REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

REPROLAM-IAEA: INTERNAL DOSIMETRY AND RETROSPECTIVE DOSIMETRY SURVEYS

FROM FEBRUARY 03 TO MARCH 2, 2022 WITHOUT EXTENSION

The **IAEA**, with the support of **REPROLAM**, is organizing surveys to identify the capacities installed in the Latin American and Caribbean region to carry out Internal Dosimetry and Retrospective Dosimetry using luminescence methods (TL and OSL) and Electron Paramagnetic Resonance Spectroscopy (EPR) . From these surveys we seek to know aspects related to the technical infrastructure and human resources dedicated to these dosimetries. The results of the surveys will make it possible to identify the strengths, needs and problems related to capacities in the field of Retrospective Dosimetry and Internal Dosimetry in the region. The laboratories that respond to the surveys will be considered in future activities promoted by the **IAEA** in regional projects, such as: participation in intercomparison exercises, webinars, training in the collection and analysis of samples, etc.

All **REPROLAM** members are invited to participate in these surveys and disseminate them in the region.

INTERNAL DOSIMETRY SURVEY

This survey is open to all Internal Dosimetry services in Latin America and the Caribbean. The online questionnaire will be available from February 3 to March 2, 2022 without extension. In the event that the same institution performs both direct and indirect measurements, the form must be completed once with all the data. It can be completed in several stages without losing the data previously uploaded in the following link:

https://forms.gle/58qTy4UerU9ARq2C9

The main query topics are the following:
1.- General information about the institution
2.- Direct measures
3.- Indirect measures
4.- Functions of the service
5.- Education and training
6.- Quality guarantee program

Instructional video to complete the survey:
https://drive.google.com/file/d/1aRthQi-Sutga8Go_PiekDd1K69oMqAAn/view

In case of doubts, you can send your query to Mariella Terán mterangretter@gmail.com

RETROSPECTIVE DOSIMETRY SURVEY

This survey is open to all laboratories in Latin America that use luminescent or EPR techniques.
The online questionnaire will be available from February 03 to March 2, 2022 without extension. Each laboratory interested in participating in answering the questionnaire will be represented by the head of the laboratory, regardless of whether each institution has more than one laboratory of these characteristics. It can be completed in several stages without losing the data previously uploaded in the following link:

https://forms.gle/x91uNbNaDgfK9ATZ8

The main query topics are the following:

1.- General information with laboratory data
2.- Laboratory experience
3.- Sample preparation
4.- Instrumentation available
5.- Specific capabilities of the laboratory related to luminescence measurement
6.- Irradiation system available
7.- Data processing
8.- Availability to participate in activities related to the creation of the network of laboratories in Latin America and the Caribbean

In case of doubts, you can send your query to vcd160664@gmail.com

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

REPROLAM:
PILOT PLAN TO MEASURE AND ASSESS THE DOSE DUE TO INTERNAL EXPOSURE TO I-131 FROM THE TOES

REPROLAM is initiating a pilot plan with the Nuclear Medicine Services (SMN) to measure and evaluate the dose from internal exposure to I-131 of its Occupationally Exposed Workers (TOEs).
Those who wish to participate will receive advice on the calibration of gamma cameras and detector probes of I-131, the distribution of videos of the course, Protocol and Interactive Guide, assistance for the implementation of in situ monitoring by the staff of the NMS and support in follow-up to assess the results of monitoring their TOEs.

To enroll your service in the pilot plan, complete the following survey:
https://docs.google.com/forms/d/1UADG43SXy5GDGUcKDt3L-XM53dsH6tjOoHjtRHxD8sM/edit?usp=sharing

For more information contact Celeste Galarza: mcdlagalarza1985@gmail.com

SEPR
SOCIEDAD ESPAÑOLA DE PROTECCIÓN RADIOLÓGICA
Afiliada a la I.R.P.A.

OPPORTUNITY TO SUBSCRIBE TO THE SEPR NEWSLETTER

The Spanish Society for Radiological Protection offers the opportunity to subscribe to its monthly Newsletter, which has the objective of disseminating the activities and related news of SEPR as well as relevant information corresponding to radiological protection in its different applications.
This publication is open to those who, not being members of the SEPR, wish to be informed on topics of interest in radiological protection.

The procedure to carry out the subscription is simple. Accessing the SEPR website, there is a direct access: Subscribe to the newsletter.

