



DOSIMETRÍA EXTERNA

EXTERNAL DOSIMETRY GROUP – REPROLAM

FIRST ANNOUNCEMENT: REGIONAL SURVEY ON AREA DOSIMETRY SERVICES (ENVIRONMENTAL OR WORKPLACE) USING PASSIVE DOSIMETERS

INTRODUCTION

It is known that in countries across the Latin American and Caribbean region, there are various institutions that carry out environmental radiological monitoring programs using active monitors to provide near real-time data on ambient dose equivalent rates and contamination levels. In addition, many of these monitoring programs employ passive dosimetry systems (for example, thermoluminescent dosimeters (TLD) or optically stimulated luminescence (OSL) dosimeters), used as environmental dosimeters placed outdoors to estimate dose rates based on the measurement of integrated dose over a given period of time.

On the other hand, many personal dosimetry services use passive dosimetry for routine workplace monitoring. This practice, commonly referred to as area dosimetry, involves placing dosimeters inside a facility or location in order to determine the existing dose levels.

Considering that this topic has not been addressed at the regional level, the REPROLAM External Dosimetry Group is considering implementing actions that contribute to improving and harmonizing the measurement and assessment of the Ambient Dose Equivalent $H^*(10)$ using passive dosimeters, for both environmental and workplace monitoring.

Among the actions being considered are the creation of a working subgroup to address dosimetric aspects, the planning of a regional intercomparison for passive dosimetry systems, and the development of training activities. In this regard, we consider it very important to launch a survey that will provide an overview of the regional situation, both in terms of dosimetric systems and measurement practices.

FORMAT AND CONTENT OF THE SURVEY

The survey is intended to address the following aspects:

- Measurement system and its characteristics (type of detector, detected radiation, measurement ranges);
- Dose calculation methodology (background subtraction, transit dose, corrections for environmental conditions);
- Quality assurance (traceability, accreditation, uncertainty estimation, participation in intercomparisons);
- National authorization requirements, staff training needs; and
- Issues related to fields of application and operational challenges.

The survey will be conducted using questionnaire-based forms that participants can complete online. The call or invitation to participate in the survey will be announced through REPROLAM's various channels (newsletters, website), including the link for registration and participation.

PROFILE OF THE PARTICIPANTS

All public or private institutions in the region that carry out environmental or workplace dosimetry measurements using passive dosimeters are expected to participate in the survey.

SURVEY RESULTS

The survey results will be presented and analyzed in a virtual seminar organized by REPROLAM. As an outcome of the survey, regional capabilities will be identified and will become part of the regional directory system developed by the REPROLAM network, which is published on its website. The results are intended to serve as a starting point for defining future actions and activities that contribute to the harmonization and development of passive dosimetry applications in the region.

BENEFITS OF PARTICIPATION

Achieving broad institutional participation is of great importance to ensure that the survey provides results that are truly representative of the region and can therefore serve as a solid starting point for identifying necessary actions at the regional level.

In this regard, we kindly encourage all interested institutions to take part in the survey. REPROLAM is also considering implementing mechanisms to promote and/or recognize institutional participation. These mechanisms may include one or more of the following options:

- **Official REPROLAM Certificate of Participation:** Issue an institutional certificate to organizations that complete the survey, which may be valuable for their quality processes, accreditation, or justification before regulatory authorities.
- **Free Access to Training:** Link participation in the survey to free access to a subsequent virtual course focused on aspects identified as needing harmonization in the measurement of H*(10).
- **Recognition in the Regional Directory:** Highlight participating institutions on the REPROLAM website as active contributors to the regional strengthening process in passive dosimetry.
- **Exclusive Technical Feedback Webinar:** Organize a dedicated technical session for participants where more detailed comparative results are presented and best practices are discussed.



Red de Optimización de la Protección Radiológica
Ocupacional en Latinoamérica y el Caribe

NEWSLETTER

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WORKING GROUP

REPROLAM

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TENTATIVE SCHEDULE

- March – Launch of the First Survey Announcement
- April – Distribution of the Survey Participation Invitation
- May to July – Survey completion by participants
- August – Data collection and processing
- September – Presentation of results in a REPROLAM webinar
- October – Presentation of results at the IRPA Regional Congress in Medellín
- November – Preparation of an international publication with the results

REPROLAM INTERCOMPARISONS

FIRST ANNOUNCEMENT OF THE REPROLAM 2026 INTERCOMPARISON FOR WHOLE-BODY EXTERNAL DOSIMETRY SERVICES

The Latin American and Caribbean Occupational Radiation Protection Optimization Network (REPROLAM), with the support of the International Atomic Energy Agency (IAEA), aims to establish an intercomparison program for the different technical services supporting radiation protection, with the purpose of improving the technical performance of personal dosimetry services and harmonizing their protocols across the region.

