

# FORO



Foro Iberoamericano de Organismos Reguladores  
Radiológicos y Nucleares





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

**Alfredo de los Reyes**  
**Chairman of FORO Steering Committee**

*GNSSN Plenary Meeting*  
*September 2016*

# 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**

# FORO Members

ARGENTINA



Autoridad **R**egulatoria **N**uclear

BRASIL



Comissão **N**acional de **E**nergia **N**uclear

CHILE



Comisión **C**hilena de **E**nergía **N**uclear

COLOMBIA



Ministerio de **M**inas y **E**nergía

CUBA



Centro **N**acional de **S**eguridad **N**uclear

SPAIN



Consejo de **S**eguridad **N**uclear

MEXICO



Comisión **N**acional de **S**eguridad **N**uclear y **S**alvaguardias

PARAGUAY



Autoridad **R**eguladora **R**adiológica y **N**uclear

PERU



Instituto **P**eruno de **E**nergía **N**uclear

URUGUAY



Autoridad **R**eguladora **N**acional en **R**adioprotección

# FORO Program



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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

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

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

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**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

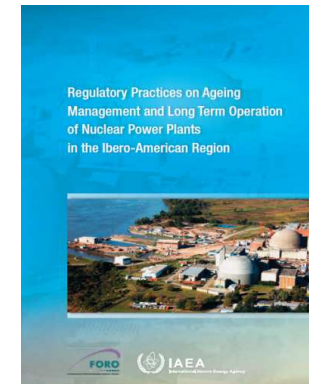
**Identification of experts**  
National regulatory and IAEA's experts

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

**Technical revision**  
Steering Committee (Senior Experts), *CTE*

**Approval**  
Board of Chairpersons, *Plenario*

FORO Secretary



## FORO Projects (2)

### 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)

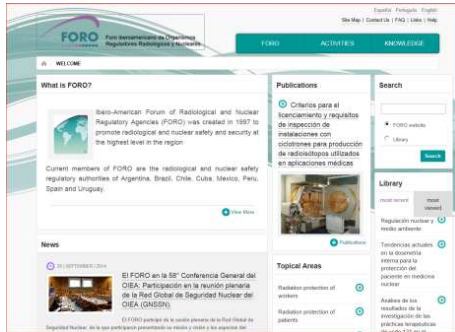
### Three projects under development

- ✓ **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.

[www.foroiberam.org](http://www.foroiberam.org)



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.



**IAEA**

International Atomic Energy Agency

*Atoms for Peace*

[www.foroiberam.org](http://www.foroiberam.org)

- 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.

# FORO's RED

Español | Português | English  
Mapa del sitio | Contacto | FAQ | Enlaces de interés | Ayuda

**FORO** Foro iberoamericano de Organismos Reguladores Radiológicos y Nucleares

EL FORO | ACTIVIDAD | CONOCIMIENTO

BIENVENIDO

¿Qué es el FORO? ← What is FORO? Publications → Nuestras publicaciones

 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](#)

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Fondo documental ← Documentary Collection

Buscar

**Fondo documental** ← Document Area

lo más reciente: [Recent](#) lo más visitado: [Most viisited](#)

Manual del curso de Posgrado en Protección Radiológica y Seguridad de las Fuentes de Radiación 2008

 Resultados del análisis probabilista de seguridad de tratamientos de radioterapia con acelerador lineal.

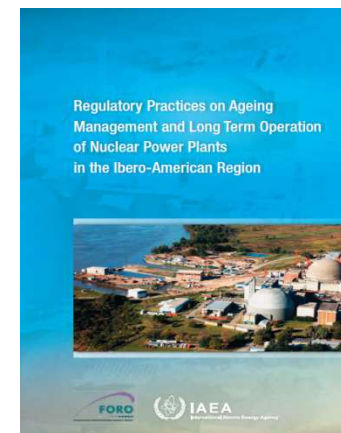
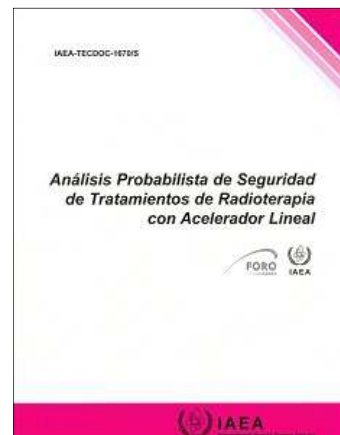
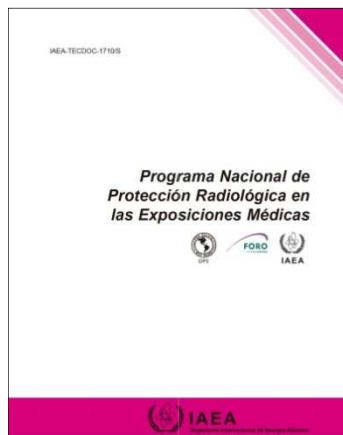
+ Publicaciones

Noticias

25 | MARZO | 2013

## IAEA GC 2013 and 2014: Measures to strengthen international cooperation in nuclear, radiation, transport and waste safety

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;



## FORO - IAEA

- IAEA acts as the **Scientific Secretariat** of FORO: being the main **scientific reference**, IAEA's experts participate in the development of FORO Projects.
- IAEA **administrates** the FORO funds 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**.



***Thank you!***

***¡Muchas gracias!***