

# Radon at home - what are the barriers and facilitators? Can citizen-science help? A French perspective

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# **OBJECTIVES**

Implementation of a qualitative analysis method to investigate the reasons, motivations, facilitators and barriers in radon management.

# **QUALITATIVE ANALYSIS**

- Identification and recruitment of two groups of respondents:
  - Local Public Administration who have implemented a radon management actions (snowball sampling – n=6).
  - Inhabitants who engaged in management radon measurement (heterogenous and typical case sampling - n=7).
- Use of theoretical models to design questions.
- Open-ended interviews.
- Identification of 13 facilitators/barriers, classified for each group under a SWOT analysis.

### **RESULTS**

Implementation of radon management actions by Local Public Administrations



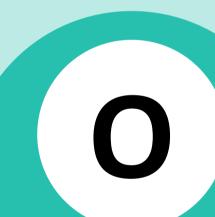
**Strengths** 

- A former history with radon
- Raising awareness through multiple channels
- **Organizational** insights
- The importance of follow-up



### Weaknesses

- Lack of structured efficiency indicators
- No clear vision of the remediation rate
- Difficulties in communication



## **Opportunities**

- **Different** approaches adapted to the local context
- **Engagement of** decision makers/key persons
- **Including radon** in existing plan/program

### **Threats**

- Radon is not a priority
- Lack of intermediary players
- Difficulty in accessing information
- Lack of skills for building professionals



### **Strenghts**

- Engagement fostered by an individual history
- **Understanding** of the general concepts of radon risk management
- A personal and qualitative appreciation of the risk



### Weaknesses

 Lack of awareness on public health issues

**Absence of** 

financial

support **Uncertainties** regarding efficiency of remediation

actions



- Wide range of information sources
- **Public meetings** and technical workshops
- **Implementation** of simple action at controlled cost
- **Natural** ventilation: behavioural change



**Threats** 

- Cost and complexity of mitigation works
- Lack of followup overtime

Implementation of radon management actions by inhabitants

# **CONCLUSION AND PERSPECTIVES**

APPEL À PARTICIPER À UN PROJET DE SCIENCE CITOYENNE SUR LE RADON

ojet est coordonné par le CEPN\* en partenariat avec le Pays Vesoul-Val de Saône

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Interventions to increase mitigation rates require coordination and cooperation between multiple **stakeholders**, including political leaders, the mitigation industry and residents or homeowners.

Within RadoNorm, a Citizen Science Pilot-Project was developed by CEPN with the help of SCK CEN and MERIENCE and tested in France (among 4 countries). The project was dedicated to the improvement of an existing on-line radon diagnosis guide.

Over the elaboration of technical suggestions to improve the guide, the project also showed that dialogue between citizens and experts is possible and enables mutual learning on the issues at stake as well as the identification of solutions to increase diagnostic and mitigation intentions.



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