Link: https://www.sepr.es/

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

CULTURA DE SEGURIDAD

SAFETY FIRST

Space dedicated to common understanding and the promotion of Safety Culture through information, analysis, dissemination of experiences and related news.

SEEKING TO ACHIEVE A GREATER SAFETY CULTURE: THE PARTICULARITIES AND RULES THAT WE CANNOT OVERRIDE (FIRST PART) [1]

In the December bulletin we commented that an organization that intends to improve its Safety Culture will face, as a challenge, a process of cultural change. For this change to be effective and in the desired direction, both the particularities of the Culture and the rules that must be observed during the change process itself must be taken into account.
But… What are those particulars and rules?

There are many definitions of culture. One of the first was developed by the ethnologist Edward B. Taylor in 1873, which establishes that Culture is "that complex whole that includes knowledge, beliefs, art, morals, law, customs, and any other habits and capacities acquired by man…" [2]. A very simple and widespread one is the one that states that: "Culture is the way we do things", while another, very illustrative, defines it as "the way people behave when they are not observed".

Culture is, in essence, that which will determine our natural way of acting and that has a series of peculiarities, such as those briefly discussed below:

- It is a profound phenomenon, which can be expressed or manifested in three forms or levels, the most internal level being that of basic beliefs or suppositions, often unconscious, and which are decisive in behavior. Transforming culture, therefore, is not achieved with simple or superficial approaches.
- It is stable, since it is based on beliefs rooted in time, either by conviction, convenience or because it has worked well in the past. Therefore, changing or modifying the culture can generate resistance and anxiety;
- It is based on patterns assumed and shared by a group, that is, it is a phenomenon that concerns a group of people for whom the new behavior patterns that are proposed must be perceived as beneficial and convenient, which will cause them to be assumed and shared as an organization. If they are only assumed by a few individuals, it cannot be considered that we are facing a cultural change of the group or the organization. It is necessary that a collective or at least majority effect be produced;
- It is related to the environment, since culture allows people to adapt and survive. It is then possible to influence behavior through changes in the environment;
- It is a social element, as it is a key element for interaction and coexistence between people. This means that the members of a group or organization can exert a transforming effect on the culture of others;
- It operates unconsciously since it responds to a series of fundamentals and codes of individuals that explain their actions, that is, “their ways of doing things” and that must be deciphered in order to understand the existing culture and modify it;
- It evolves, it is not static, which allows the possibility of changing it;
- It is learned, it is not genetically determined, therefore, any new “way of doing things” can be learned if it is shown, taught or guided;

- It is transmitted over time, which ensures the continuity of any new culture that is achieved, the role of leaders, founders, trainers and other agents of change being decisive as transmitters of these new values;
- It is not an isolated entity, it is rarely homogeneous, being able to coexist with other cultures or subcultures, both internal and external, even when there is a dominant culture;
- It is broad and multifactorial, so it must be understood that its modification entails evaluating multiple factors and can be an arduous and prolonged task;
- It is slow to change, so it is not possible to immediately anticipate or expect cultural changes, even when induced by external conscious action.

Do not forget that these particularities of the Culture will avoid underestimating or failing in the process of cultural change that we seek to produce in order to achieve high levels of Safety Culture in an organization. Nor should we ignore other rules of that change, but we will comment on that in the next newsletter.

An important reminder: The next International Conference on Occupational Radiological Protection to be held in September of this year will have a thematic area dedicated to the Culture of Safety in Occupational Radiological Protection. An opportunity to present results and experiences of the organizations of our region in this field and exchange with specialists from other regions.

The abstract submission deadline is this month, on February 15.

Take advantage and send your results.
https://www.iaea.org/news/call-for-papers-international-conference-on-occupational-radiation-protection.

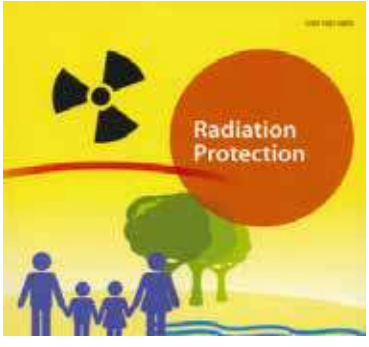
References used:
[1]. FORUM Guide on Safety Culture of Organizations, Facilities and Activities with sources of ionizing radiation, 2015.
[2] Taylor, E.B. The Primitive Culture, 1873

Rubén Ferro (Cuba) and Renán Ramírez (Perú)

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022



EURADOS TRAINING COURSE 2022

Kraków, Poland, 20th to 23rd April 2022

Radiation Protection Dosimetry and Accreditation of IMS: Secrets & Solutions
(based on Radiation Protection 160)

EURADOS WG2 will be holding the 6th training course based on the European Commission's report - Technical Recommendations for Monitoring Individuals Occupationally Exposed to External Radiation (Radiation Protection 160, RP160).

