

## First Announcement

# EURADOS Training Course on *Technical Recommendations for Monitoring Individuals for Occupational Intakes of Radionuclides*

**25-29 March 2019**

International Atomic Energy Agency (IAEA),  
Vienna International Centre, 1400 Vienna, Austria



Photo Credit: Rodolfo Quevenco/IAEA

### Background

EURADOS Working Group 7 has produced a report for the European Commission that gives a complete account of the principles of individual monitoring and internal dosimetry, and also provides guidance and technical recommendations on best practice. The report has been published in the European Commission's Radiation Protection Report series as report No. 188 and is available at: <https://ec.europa.eu/energy/en/radiation-protection-publications>.

In this report a comprehensive set of recommendations is provided on:

- (i) roles and duties of dosimetry services;
- (ii) monitoring programmes;
- (iii) monitoring methods;
- (iv) assessment of internal doses from monitoring measurements;
- (v) accuracy requirements and uncertainty analysis;
- (vi) quality assurance, and criteria for approval and accreditation; and
- (vii) radon measurement and dosimetry for workers.

The first 5-day training course on these *Technical Recommendations* will be organized by EURADOS WG7 and will be hosted by IAEA in Vienna on 25-29 March, 2019.

## Learning Objectives

By the end of this course, attendees will have gained a firm understanding of the principles and practice of internal dosimetry and internal contamination monitoring. The course will cover the principles and theoretical basis, but the main emphasis will be on practical application. Attendees will learn how to apply the *Technical Recommendations for Monitoring Individuals for Occupational Intakes of Radionuclides*. In particular, they will be able to specify a monitoring programme for a wide range of exposure conditions and assess internal doses from the results of monitoring. They will also gain a good understanding of accuracy requirements, quality assurance requirements, and criteria for approval and accreditation.

The course will use various media:

- Lectures
- Demonstrations
- Exercises
- Software
- Laboratory visits
- Recaps



Photos Credit: Bastian Breustedt/KIT

## Target Audience

The course is specifically aimed at persons who are starting work in the field of internal dosimetry, preferably with some previous experience in radiation protection, health physics and/or medical physics. It could form part of an initial training programme. Note that the course is not intended for internal dosimetry experts. Attendees are required to bring their own laptops for working on the exercises during the course.

Minimum educational qualifications: Graduate (Bachelor of Science, BSc, or equivalent) in a scientific discipline.

**Attendance is limited to a maximum of 30 attendees.**

## Content

Module	
A	Introduction to the Training Course
B	Principles and theoretical basis of internal dosimetry
C	Biokinetic models
D	Monitoring techniques. Visit to bioassay laboratories
E	Monitoring programmes
F1	Assessment of intake and dose from bioassay measurements
F2	Structured approaches to internal dose assessments. Visit to internal dosimetry service
G	Accuracy and uncertainty
H	Quality Assurance. Criteria for approval and accreditation
J	Implementation of the <i>Technical Recommendations</i> by internal dosimetry services

## Registration

A registration form may be found at <http://www.eurados.org>. Deadline for registration is **01 December 2018**. EURADOS will confirm your participation by email after the deadline. You will then also receive an invoice for the registration fee. Deadline for payment is 01 March 2019.

## Registration Fees

Regular Fee: 800,- €; Reduced fee: 750,- €

All fees are exclusive of VAT.

Eligible for reduced fees are students following a higher education course at a recognised institution and attendees from EURADOS Sponsoring Institutions (see <http://www.eurados.org/en/Sponsors>).

## Further information

Further information on the course, and information on travel and accommodation in Vienna, will be added to the EURADOS homepage: <http://www.eurados.org>

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