



IRSOIL 2021

Intercomparison of soil radon concentration measurements



1th National Intercomparison, 8-9 July 2021

Valle del Cervo - Riserva Naturale della Bessa (BI)

FIRST ANNOUNCEMENT

INTRODUCTION

Soil radon measurements, born as a practice closely linked to research and scientific curiosity, has managed, over the years, to carve out a more technical role, assuming relevance for its practical implications: measurement can be a useful tool for the classification of radon risk areas.

In Italy, Legislative Decree n. 101/2020, transposition of 59/Euratom/2013, has undoubtedly sparked new interest on this subject. Soil radon measurements involves both radiation protection field and geophysical aspects of great interest.

For some time now european researchers and freelancers met periodically to test methodologies, techniques and instruments together, thus showing great interest in these evaluations.

Assoradon and AIRP therefore believed that the time was ripe to propose, also in Italy, an exercise of field measurements that would allow laboratories, both public and private, to compare their techniques and methodologies. The intercomparison is organized in collaboration with ARPA Piemonte and ARPA Valle d'Aosta

The setting for this event is the province of Biella, the smallest province of Piemonte, with its famous “Valle del Cervo” that is probably the place with the highest natural radioactivity in Italy.

Results of the intercomparison will be processed in the months following the event: a technical report will be drawn up and published on AIRP and ASSORADON websites. Results of tests will be anonymous and each participant (or group) will be denoted by a code.

Organizing committee

| | |
|----------------------|----------------------|
| Enrico Chiaberto | ARPA Piemonte |
| Amedeo Dordi | Geologist, Lombardia |
| Paolo Falletti | ARPA Piemonte |
| Massimo Faure Ragani | ARPA Valle d'Aosta |
| Andrea Gritti | ASSORADON |
| Mauro Magnoni | ARPA Piemonte |
| Antonio Parravicini | ASSORADON |
| Tiziana Tunno | ASSORADON |

Contact addresses of the organizing committee

Anna Prandstatter

IRSOIL2021@assoradon.org

Phone: 0125-645328

Programme

First day - July 8th, 2021

14:00 field excursion, arrive at first radon reference site in “Valle del Cervo”

14:00-14:20 geological and lithological background of the plutonic area “Valle del Cervo”

14:20-17:00 radon measurements execution

Second day - July 9th, 2021

9:00 field excursion , arrive at second radon reference site “Riserva Naturale della Bessa”

9:00-9:20 geological and lithological background of “ Bessa”

9:20-12:00 radon measurements execution

12:00 Lunch break

14:00 Meeting and discussion

At this time it is not possible to define in detail breaks time and any social activity.

The distribution of drinks and / or food will obviously be bound by the rules imposed by the health authority. More detailed information will be available at AIRP and ASSORADON websites.

REGISTRATION FEE and INSTRUCTION for PAYMENT

Only total payment guarantees registration. For payment follow the instruction on AIRP website <https://www.airp-asso.it/> or make it by a bank transfer to:

AIRP c/o Intesa San Paolo S.p.A. Filiale di Milano

Piazza Paolo Ferrari, 10 – 20121 Milano – Italia

IBAN IT29 N030 6909 6061 0000 0125 788

BIC BCITITMM

Reason for payment: IRSOIL2021

Fee for one team (two persons):

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|--------------------------|-------|
| AIRP or Assoradon member | € 70 |
| No member | € 150 |

A single fee could include two participants for one team. For more than 2 participants it will be necessary an additionally registration

For logistical reasons, participants are limited. Online registration on www.airp-asso.it and www.assoradon.org will be admitted subject to availability within 28 June 2021

Thanks to:

- Comune di Campiglia Cervo

- Ente di gestione delle Riserve Pedemontane e delle Terre d'Acqua