



Open Schools Journal for Open Science

Τόμ. 3, Αρ. 4 (2020)

Special Issue - 2nd Encontro de Ciência Cidadã



HawkRadon

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doi: 10.12681/osj.23413

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Βιβλιογραφική αναφορά:

Saraiva, A. P., Lourenço, A. M., Soares, B., Monteiro, D., Grilo, D., & Saraiva, T. (2020). HawkRadon. *Open Schools Journal for Open Science*, *3*(4). https://doi.org/10.12681/osj.23413



HawkRadon

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Abstract

In this project, the students decided to measure the values of radon in the water and in the air in different points of our city and, at the same time, warn people about the consequences of high values. We placed several detectors to measure the values of radon concentrations and concluded that some of the values were well above the reference values. The project was only possible due to the unconditional help of the city council of Pinhel, the LabExpoRad of Beira Interior University and the students that attended our school last year. We think that this work represents a school open to an open society.

Keywords

Community; detectors; environmental awareness; radioactivity; radon.





Conferência OSOS

Open Schools for Open SocietiesPavilhão do Conhecimento – Centro Ciência Viva
14 Fevereiro 2020

HawkRadon

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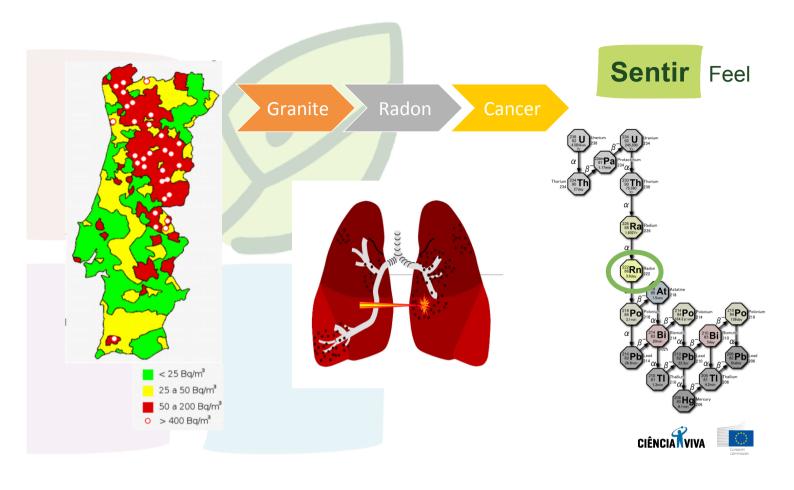
This project was only possible due to the unconditional help of some institutions and the students that attended our school last year because they started this.











This problem and the dangers it presents are not very well-known. In order to realize how serious this problem is, we decided to acquire data on concentrations of radon in our area.

Our class carried on the work initiated by the students of Physics in the past year and together we placed several detectors to measure the values of the concentrations.

Imaginar Imagine





Formulário de registo - Radão na Água e Ar

.1 Amostra ntificação	Folha de amostra nº			
			Técn	
ocalização da amostra	País	Portugal	Distr	
	Código Postal		Cidade/ V	/ila Pinhe
grupamento de Localização exata da amostra		N.A.		
scolas de Pinhel	Origem da água		N.A.	
	Identificação do dispositivo de		N.A.	
	amostragem			
				2019
A.2 Medição da con	centração da ativio	dade de radã	0	
Águ				Ar
Nº amostra	A (5.41)		Nº detetor	Α
1	(Bq/L) 32,8			(Bq/m³)
2	188,5		1	411,7
3	217,0		2	440,3
4	0,2		3	232,6
5	431,0		4	459,0
6	156,3		5	2000,6
7	188,3		6	643,1
8	316,3		7 8	684,0
9	8,3		9	924,1
10	4,6		10	424,9
11	5,0		11	917,3
12	5,3		11	336,4
13	7.3		13	257,1
13	4,6		13	410,9
1/1	4,6 14 211,7 Resultados preliminares.			
14 Comentários	4,0	Resultado	os preliminares.	0

Some of the worst: 2000,6 Bq/m*1*924,1 Bq/m*1*917,3 Bq/m*1*

Criar Create

The best way to face this problem is to use the information we gathered to inform the general population about this subject.

Reference level:

- 300Bq/m //3 in air;
- 500Bq/L in water.





Soon we will host an open door conference and we will invite everyone, so that we can educate them on this issue.



Partilhar Share





