



## REPROLAM INVITATION LETTER

### REGIONAL SURVEY ON AREA DOSIMETRY (ENVIRONMENTAL AND WORKPLACE MONITORING USING PASSIVE DOSIMETERS)

REF.: REPROLAM/GT-DE/2026-01

The Latin American and Caribbean Network for the Optimization of Occupational Radiation Protection (REPROLAM) is honored to invite your institution to participate in the Regional Survey on Area Dosimetry, developed by the External Dosimetry Working Group.

The purpose of this initiative is to gather information that provides a comprehensive and updated overview of the regional status regarding services that perform measurements and assessments of the ambient dose equivalent  $H^*(10)$  using passive dosimeters, both in the field of environmental monitoring and occupational settings (workplace monitoring).

To contribute to this objective, we would appreciate it if you could complete the online questionnaire available at the following link: <https://forms.gle/ivGzSpy6NfMdSXJN6>

#### Submission Deadline

We kindly request that the information be submitted no later than July 31, 2026.

#### Additional Information

- Duration: The questionnaire contains just over 50 questions, and the estimated completion time is approximately one (1) hour.
- Preparation: It is recommended to have information regarding the characteristics and quantity of managed dosimeters readily available beforehand.
- Requirements: The questionnaire includes mandatory sections on data consent and institutional contact information.
- Scope: All other sections are optional; however, we encourage you to complete them as thoroughly as possible.

Should you require further information or technical assistance, please do not hesitate to contact us at: [danielyiki@gmail.com](mailto:danielyiki@gmail.com)

The participation of your institution is essential to ensure that the results are representative of our region. REPROLAM thanks you in advance for your valuable collaboration.

Attached to this communication, you will find the details regarding the Working Group and the work schedule.



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

# NEWSLETTER

MAY 2026

## WORKING GROUP

### REPROLAM

- Daniel Molina Pérez - Cuba - [danielyiki@gmail.com](mailto:danielyiki@gmail.com)
- Yvone M. Mascharenas -Brasil - [yvone@sapra.com.br](mailto:yvone@sapra.com.br)
- Gerardo Noguera Vega - Costa Rica - [gerardo.nogueravega@ucr.ac.cr](mailto:gerardo.nogueravega@ucr.ac.cr)

### COLLABORATORS

- María A. Duch - España - [maria.amor.duch@upc.edu](mailto:maria.amor.duch@upc.edu)

### 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



60 Years  
Atoms for Peace and Development

### NEW 2026 REGIONAL INTERLABORATORY COMPARISON FOR WHOLE-BODY EXTERNAL DOSIMETRY: STRENGTHENING QUALITY IN LATIN AMERICA AND THE CARIBBEAN

The Latin American and Caribbean Network for the Optimization of Occupational Radiation Protection (REPROLAM) is pleased to announce the 2026 Interlaboratory Comparison Exercise for external photon dosimetry. This initiative continues the Network's efforts to harmonize dosimetric practices and enhance the reliability of individual monitoring services within our region.

The 2026 exercise introduces significant improvements over previous editions, aligning with the most recent international standard, ISO 14146:2024. Key highlights include:

- **Multilingual Digital Management:** A new online management system has been implemented (available in Spanish, Portuguese, and English) to streamline registration, data uploading, and process traceability for all participating laboratories.
- **Rigorous Irradiation Protocols:** Dosimeters will be subjected to at least eight blind irradiation conditions, covering energies ranging from 24 to 662 keV.
- **Updated Acceptance Criteria:** Compliance limits based on the "trumpet curve" from the new ISO 14146:2024 standard will be used to evaluate the performance of dosimetric systems.
- **Uncertainty Analysis:** The substitution method has been adopted to determine the reference dose, achieving expanded uncertainties between 2.2% and 3.0%, ensuring high precision in the evaluation.

#### REGIONAL IMPACT

Currently, more than 300,000 workers in the region are routinely monitored by over 32 dosimetry services across 13 countries. This exercise allows participating laboratories to validate their procedures, detect systematic deviations, and ensure the effective protection of workers exposed to ionizing radiation.

#### PUBLICATION AND TRANSPARENCY

The detailed methodological framework for this exercise has been recently documented in the paper titled: *"The 2026 Latin-American and Caribbean Regional Interlaboratory Comparison for External Radiation Monitoring: Methodological Aspects."*

We invite the technical community to consult the full details of this research, which is already available as a preprint for review at the following link: [👉 https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=6648098](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=6648098)



**REPROLAM** acknowledges the sustained support of the International Atomic Energy Agency (IAEA), particularly through the technical cooperation project RLA9093, which enables the participation of public monitoring services across the region. Finally, we dedicate this effort to the memory of **Prof. Helen Jamil Khoury**, whose vision and leadership continue to inspire our metrological initiatives.

## REGISTRATION

External Dosimetry Services (EDS) wishing to participate in this Intercomparison must complete the registration form accessible through the **REPROLAM** website at: <https://ic.grupodoin.com>.