The course will cover all aspects of individual monitoring as discussed in RP160 with an emphasis on metrology, quality assurance and type testing. Recent developments in RP will also be covered, including the new ICRU dose quantities.

Important Dates:

Registration deadline: 25th March 2022
Deadline for payment: 31st march 2022
Training course: Wednesday 20th to Saturday 23rd April 2022
IM2022/NEUDOS-14: Monday 25th to Friday 29th April 2022

The course will be held in the week before the IM2022 conference to provide cost efficiencies for those also attending IM2022/NEUDOS-14.

TOPICS:

- General radiation protection
- Basic detection principles
- Measurement methods
- Dosimetric quantities
- Uncertainty evaluation
- Calibration and type-testing
- Inter-comparisons
- Quality assurance, quality control
- Dose registration
- Accreditation
- QA audits

More information and registration:
https://www.ptb.de/cms/ptb/fachabteilungen/abt6/seminare/tceurados-wg2.html

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

RAP 2022
INTERNATIONAL CONFERENCE ON APPLICATIONS OF RADIATION
JUNE 1 TO 6, 2022, AT THE KEDEA CENTER IN THESSALONIKI, GREECE.

International Conference on Radiation Applications RAP 2022 will be held from 6-10 June 2022 in the KEDEA Center in Thessaloniki, Greece.

Covid-19 virus is still with us, but it increasingly looks like there is light at the end of the tunnel. Therefore we are planning to hold RAP 2022 as a live event. However, we will do our best to accommodate the participants who for objective reasons may not be able to attend in person by considering some form of online participation.

What is new this year is that selected papers will have an opportunity to be published in the special issue of The European Physics Journal Special Topics. Also, radon researchers may publish in the special issue of Journal of the European Radon Association. And indeed, as usual, the conference will publish the Book of Abstracts and Conference Proceedings.

The deadline for submission of abstracts via our Abstract Portal is 15 April 2022, and the deadline for full papers for the Proceedings or journals is 1 June 2022. We kindly invite you to submit your contribution and also to forward this information to your colleagues who may be interested.

Please visit our website and follow us on Facebook for updates. Please do not hesitate to contact us at any time with your questions or suggestions.

THE AIM of the Conference is to provide the forum for researchers and professionals involved with the applications of ionizing and non-ionizing radiation and other connected areas, to exchange and discuss their findings and experiences. The conference topics cover various fields of physics, chemistry, biology, medical sciences, engineering, and environmental sciences.

The Conference program includes invited lectures, keynote topical talks, panel discussions, and a limited number of oral and poster presentations.

Conference publications are:
· Book of Abstracts, containing all accepted one page abstracts, and
· Conference Proceedings, containing peer-reviewed full conference papers.

The official language of the Conference is English.

ARISTOTLE UNIVERSITY OF THESSALONIKI

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

IMPORTANT DEADLINES

ARISTOTLE UNIVERSITY OF THESSALONIKI

Abstract submission	15 April 2022
Notification of acceptance of abstracts	Two weeks after abstract submission
Confirmation of participation (submission of online Registration Form)	16 May 2022
Registration of Sponsors	23 May 2022
Full paper submission	1 June 2022
Publishing of Book of Abstracts (online)	30 June 2022
Notification of acceptance of full papers	31 October 2022
Publishing of Conference Proceedings (online)	30 November 2022

For more information: https://www.rap-conference.org/22/index.php?page=index

2022 SEPR SOCIEDAD ESPAÑOLA DE PROTECCIÓN RADIOLÓGICA

SEMINAR:
OCCUPATIONAL SURVEILLANCE OF DOSES IN EXTREMITIES
FEBRUARY 24, 2022 - 4:30 PM (MADRID TIME)
TELEMATIC VIA

Occupational surveillance of doses to extremities, although it is a consolidated requirement in the regulations, is not sufficiently implemented in practice, as recent international studies and surveys show.

