

67th REGULAR SESSION OF THE IAEA GENERAL CONFERENCE

SENIOR SAFETY AND SECURITY REGULATORS' MEETING

Regulatory Effectiveness: RegCon2023 "Call for Action"

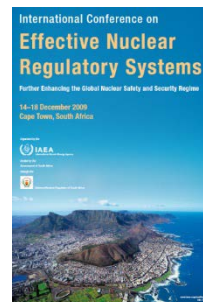
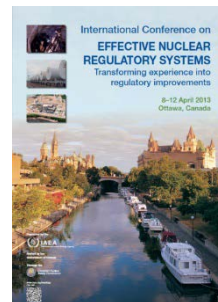
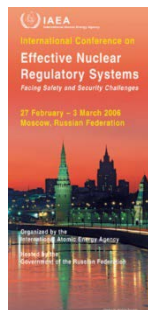
*Shahid Mallick
Director, Office of Safety and Security Coordination
Department of Nuclear Safety and Security, IAEA*

Conference History



This regulatory conference, held in in Abu Dhabi in February 2023, was the sixth in the series of conferences on Effective Regulatory Systems.

- **2006** Moscow - *Facing Safety and Security Challenges*
- **2009** Cape Town - *Further Enhancing the Global Nuclear Safety and Security Regime*
- **2013** Ottawa - *Transforming experience into regulatory improvements*
- **2016** Vienna - *Sustaining Improvements Globally*
- **2019** The Hague - *Working Together to Enhance Cooperation*



RegCon2023 – Structure, Topics & Participants



- ❖ **Conference President:** Mr. Hanson, Chairman of the NRC (USA)
- ❖ **Conference Vice-President:** Mr. Viktorsson, Director General of FANR (UAE)
- ❖ **Members of the Programme Committee:** High-level authorities from different Member States
- ❖ **IAEA Secretariat for the Conference:** Mr. Mallick, DIR-NSOC

❖ Opening Session

❖ Six Topical Areas discussed in:

- 5 Technical Sessions
- 5 Panel Discussions
- One Special Panel

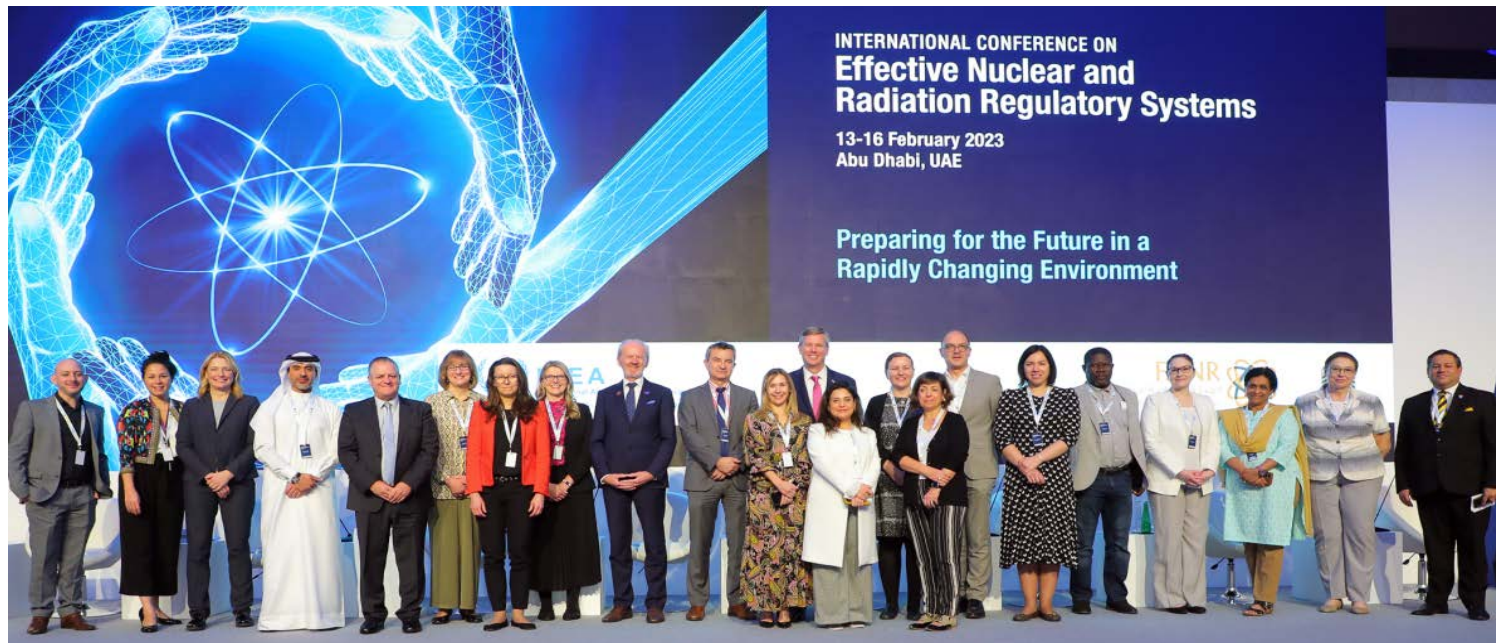
❖ Two Side Events

❖ 68 Papers presented

❖ Closing Session

624 Official Participants from **95** Member States and **3** International Organizations

Summary and Conclusions and Call for Action



Call for Action by the President and Vice-President of the Conference



- 1 Leadership:** invest in people skills and capabilities, develop next generation, be brave and intentional.
- 2 Organizational Readiness and Agility:** proactive development of frameworks, adaptive management, environmental scans (market, national policies, natural hazards) for course adjustment.
- 3 Trust:** demonstrate competence, openness, and impartiality
- 4 Collaboration and capacity building:** joint reviews (harmonization), region-focused capacity building, best practices.

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1 Leadership: invest in people skills and capabilities, develop the next generation, be brave and intentional.

IAEA Publications related to Leadership



19 IAEA Schools on Nuclear and Radiological Leadership for Safety held between 2017 and August 2023

400+ young professionals trained worldwide



15 training courses on Leadership, Management and Culture for Safety

350 participants in the last 3 years



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2

Organizational Readiness and Agility: use proactive planning frameworks and adaptive management techniques to assess the environment, plan for the future, and address the unexpected.

Nuclear Harmonization and Standardization Initiative (NHSI)

The NHSI is an initiative that aims to advance the harmonization and standardization of SMR design, construction, regulatory and industrial approaches. The initiative is comprised of two separate but complementary tracks: the NHSI Regulatory Track and the NHSI Industry Track.



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2

Organizational Readiness and Agility: use proactive planning frameworks and adaptive management techniques to assess the environment, plan for the future, and address the unexpected.

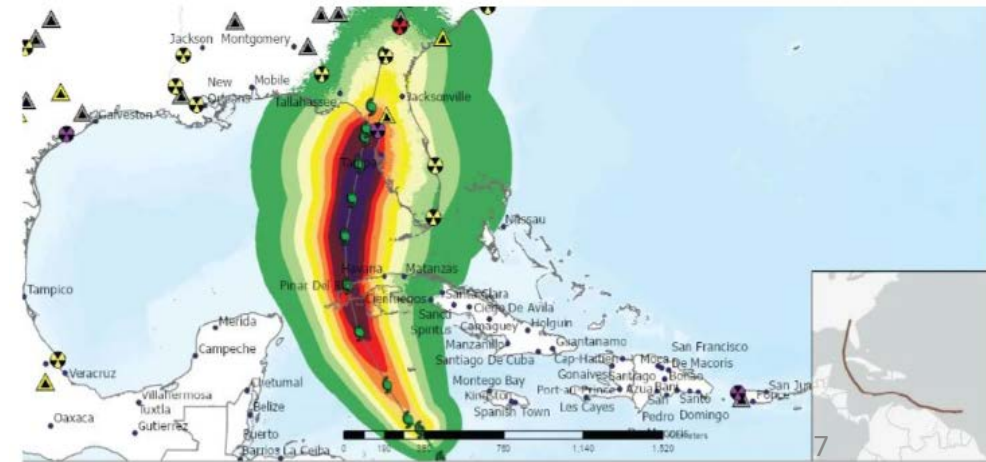
Participation of the IAEA in



CRP on Climate Change Challenges to the Safety of Nuclear Installations



External Events Notification System (EENS)