An individual form must be submitted for each technique or dosimetry system the EDS wishes to enroll. Upon registration, the applicant will receive a confirmation email including:

- An acceptance notice with a participation code (to ensure confidentiality).
- Instructions for shipping dosimeters.
- An invoice issued by REPROLAM for the participation fee.

## COSTS AND BILLING

**Registration Fee:** 1,000 EUR per dosimetry system (TLD, OSL, etc.) and dosimetry type (e.g., Whole Body). Refunds are only issued if REPROLAM cancels the event. All bank fees are the responsibility of the participant. Payment must be made within a maximum of 30 days after receiving the invoice.

**IAEA Sponsorship:** Through project RLA 9093, the IAEA will cover the cost for one public laboratory per country (18 laboratories in total).

## DOSIMETER LOGISTICS

**Quantity per System:** For this Whole-Body intercomparison, a total of 32 dosimeters is required for each registered system (20 for irradiation, 10 spares, and 2 controls).

**Shipping:** Ideally sent along with the proof of payment. After irradiation at LMRI-DEN/UFPE (Brazil), the dosimeters will be returned to the participant for reading.

## RESULTS AND CERTIFICATION

One week after receiving the readings, the coordinating laboratory will send the response values. No subsequent changes will be accepted, except in cases of technical errors during the irradiation process. Upon completion, REPROLAM will issue a Certificate of Participation detailing irradiation qualities, doses, responses, and uncertainties.

## PROPOSED SCHEDULE

Announcement – Call for Participants	April 2026
Participant Registration	April – May 2026
Registration Deadline	May 23, 2026
Deadline for Shipping Dosimeters to LMRI-DEN/UFPE	June 30, 2026
Irradiations	June – August 2026
Return of Dosimeters to EDS for Processing	September 2026
Deadline for Submission of Results	2 months after receipt of irradiated dosimeters
Final Results Notification	December 2026
Issuance of Certificates of Participation	December 2026

### Coordinating Laboratory:

Ionizing Radiation Metrology Laboratory – LMRI-DEN/UFPE, Brazil Head of Laboratory:  
Viviane Khoury Asfora

Contact: [ic.lmri@ufpe.br](mailto:ic.lmri@ufpe.br)

Registration: <https://ic.grupodoin.com/>

## **ANNOUNCEMENT: 7TH JOSÉ A. BALSEIRO ADVANCED SCHOOL OF RADIOLOGICAL PROTECTION 2026**

SEPTEMBER 21 TO 25, 2026

BARILOCHE ATOMIC CENTRE, RÍO NEGRO - ARGENTINA

In a landscape increasingly shaped by the advancement of Artificial Intelligence and its growing impact across multiple sectors, the "7th Edition of the José A. Balseiro Advanced School of Radiological Protection" will serve as a forum for training and debate to examine its applications, scope, and challenges within the field.

This academic activity is organized by the Balseiro Institute and will consist of intensive sessions from September 21 to 25, 2026, from 9:00 AM to 5:00 PM, at the Bariloche Atomic Centre. Registration is open from May 2 to May 31 via the following form: <https://forms.gle/xQKTGtHBgsxe4j5X7>

### **PROGRAM FOCUS**

Throughout the sessions, participants will analyze the impact of these technologies in areas such as:

- Dosimetry.
- Physical security of nuclear facilities.
- Medicine and emergency planning.
- Ethical challenges, the necessity of validation, and the role of human judgment in decision-making.

### **OBJECTIVES**

The goal is for the school to be more than just a training session; it aims to be a space for professionals to stay current on key topics like emerging technologies and AI.

"We seek to train specialists and create a space for critical reflection on current and future challenges in the field, within a scenario marked by the increasing integration of new technologies," noted Pablo Andrés, member of the organizing committee, adjunct professor at the Balseiro Institute, and Head of the Radiological Protection Department.

Under this framework, the initiative seeks to promote exchange between different sectors, consolidate the national community, and open a space for critical reflection on the challenges facing radiological protection today. "In short, the idea is to contribute to the construction of a more robust, modern radiological protection system aligned with the current context," Andrés stated.

### **ORGANIZATION & CONTACT**

The School is organized by the Radiological Protection Department (GIN-GAEN) and the Chair of Radiological Protection of the Balseiro Institute.

For further information or inquiries, please contact: [escuelajab.pr@ib.edu.ar](mailto:escuelajab.pr@ib.edu.ar)

## **SAFIM: 15TH ARGENTINE CONGRESS OF MEDICAL PHYSICS 1ST DOSIMETRY CONFERENCE**

SEPTEMBER 3 AND 4, 2026

KARAKACHOFF CONVENTION CENTER, LA PLATA, BUENOS AIRES, ARGENTINA.