The seminar will address, first, what are the regulatory requirements for occupational surveillance of doses to extremities and how international publications recommend carrying it out. Some statistical data contained in the National Dosimetric Bank on the occupational exposure of extremities in Spain will be shown and the responsibilities of all the parties involved will be analysed. Next, the experience of the National Dosimetry Center in providing the extremity dosimetry service to the health institutions of the National Health System will be presented. The wrist and ring dosimeter it provides will be presented, as well as a description of the process for determining equivalent doses. Finally, the conclusions on the factors that condition and influence the exposure of workers will be shown in view of the results of the main studies and measurements carried out under realistic conditions. Based on these conclusions, practical recommendations will be proposed for the definition of an adequate occupational surveillance program for extremities.
The seminar will end with a colloquium session in which the attendees can exchange opinions.

The Seminar will be held electronically, through the Zoom© platform. The corresponding link will be sent after registering the registration to it.

Registration and more information at:
https://www.sepr.es/convocatorias/eventodetalle/10797/150/seminario-vigilancia-ocupacional-de-las-dosis-en-extremidades?filter_reset=1

III INTERNATIONAL SYMPOSIUM ON EDUCATION, TRAINING, DISSEMINATION AND MANAGEMENT OF NUCLEAR KNOWLEDGE

SANTIAGO DE CHILE, JULY 26 TO 29, 2022

Face-to-face and online mode

The objective of this event is that institutions and people dedicated to education, training, dissemination and knowledge management in nuclear technology in Latin America, the Caribbean and other latitudes, can share their experiences on the subject, and contribute to the creation of regional communities of practice.

The Symposium will also be a forum to disseminate the activities of the INIS (International Nuclear Information System) Centers in the region.

Organize:
- Metropolitan Technological University (UTEM)
- Metropolitan University of Educational Sciences (UMCE)

Sponsor:
- Chilean Commission for Nuclear Energy (CCHEN)

Sponsored:
- Latin American Network for Education and Training in Nuclear Technology (LANENT)
- International Atomic Energy Agency (IAEA)

Dates of interest:
Submission of Abstracts: until April 15, 2022
Abstract Acceptance: May 1, 2022
Application for financial aid from the IAEA: until May 15, 2022
Submission of works in extenso: until June 30, 2022

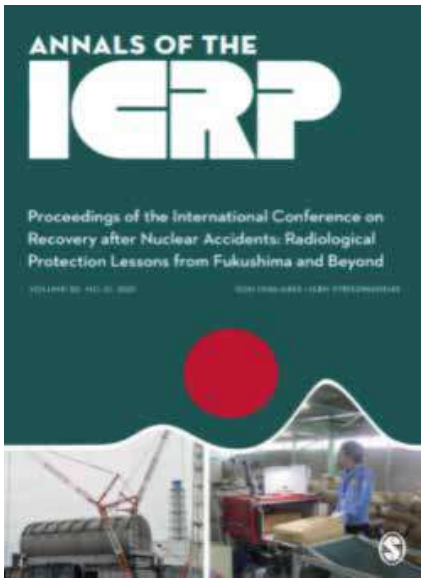
For more information: https://sites.google.com/umce.cl/iii-simposio-lanent/inicio

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

NEWSLETTER

NUMBER 2, FEBRUARY 2022

RESOURCES AND DOWNLOADS



ICRP RECOVERY CONFERENCE MINUTES PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECOVERY AFTER NUCLEAR ACCIDENTS: RADIATION PROTECTION LESSONS FROM FUKUSHIMA AND BEYOND.

Available in:
https://icrp.org/publication.asp?id=ICRP%20Recovery%20Conference%20Proceedings&utm_source=International+Commission+on+Radiological+Protection&utm_campaign=5d0b977d2b-EMAIL_CAMPAIGN_2022_01_27_04_37&utm_medium=email&utm_term=0_89436ae8fd-5d0b977d2b-206954394&mc_cid=5d0b977d2b&mc_eid=9aefb544f2

* In order to access, copy and paste the link in your browser bar.

REPROLAM
Red de Optimización de Protección Radiológica Ocupacional en LatinoAmerica y Caribe

The Network for the Optimization of Occupational Radiological Protection in Latin America and the Caribbean (REPROLAM) is a scientific and cultural society, without profit, political, religious or racial, of unlimited duration, which has the objective of promoting the optimization of occupational radiation protection. REPROLAM seeks to expand academic and scientific cooperation among its members, with the aim of promoting adequate radiation protection for workers.

Visit our website for more information: http://www.reprolam.com/
How to contact: reprolam2020@gmail.com