



IRSOIL&WATER 2023

Third radon intercomparison in soil and water
Seminar on measures, remediation and regulatory aspects

Curinga (CZ)

29-30-31 may 2023

THIRD ANNOUNCEMENT

Village Falkensteiner - Acconia di Curinga (CZ)



The Hermitage of St. Elijah-Curingia

In cooperation with ATECA - ER Employers' Trade Union Association





PRESENTATION

ASSORADON and AIRP propose for 2023 an event entirely dedicated to the radon issue.

IRSOIL&WATER 2023 stems from the need to maintain the high level of interest in soil measurements shown in the two previous experiences IRSOIL 2021-Biella and IRSOIL 2022-Rome.

In this new edition one of the topics will be the measurement of radon concentration in water. Italian Legislative Decree n. 101/2020, which establishes basic safety standards for protection against exposure to ionising radiation, lists in Annex II the minimum requirements for dosimetry services, including participation in suitable interlaboratory comparison programmes, with the aim of consolidating quality standards for radon measurements. Hence, the need to broaden the scope of the third intercomparison appointment by including the water matrix as the object of study and exercise.

The field exercise relating to the phase of measuring radon concentration in water and/or soil will take place at two different sites for water and one site for soil, in places that are already the subject of research and radiometric characterisation by local authorities.

This will be followed by a technical report with an evaluation of the results obtained.

In this edition, the second novelty will be the proposal of a space with sessions dedicated to radon building remediation experiences.

The organisation aims to broaden the audience and is aimed both at public and private laboratories that, in possession of the dosimetry service requirements, want to practise in the field for radon measurements in the water and/or soil matrix, but also at all professionals who want to deal with the radon issue in all its complexity.

The recent regulatory guidelines on radon remediation and prevention activities for buildings have turned a spotlight on the subject; ASSORADON and AIRP, with the aim of motivating the professional growth of their members and others, are proposing a series of moments of experiential interchange, transversally intervening on the mitigation of buildings and at the same time on prevention policies in the territories by public bodies.

The three-day event, in a journey that has crossed the entire boot in this three-year period, will land in 2023 in Calabria in the municipality of Curinga, province of Catanzaro.



Scientific committee

Fiorello Martire, Segretario Scientifico

ASSORADON

Enrico Chiaberto

ARPA Piemonte, AIRP

Stefano Coria

ASSORADON

Andrea Gritti

ASSORADON

Massimo Faure Ragani

ARPA Valle d'Aosta, AIRP

Rosaria Ippolito

ASSORADON

Antonio Parravicini

ASSORADON

Organising committee

Fiorello Martire

ASSORADON

Salvatore Procopio

ARPA Calabria, AIRP, ASSORADON

Tiziana Tunno

ASSORADON, AIRP

Emanuela Tumminia

ATECA-ER, AIRP

Francesco Bonacci

ATECA-ER, AIRP



Program

First Day: Monday 29 May 2023

12.30 – 13.30 Welcome Aperitif

First Session: radon, risks and opportunities

Chair: Rosaria Ippolito, Francesco Bonacci

- | | |
|----------------------|--|
| 13.30 - 14.00 | Authorities greetings –Introduction to IRSOIL2023 <i>Antonio Parravicini Presidente Assoradon, Francesco Mancini Presidente AIRP</i> |
| 14.00 - 14.30 | Territory overview and history informations <i>Salvatore Procopio</i> |
| 14.30 - 15.00 | Natural radioactivity, risks and opportunities – Italian Legislative Decree n.101/20 <i>Francesco Bonacci</i> |
| 15.00 - 15.30 | Regulatory Compliance - Reference Levels and Physical Surveillance <i>Fiorello Martire</i> |
| 15.30 - 16.00 | Biological effects and new scientific knowledges <i>Francesco Tarsitano</i> |
| 16.00 - 16.30 | Coffee break |
| 16.30 - 17.00 | Radiolab and Unical school -INFN <i>Marcella Capua, Mariagabriella Pugliese</i> |
| 17.00 - 18.00 | ROUND TABLE: 'Local authorities, experiences and considerations on prevention policies' <i>Moderator: Salvatore Procopio</i> |



Second Day: Tuesday 30 May 2023

Second Session: Methodologies and their critical issues in radon measurements in soil and water

Chair: Antonio Parravicini, Massimo Faure Ragani

9.00 - 9.20 *IRSOIL 2022- Presentation of results*

9.20 - 9.40 *Usefulness of radon soil measurements*

Enrico Chiaberto, Stefano Coria

9.40 - 10.10 *The quality of radon measurements in soil*

Massimo Faure Ragani

10.10 - 10.50 *The experience of the Prague intercomparison. Sampling times and methods for measurements in soil matrix*

