



## **IRSOIL&WATER 2023**

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

***Curinga (CZ)***

***29-30-31 may 2023***

***FOURTH ANNOUNCEMENT***

***Village Falkensteiner - Acconia di Curinga (CZ)***



***The Hermitage of St. Elijah-Curinga***

***Under the patronage of municipality of Curinga***



***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*

*Enrico Chiaberto*

*Stefano Coria*

*Andrea Gritti*

*Massimo Faure Ragani*

*Rosaria Ippolito*

*Antonio Parravicini*

*ASSORADON (Cosenza)*

*ARPA Piemonte, AIRP (Torino)*

*ASSORADON (Piacenza)*

*ASSORADON (Bergamo)*

*ARPA Valle d'Aosta, AIRP (Aosta)*

*ASSORADON (Roma)*

*ASSORADON (Piacenza)*

## **Organising committee**

*Fiorello Martire*

*Salvatore Procopio*

*Tiziana Tunno*

*Emanuela Tumminia*

*Francesco Bonacci*

*ASSORADON (Cosenza)*

*ARPA Calabria, AIRP (Catanzaro)*

*ASSORADON, AIRP (Lecce)*

*ATECA-ER, AIRP (Cagliari)*

*ATECA-ER, AIRP (Catanzaro)*



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



## **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** *Building protection: French experience and methodology*  
*Bernard Collignan*
- 15.30 - 16.00** *Criteria of energy efficiency vs radon indoor concentrations*  
*Rosaria Ippolito*



<b>16.00 - 16.30</b>	<i>Site Remediation - Presentation of Results</i> <i>Fiorello Martire</i>
<b>16.30 - 17.00</b>	<i>Site Remediation - Presentation of Results</i> <i>Tiziana Tunno</i>
<b>17.00 - 17.15</b>	<b>Coffee break</b>
<b>17.15 - 18.00</b>	<i>Sampling in water matrix at the venue, Consoletto Spring (RC)</i> <i>Coordination: Antonella Nicolino, Salvatore Procopio</i>
<b>18.00 - 19.00</b>	<i>ASSORADON Members' Meeting</i>
<b>21.00</b>	<i>Social Dinner at Village Falkensteiner, Acconia di Curinga (CZ)</i>

### **Third Day: Wednesday 31 May 2023**

#### **Measurements**

<b>9.00 - 16.00</b>	<i>Performing field measurements for water matrix at Samboni spring and for soil matrix at St. Elias Hermitage</i>
<b>11.30 - 12.00</b>	<i>Historical and cultural presentation of the site</i> <i>Rosaria Ippolito</i>
<b>12.30 - 13.30</b>	<i>Packed lunch by the organization</i>



## **Organizational Secretariat**

Anna Prandstatter, Elena Serena

[irsoil@assoradon.org](mailto: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.

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

It is necessary to register until 10 may 2023 on the sites:

<https://www.airp-asso.it/?p=5322>

The payments methods are indicated on the AIRP-ASSO website at 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](mailto: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*

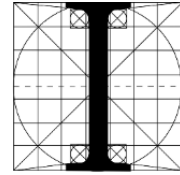
*€ 112,00/ person/day, booking until 9 April 2023*

*€ 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.*





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