The Argentine Society of Medical Physics (SAFIM) has officially announced the 15th Argentine Congress of Medical Physics, which will take place in the city of La Plata, Argentina, on September 3 and 4, 2026. This gathering represents a fundamental milestone for the scientific community, consolidating the path of professional exchange initiated in previous editions and strengthening the collaboration network across Argentina and Latin America.

On this occasion, the event will be further enhanced by the simultaneous **1st National Dosimetry Conference**, a space that promises to delve into technical and regulatory aspects critical for safe practice in ionizing radiation environments.

A Program Oriented Toward Innovation and Safety with the goal of strengthening medical physics within the healthcare system, the congress will address essential thematic pillars such as:

- Technological innovation in radiotherapy and nuclear medicine.
- Updates on radiological protection and patient safety.
- Professional training and new paradigms in clinical dosimetry.
- Quality control and management of state-of-the-art equipment.

The event will feature prominent international and national speakers, fostering an environment of camaraderie and scientific networking at the Karakachoff Convention Center of the National University of La Plata.

### **KEY DATES FOR YOUR AGENDA**

- Call for papers opening: April 2026
- Abstract submission deadline: May 16, 2026
- Notification to authors: July 13, 2026
- Final paper submission: July 31, 2026
- Pre-congress courses: September 2, 2026
- Congress sessions: September 3 and 4, 2026

From **REPROLAM**, we encourage all network members and professionals interested in radiological safety to closely follow updates regarding scientific submissions and registration openings. These spaces are vital for the optimization of occupational radiological protection and the advancement of our discipline throughout the region.

For more information, registration details, and abstract submission, please visit the official website: [congresosafim.com.ar](http://congresosafim.com.ar)

Or contact the organizing committee at: [fisicamedica@grupobinomio.com.ar](mailto:fisicamedica@grupobinomio.com.ar)

## **EURADOS TRAINING COURSE ON RADIATION PROTECTION DOSIMETRY AND ACCREDITATION OF IMS: SECRETS AND SOLUTIONS**

SEPTEMBER 28 TO OCTOBER 2, 2026  
SARAJEVO, BOSNIA & HERZEGOVINA

The training course will be organized by EURADOS Working Group 2 on Harmonization of Individual Monitoring in Europe and the Public Health Institute of the Republic of Srpska in Sarajevo.

The course will cover all aspects of individual monitoring as described in RP160, with a particular emphasis on metrology, quality control, and type testing. Recent developments in radiation protection, including the new ICRU dose quantities, will also be addressed.

### **PRACTICAL SESSIONS**

The training program will include practical work—for which a laptop will be useful—and group discussions to provide an interactive learning experience.

### **TOPICS TO BE COVERED**

- General radiation protection
- Basic detection principles
- Measurement methods
- Dosimetric quantities
- Uncertainty assessment
- Calibration and type testing
- Intercomparisons
- Quality Assurance (QA) and Quality Control (QC)
- Dose recording
- Accreditation
- Quality control audits

### **PROGRAM COMMITTEE**

- Francesco Rossi, AOU Careggi, Italy
- Nicky Gibbens, UKHSA, United Kingdom
- Biljana Petrovic, PHIRS, Bosnia and Herzegovina
- Markus Figel, Mirion, Germany

### **REGISTRATION**

- Standard Fee: 700 EUR.
- Reduced Fee (for EURADOS sponsors, see [www.eurados.org/sponsors](http://www.eurados.org/sponsors)): 630 EUR.

Registration is open until September 11, 2026. Capacity is limited to 40 participants and places will be allocated on a first-come, first-served basis.

Further information: <https://eurados.sckcen.be/en/news-overview/TC2026-RP160>

## CALL FOR APPLICATIONS - LISE MEITNER PROGRAMME PROFESSIONAL DEVELOPMENT TO INCREASE THE PRESENCE OF WOMEN IN THE NUCLEAR FIELD



The International Atomic Energy Agency (IAEA) continues its Lise Meitner Programme (LMP) initiative, a strategic scheme designed to close the gender gap in the nuclear field and support women professionals in the mid-stages of their careers.

### What does it consist of?

The program offers a professional immersion opportunity through technical visits and stays at world-class centers of excellence. The primary goal is to strengthen technical competencies and, crucially, the leadership and management skills of the participants.

### Key Points:

- **Career Development:** Ideal for professionals seeking to advance to decision-making positions in nuclear facilities, regulatory bodies, or research centers.
- **Global Networking:** Facilitates the creation of contact networks with international experts, promoting the exchange of best practices in safety and radiological protection.
- **Focus Areas:** The program covers various fields, ranging from nuclear power plant operation and the fuel cycle to technological applications and regulatory frameworks.

### Application Requirements:

- **Gender:** Exclusively for women.
- **Experience:** Professionals with relevant academic backgrounds and verifiable work experience in the nuclear/radiological sector.
- **Commitment:** A willingness to act as mentors and agents of change in their home countries.

For more information and applications: Interested candidates can access technical details and application forms through the official IAEA portal: [Lise Meitner Programme](#)