Matej Neznal

10.50 - 11.20 **Coffee break**

11.20 - 11.40 *The characteristics of the soil and risk classification of the territories*

Andrea Gritti

11.40 - 12.20 *The quality of radon measurements in water. Sampling times and methods for measurements in water matrix*

Maurizio Forte

12.20 - 13.00 *Question time*

13.00 - 14.30 **Lunch**

Third Session: radon gas remediation actions in living and working environments

Chair: Tiziana Tunno, Enrico Chiaberto

14.30 - 15.00 *Remediation methodologies*

Antonio Parravicini

15.00 - 15.30 *Criteria of energy efficiency vs radon indoor concentrations*

Rosaria Ippolito

15.30 - 16.00 *Building protection: French experience and methodology*

Bernard Collignan



16.00 - 16.30 *Site Remediation - Presentation of Results*
Fiorello Martire

16.30 - 17.00 *Site Remediation - Presentation of Results*
Alessandro Cornaggia

17.00 - 17.15 **Coffee break**

17.15 - 18.00 *Sampling in water matrix at the venue, Consoletto Spring (RC)*
Coordination: Antonella Nicolino, Salvatore Procopio

18.00 - 19.00 *ASSORADON Members' Meeting*

21.00 *Social Dinner at Village Falkensteiner, Acconia di Curinga (CZ)*

Third Day: Wednesday 31 May 2023

Measurements

9.00 - 16.00 *Performing field measurements for water matrix at Samboni spring and for soil matrix at St. Elias Hermitage*

11.30 - 12.00 *Historical and cultural presentation of the site*
Rosaria Ippolito

12.30 - 13.30 *Packed lunch by the organization*



Organizational Secretariat

Anna Prandstatter, Elena Serena

irsoil@assoradon.org

Tel. 011 19681544 011 19681552

Registration

The program consist of two phases:

1. an in-depth conference on the radon issue
2. a practical part with radon measurements in water and soil matrix

The activities will mainly take place in the Falkensteiner Village* in Acconia di Curinga which offers hospitality to the participants at a discounted price. The hotel reservation is the responsibility of the participant who will also pay for his stay.

| | Registration fee per person not including living expenses (excluding VAT) | AIRP, Assoradon e Ateca members | NO members |
|---|--|--|-----------------------|
| 1 | Participation only conference, staying in the Falkensteiner village | free | free |
| 2 | Participation only conference without staying in the Falkensteiner village | € 100 | € 130 |
| 3 | Participation to IRSOIL&WATER 2023 measurements | € 50 | € 100 |

It is mandatory both to participation only conference and intercomparison measurements to register until 10 May 2023 on the sites: www.airp-asso.it or www.assoradon.org

Intercomparison Participation is bound to the payment of the registration fee to be paid, by 10 May 2023, following, at the end of the registration procedure, the methods indicated on the AIRP website on the page dedicated to the event, or by bank transfer, payable to:

AIRP c/o Intesa San Paolo S.p.A. Milan branch

Piazza Paolo Ferrari, 10 – 20121 Milan – Italy

IBAN IT29 N030 6909 6061 0000 0125 788

BIC BCITITMM

Reference code: IRSOIL&WATER2023

Registration is inclusive of:

- coffee break
- business lunches
- social dinner
- transfer to the water-land measurement sites



Hotel reservation

Falkensteiner Club Funimation Garden Calabria

Loc. Torre Mezza Praia, 88022 Curinga CZ

<https://www.falkensteiner.com/it/club-funimation-garden-calabria>

If you like to book a room here, please call or e-mail the hotel:

funimationcalabria@reservations.falkensteiner.com

*Reference code: **RADON 2905***

The proposed rates per person per day for a minimum of 2 nights are as follows:

€ 100,00/ person/day, booking until 19 March 2023

€ 112,00/ person/day, booking until 9 April 2023

€ 125,00/ person/day, booking until 30 April 2023

€ 125,00/ person/day, booking after 30 April 2023 (Availability is NOT guaranteed)

Annotation. *Tourist tax not included. Thanks to the very suggestive and appreciated place where the conference will take place, it is advisable to book as soon as possible.*



In collaboration with



Davide Gambarotti - Private Banker
UFFICIO DEI CONSULENTI FINANZIARI
LAMEZIA TERME (CZ)

F.B. Group S.r.l.

RADIOPROTEZIONE E SICUREZZA DEL LAVORO
BONIFICHE E CARATTERIZZAZIONI RADIOMETRICHE

