conference president**
- President and Chairs
 - President: M. Ziakova, Slovakia
 - Rapporteur: P. Gowin, Germany
 - Session chairs: D. Louvat, France; J. Isotalo, Finland; Ph. Beeley, U.K. / UAE; M. Ziakova, Slovakia; K. Huda, Indonesia

History

- Predecessor and Motivation
 - International Conference on Human Resource Development for Introducing and Expanding Nuclear Power Programmes (UAE, 2010)
 - **Nuclear Safety Action Plan (NSAP) (2011)**
 - Action on capacity building
- Related
 - IAEA General Conferences
 - International Conference on Knowledge Management in Nuclear Facilities (2007)
 - International Conference on Nuclear Security (2013)

Themes

- Capacity building comprises
 - human resource development
 - education and training
 - knowledge management
 - knowledge networks
 - ... at the national, regional and international level
- "Umbrella Approach"

Summary and Conclusions

- Insight 1: **Drivers** for capacity building are **manifold**
 - Newcomers – build new capacity
 - Expanding programmes – workforce expansion
 - Mature – secure stability
 - Plus: **nuclear safety and security requirements provide strong drivers** (ref. NSAP)

Summary and Conclusions

- Insight 2: The **world has changed** since 2010
 - Changes
 - New programmes
 - Globalization
 - Decommissioning
 - Lessons learned from Fukushima
 - Responses
 - **Member States and IAEA responded**
 - New activities, e.g. *Capacity Building Self-Assessment Methodology*, new networks
 - **Now: implement** capacity building programmes based on **proven mechanisms**

Summary and Conclusions

- Insight 3: Need to cover **full nuclear programme**
 - All phases (cradle ... grave)
 - All facilities (waste ... NPP)
 - All stakeholders (research ... TSOs)
 - All subjects (technology ... management)
- Insight 4: Need to cover **all levels**
 - Individual
 - Corporate
 - National and governmental
 - Global

Summary and Conclusions

- Insight 5: **Reducing boundaries**
 - Nuclear professionals benefit from non-nuclear knowledge
 - Professionals outside nuclear sector benefit from understanding nuclear subjects
 - Plus: outreach to society at large

Summary and Conclusions

- Other findings (excerpts)
 - HR needs analysis done more systematically
 - Progress in HR development
 - Improving the education and training pipelines (SAT)
 - Strategic outreach plans (nuclear into society)
 - Importance of **national capacity building plan or strategy**
 - Role of **Governements**
 - Networks deemed most valuable
 - Long-term character of capacity building

Summary and Conclusions

- Invitations
 - IAEA invited to **continue** support and programmes
 - Member States invited to **make use of available support**
- Overall
 - A very productive conference
 - New insights
 - Confirmation of right track

Status and Next Steps

- Closing Statement
 - **Published** (IAEA website)
- Conference Proceedings
 - Draft ready
 - Expect publication in Q1/2015