

# **Joint EURADOS-ICRP Training Course on the Theory and Practical Application of Codes for the Determination of Dose After Internal Contamination** (organised in cooperation with IRSN)

**14 - 18 October 2024**  
**Fontenay aux Roses, France**

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## **General Objectives**

IRSN will host the Joint EURADOS-ICRP Training Course on the Theory and Practical Application of codes for the Determination of Dose after internal contamination.

The objective of this training course is to inform participants and provide practical training on calculation of dose after internal contamination, using codes for implementing ICRP models. Courses will provide general information on biokinetic models, radiation decay data and S-coefficients, voxel and mesh phantoms, Monte Carlo calculation of specific absorbed fractions (SAFs), calculation of dose coefficients and limitations of the models. Practical sessions will allow the use of different software for solving biokinetic models and for calculating S-factor and dose coefficients. The courses will be given by high-level professionals, currently involved in the development of calculation codes in dosimetry, biokinetic models and the production of ICRP dose coefficients.

## **Pre-requisite**

This training is aimed at early career researchers interested in biokinetic modeling. Practical experience in coding (preferably in R language) would be welcome to better benefit from the lessons given.

## **Programme**

Courses will include lectures providing overview of topics, demonstrations of examples, guiding participants through the calculations, and practicals with simple exercises for part of the workflow. At the end of the week participants are expected to have a good understanding of the ICRP concept of internal dosimetry using biokinetic and dosimetric models, to know the type and the sources of data required for the calculation of dose coefficients, to have an understanding of the workflow for calculation of dose coefficients, and to be aware of the pitfalls in these calculations.

## Registration

Registration can be made using the form attached, to be sent to [francois.paquet@irsn.fr](mailto:francois.paquet@irsn.fr) before June 26, 2024.

The minimum number of participants is 15 and the maximum number is 25. Participants will be pre-registered on a first-come, first-served basis. A confirmation letter will be sent to accepted pre-registers towards the end of June, with all the details for final registration and payment of fees, which must take place before September 14, 2024.

## Fees

The price is 715€ for the 5-day course. A reduced fee of 650€ applies to applicants from EURADOS sponsoring institutions and to students. It includes lessons, access to the meeting rooms, coffee breaks and lunches. Hotel rooms are available close to IRSN at a price of 110€ per night, including breakfast but excluding taxes. Participants must confirm their reservation, using a specific code, directly at the hotel at the same time as their final registration for the course.

## Organising Committee and Lecturers

M. Andersson	Gothenburg University (Sweden)
E. Blanchardon	IRSN (France)
B. Breustedt	KIT (Germany)
D. Broggio	IRSN (France)
A. Giussani	BfS (Germany)
D. Gregoratto	UKHSA (UK)
M.A. Lopez	CIEMAT (Spain)
F. Paquet	IRSN (France)
T. Smith	UKHSA (UK)

## Contact

[francois.paquet@irsn.fr](mailto:francois.paquet@irsn.fr)

[bastian.breustedt@kit.edu](mailto:bastian.breustedt@kit.edu)

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**Registration** Fill in the form and e-mail to: [francois.paquet@irsn.fr](mailto:francois.paquet@irsn.fr)

## Participant Information

Family Name
Given Name(s)
Title
E-mail
Institution
Postal Address
Homepage
Country

## Invoicing Information

Invoicing Address		
E-mail for Invoicing		
Purchase Order (PO) Number		
VAT - Nr. of Institution		
EURADOS Sponsoring Institution	Yes	No
	A list of the eligible EURADOS Sponsor Institutions can be found at <a href="http://www.eurados.org/en/sponsors">http://www.eurados.org/en/sponsors</a>	
Student	Yes	No
	If yes, which university:	

## Registration Fees

Regular Fee: 715€

Reduced Fee: 650€

Reduced fee applies to students following a higher education course at a recognized institution and to participants from EURADOS Sponsoring Institutions (see <http://www.eurados.org/en/Sponsors>). Students need to send a proof of their enrollment.

All fees are exclusive of VAT. 7% VAT will also be added for invoices to participants from Germany and from EU member states who cannot provide us with their VAT-ID number. For EU residents, the VAT ID will be checked for validity. The fees will cover coffee breaks, lunches and course materials.

**You'll receive a confirmation of your participation and the invoice after the registration deadline on 25 June 2024.**

## Location

Institut de Radioprotection et de Sûreté Nucléaire (IRSN)  
31 avenue de la Division Leclerc, 92260, Fontenay-aux-Roses, France

## Consent to the Collection, Use and Storage of Your Personal Data

The personal data I have entered into the form's fields (e.g. name, e-mail-address and telephone number) will only be used to the extent necessary for the performance of the listed event on the legal basis of Article 6 (1) b) GDPR. My data will be retained for a maximum of 11 years according to § 147 of the Fiscal Code of Germany (AO). I know that I can revoke my consent to the collection, use and storage of my personal data at any time by sending my revocation to [office@eurados.org](mailto:office@eurados.org). By sending the registration form, I agree to the Data Privacy Statement, which I have read.

## Contact

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bastian.breustedt@kit.edu