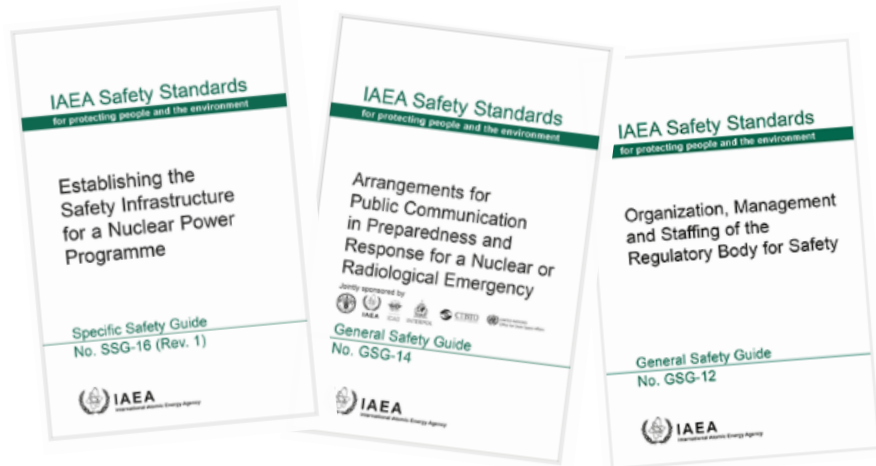


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3 Trust: demonstrate competence, openness, and impartiality.

IAEA Publications related to Trust



CONVEX-3

held in 2021 in the UAE

- 77** Member States
- 12** International organizations
- 112** Laboratories worldwide provided rapid gamma spectrum analysis results

Global Nuclear Safety and Security Communication Network (GNSSCOM)



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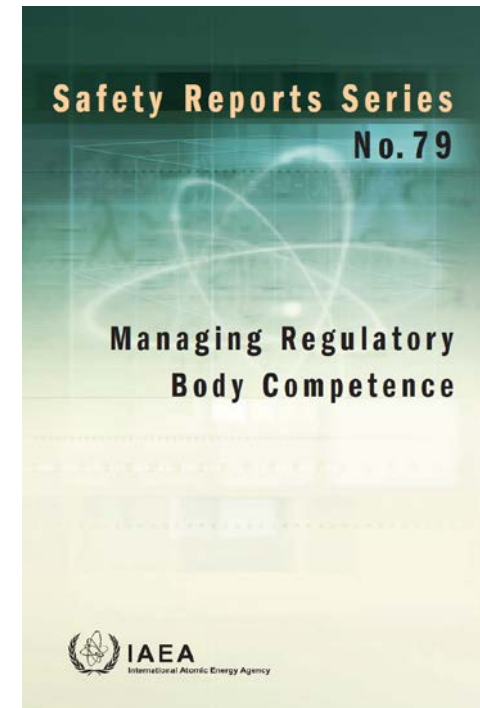


- 4 **Collaboration and capacity building:** accelerate progress by engaging in joint reviews (harmonization), region-focused capacity building and sharing of best practices.

Capacity Building Model



Managing Regulatory Body Competence



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- 4 Collaboration and capacity building:** accelerate progress by engaging in joint reviews (harmonization), region-focused capacity building and sharing of best practices.

Postgraduate Educational Course (PGEC) in Radiation Protection and the Safety of Radiation Sources

First held: 1981 in Argentina

Objective: To provide a sound basis in radiation protection and the safety of radiation sources. Includes both theoretical and practical training on the multidisciplinary scientific and technical foundations of international recommendations and standards on radiation protection and their implementation.

Number of participants since 1981: 2152

600 hours distributed over 20 weeks

12 Regional Training Centres

5 UN languages plus Portuguese

IAEA Nuclear Security Training and Demonstration Centre



A wireframe illustration of four hands, two on the left and two on the right, holding a glowing atomic model in the center. The atomic model features a bright yellow nucleus with several blue elliptical orbits. The hands and the entire scene are rendered in a light blue, wireframe style against a light blue background.

THANK YOU FOR YOUR ATTENTION!