

Review 1

Radon concentration detection section must be eliminated because it is not needed as long as it is treated later.

ANSWER; the section was reduced. Now, it only contains the name of to the most common methods to radon detection and references to the most used devices.

Instead, it is necessary to specify whether it makes sense to acquire data every 10 min from the RD200 instrument. I understand that they can be read with high frequency, but what sense does it make based on the operating principle of the instrument?

ANSWER: we are using all the measurements provided for the device (according to specifications, device offers a new value each 10min as an aggregate of collision within those 10 minutes). It allows us to collect more data for the training algorithms and detect the tendency changes as soon is possible. This aspect was included within the text. In addition, the data are displayed in a web application (not included in this manuscript) and the size of the data allows us to make smoother graphs.

The ARIMA method is still mentioned in some places in the manuscript.

ANSWER; Fixed. The references to the libraries used to develop the method was removed.

Bq / m3 is misspelled in some places (Bq / m2 or Beq / m3).

ANSWER. Fixed. Thank you for the advice.

The characteristics of the RD200 are expressed in Bq / m3 and pC / L (lines 168-174) Express all in Bq / m3.

Fixed. All the measurements a now in Bq/m3. Furthermore, sensivity was duplicated (in both measurements) and was fixed.

Line 165. The two decimal places of 369.43 make no sense.

ANSWER. Fixed. Bq/m3 was added also to both measurements