The intercomparison program will cover external dosimetry services. These intercomparisons will be open to the participation of both public and private institutions.

On this occasion, REPROLAM is pleased to announce the 2026 Intercomparison Exercise for External Dosimetry Services (ICReproLAM2026). This exercise will be carried out with the support of the Ionizing Radiation Metrology Laboratory, Department of Nuclear Energy – UFPE, Federal University of Pernambuco (LMRI-DEN/UFPE), Brazil.

Scope:

This intercomparison is intended for whole-body dosimeters used for the assessment of Hp(10) and/or Hp(0.07). The irradiations will be carried out at the Ionizing Radiation Metrology Laboratory (LMRI-DEN/UFPE), Brazil, using photons and the following ranges of values:

- **Energy** (keV): 30 to 1250
- **Dose** (mSv): 0.2 to 50
- **Angle of incidence:** 0° and ±60°

Further details on registration, costs, and procedures will be provided soon.

FIRST ANNOUNCEMENT

SECOND LATIN AMERICAN CONGRESS ON SOLID STATE DOSIMETRY AND RADIATION MEASUREMENTS (LASSD 2026)

DECEMBER 1–4, 2026 IN RECIFE, BRAZIL.

The Brazilian Society for Solid State Dosimetry (SBDeS) is pleased to announce the Second Latin American Congress on Solid State Dosimetry and Radiation Measurements (LASSD 2026), which will take place in Recife, Brazil, from December 1 to 4, 2026.

The conference will be preceded by the Shiguo Watanabe School: Concepts and Trends in Radiation Dosimetry and its Applications, on November 30, 2026, aimed at introducing new generations to this field of research.

LASSD 2026 will pay tribute to the memory of Professors Linda Caldas (IPEN–São Paulo) and Helen Khoury (UFPE–Recife), leaders in numerous applications of ionizing radiation, whose scientific contributions played a fundamental role in the development of solid state dosimetry and in strengthening this community in Brazil and Latin America.

The scientific program will include topics such as:

- Basic physical processes in dosimetry
- Material characteristics
- Instrumentation and detectors
- Radiation monitoring and detection
- Medical dosimetry
- Dose reconstruction

IMPORTANT DATES:

- May 30, 2026 – Deadline for abstract submission
- June 15, 2026 – Notification of acceptance
- November 30, 2026 – Shiguo Watanabe School
- December 1–4, 2026 – LASSD 2026 Congress
- December 31, 2026 – Deadline for full paper submission

Contact: lassd2026@gmail.com

More information will be available on the congress website:

<http://lassd2026.com.br> (currently under construction)



**IRPA 2026
XIII REGIONAL CONGRESS ON RADIOLOGICAL AND
NUCLEAR SAFETY
XI LATIN AMERICAN IRPA CONGRESS
IBERO-AMERICAN RADIATION PROTECTION MEETING
OCTOBER 18–22, 2026 – MEDELLÍN, COLOMBIA**

The International Radiation Protection Association (IRPA) and the Colombian Radiation Protection Association invite the radiation protection professional community to participate in the XIII Regional Congress on Radiological and Nuclear Safety, which will take place from October 18 to 22, 2026, in Medellín, Colombia.

This event, held jointly with the XI Latin American IRPA Congress, serves as a key platform for technical and scientific exchange, as well as for discussing challenges and advancements in radiological and nuclear protection across the Latin American region.

Over five days of activities, the congress will offer an extensive program including scientific sessions, technical presentations, thematic panels, and discussion forums, addressing areas of growing relevance in radiological safety, as well as opportunities for international collaboration.

 **Important Dates:**

Registrations and abstract submissions are already open through the official form available on the event website.

- **First deadline:** February 22, 2026 – First call for scientific papers
- **Second deadline:** May 24, 2026 – Second call for scientific papers
- **Final deadline:** August 30, 2026 – Final call for scientific papers
- **Posters:** Until September 20, 2026 – Ongoing call for poster submissions

The congress represents an important opportunity for professionals, researchers, regulators, and academics interested in strengthening their knowledge, sharing experiences, and contributing to the development of safe and effective practices in radiological and nuclear protection throughout the region.

For more information, please visit: irpa2026colombia.org