FORO activities enhance nuclear safety and radiation protection in Ibero-America

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Chairman of FORO Steering Committee

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About FORO

FORO
- Association of **Nuclear and Radiological regulators** with the aim of promoting Radiation Protection, Nuclear Safety and Security at the highest level in the region.

Vision
- Fruitful environment for strengthening safety through exchange of information and practices and a **robust technical and scientific program** in matters of mutual interest.

Mission
- Promoting of safety, **enhancing the harmonization** of regulatory practices and cooperating with national, regional and international organizations (**IAEA, WHO, ICRP, IRPA, ...**) and associations with similar objectives.

Our language: Spanish

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<table>
<thead>
<tr>
<th>Country</th>
<th>Organization</th>
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<tr>
<td>Argentina</td>
<td>Autoridad Regulatoria Nuclear</td>
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<td>Brasil</td>
<td>Comissão Nacional de Energia Nuclear</td>
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<td>Chile</td>
<td>Comisión Chilena de Energía Nuclear</td>
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<td>Colombia</td>
<td>Ministerio de Minas y Energía</td>
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<td>Cuba</td>
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<td>Spain</td>
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<td>Mexico</td>
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<td>Paraguay</td>
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<td>Uruguay</td>
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FORO develops its Technical Program giving **priority to regional and national needs** and taking into account the IAEA’s Programme of Activities.

FORO projects are of **regulatory interest** and **innovative**. There is no duplication with other international organisations.

FORO projects are financed through an **IAEA Extra-Budgetary Program**, with **contributions from its members only**.

**100 regulatory experts** have already shared experiences, good practices and lessons, addressing problems by means of technical projects and making the results available to others.
FORO Areas of Interest

- Radiation protection of workers
- Radiation protection of patients
- Radiation protection of public and environment
- Emergency preparedness and response
- Accident and Incident Investigation
- Control of radiation sources
- Decommissioning of installations
- Radioactive waste management
- Nuclear safety
- Capacity building
- Transport of radioactive material
- Legal issues
- Human and organizational factors
- Nuclear security

Knowledge Management – La RED (network)
FORO Projects (1)

Issue Identification from Areas of Interest
National regulatory or IAEA's proposal

Identification of experts
National regulatory and IAEA's experts

Draft of Project
(objectives, time schedules, costs...)

Technical revision
Steering Committee (Senior Experts), CTE

Approval
Board of Chairpersons, Plenario
Ten completed projects

- Prevention of **accidental exposures in radiation therapy** through the application of probabilistic risk assessment (**SEVRRRA tool**)
- Collaborative approaches between regulatory and health authorities for **regulatory control of medical exposures**
- Assessment and inspection of **NPPs’ ageing management and long-term operation**
- Control of **inadvertent radioactive material** from scrap metal in recycling industries
- Assessment of **stress tests performed to NPPs** in the FORO countries
- Harmonization of regulatory criteria in **emergency preparedness and response**
- Licensing of **cyclotrons for the production of radionuclides** for P.E.T.
- **Capacity building for regulatory staff** related to the safety of nuclear reactors.
- **Safety culture** on practices involving the use of ionizing radiation
- Risk assessment methodology for **industrial practices**
FORO Projects (3)

Three projects under development

- Clearance criteria in radioactive installations.
- Capacity building for regulatory staff for medical and industrial installations.
- SEVVRA Tool for advanced medical applications (Intensity Modulated Radiation Therapy and Diagnostic Nuclear Medicine).

Four areas of interest for future projects

- NPPs operators licensing.
- Inspection practices in Research Reactors.
- Nuclear Security / Physical Protection.
- Transport of nuclear and/or radioactive material.
Promotion of results

Ibero-American Knowledge Sharing Network (La RED) to facilitate and enhance knowledge sharing among its members, the staff from other regulatory agencies and public in general.

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Sharing a common language, borders and history, regulators from the Region are invited as observers to FORO meetings and to exchange knowledge through La RED.

- Participation of IAEA’s experts in FORO projects
- **Strategic partnership**: IAEA is FORO’s technical reference organization
- FORO experts participate in **TC workshops** to share FORO results
- IAEA-FORO **joint publications** of FORO results.
El Foro Iberoamericano de Organismos Reguladores Radiológicos y Nucleares (FORO) fue constituido en 1997 como una asociación dedicada a contribuir y promover la seguridad nuclear, radiológica y física en la región iberoamericana.

El FORO está constituido por los organismos reguladores radiológicos y nucleares de Argentina, Brasil, Chile, Cuba, España, México, Perú y Uruguay. Ver más.
6) Requests the Secretariat to strengthen its cooperation with the regional regulatory organisations FORO, ENSREG and WENRA in areas of mutual interest, and further requests the Secretariat to promote wide dissemination of technical documents and outcomes of projects developed by these organisations;
IAEA acts as the Scientific Secretariat of FORO: being the main scientific reference, IAEA’s experts participate in the development of FORO Projects.

IAEA administers the FORO founds through an Extra-Budgetary Programme.

IAEA publishes FORO results and/or uses them to develop guidance or normative.

IAEA contributes with FORO to the spread of FORO results in Ibero-American Region (in Spanish) and worldwide.

IAEA supports translation of FORO results into other UN languages.
FORO Cooperation with other organisations

- The FORO values cooperation with other organizations while maintaining its independence;
- Main counterpart: IAEA
- World Health Organisation (WHO) and Pan-American Health Organisation (PaHO) cooperated with FORO in the field of radiation protection to patients;
- General Secretariat for Ibero-America (SEGIB) contributes to the spread of FORO results in the region;
- FORO is Special Liaison Organisation of the International Commission on Radiological Protection (ICRP);
- MoU with International Radiation Protection Association (IRPA) in areas of mutual interest;
- MoU with the European Technical Safety Organisations Network (ETSON) to enhance Nuclear Safety and Radiation Protection.
International Cooperation

➢ To create an environment of cooperation taking into account FORO’s principles of independence, equity and a rigorous technical program aimed at exchanging experience and knowledge among regulatory bodies,

➢ To promote and spread among other regions our results and their contribution to radiation protection, nuclear safety and security.

➢ To optimize the efforts and resources and to maximize the existing complementary roles of other networks and associations to achieve objectives at optimal costs.

➢ To continue developing innovative high level technical projects and activities in radiation protection, nuclear safety and security.

➢ Share results with other associations and networks in the frame of IAEA’s General Conference.

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Thank you!
¡Muchas gracias!