

REPROLAM is the regional Network for Latin America and the Caribbean, which was established under the Technical Cooperation Project RLA / 9/066 "Strengthening and Updating Technical Capabilities for the Protection of Health and Safety of Workers Occupationally Exposed to Ionizing Radiation"

Goals



To facilitate the exchange of information and an integrated practical approach to the principle of optimization of occupational radiation protection.

To maintain, to improve and to develop levels of competence in radiation protection in both normal and emergency situations.

To Harmonize occupational radiation protection policies and practices.

To identify and to survey public interest topics.

To contribute to integration and cooperation

Working groups

Internal dosimetry

- To facilitate regional cooperation among internal dosimetry analysts.
- To harmonize methodologies for internal exposure control, evaluation and in vivo and in vitro measurements of workers, patients and the public.
- To train interested stakeholders on the calibration of internal dosimetry equipment, monitoring and evaluation of internal exposure. To facilitate the implementation of intercomparison programs for in vivo and in vitro measurement techniques, as well as of intercomparison exercises on internal exposure doses evaluation.
- To disseminate knowledge regarding internal dosimetry, events and related news among all stakeholders.

External dosimetry

- To promote technical development of the individual monitoring services in the region.
- To contribute to the harmonization and compliance with international standards for individual monitoring services. To improve and develop the education and training of the staff of external dosimetry laboratory. To disseminate the knowledge about individual monitoring among all stakeholders. To strengthen the cooperation and mutual technical recognition between individual monitoring services, as well as their association with other similar organizations and institutions.

Biological dosimetry

- To contribute to the development and application of cytogenetic assays within the framework of radiation protection and emergency response programs, in order to strengthen the operational capacities in the region.

Safety culture

- To disseminate fundamental knowledge on Safety Culture in radioactive activities and facilities, in order to foster and to encourage its development through the application of the Safety Culture Guidelines of the Ibero-American Forum of Radiological and Nuclear Regulatory Agencies (FORO).

Safety assessment

- To provide technical knowledge on the safety assessment process for facilities and activities that use ionizing radiation.
- To train end users to perform safety evaluations, and regulators for their revision.

End users

- To update and to harmonize occupational radiation protection concepts.
- To clarify and strengthen methods and procedures of occupational medical surveillance.
- To disseminate knowledge among authorities and users about occupational radiation protection in medical and industrial practices. To increase awareness regarding good practices in the use of ionizing radiation. To disseminate information on the application and correct use of the radiation protection and personal protection equipment.

Metrology

- To implement, to update and to harmonize calibration and test methods.
- To organize intercomparison exercises in areas of interest.
- To provide assays to other groups within the network.
- To disseminate knowledge about calibrations throughout the network.

Computational dosimetry

- To establish a computational dosimetry permanent group to facilitate cooperation in dosimetric evaluations using computational methods.
- To foster periodic Monte Carlo code comparison exercises, and the installation and management of a regional server.