

## JURAD-BAT Interreg V project

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### Abstract

The indoor air quality represents a major public health issues, especially when building's thermal insulation become more and more successful. The spaces where we live are increasingly confined.

We should be concerns by many pollutants from environment, both outside and especially by radon (RN). It is a naturally occurring soil gas that is radioactive.

The JURAD-BAT Interreg V project (2016-2019) aims at improving the risk management in particular the effects of exposure to radon and other indoors pollutants. Also, the point is to create a monitoring centre for indoor air quality.

It is a transboundary project, a French-Swiss development. Cooperation relates to different territories.

- Switzerland : cantons of Jura and Neuchâtel.
- France : Territoire de Belfort, departments of Doubs and Jura

Many local and national actors are involved in the project.

- Academics: HEIA-FR (Switzerland), University of Franche-Comté (France)
- National agencies: OFSP (Switzerland), IRSN (France), CEREMA (France)
- Regional agencies: ARS (France), ASN (France)
- Certified Associations: ATMO-FC (France), CEPN (France)
- Engineering services: PLANAIR (Switzerland), ECON IA (Switzerland), EHE (Switzerland)...
- Local authorities : Pays de Montbéliard Agglomération (France)

The creation of the monitoring centre of the air quality and risk management of radon has several stages:

- Stage 1: improve the knowledge of radon and indoors pollutants. It starts with data sharing from previous campaigns and gradually adding future data. In addition, an improvement of the geological features of karst, a specific type of soil, known to facilitate the passage of radon. Finally, a technological watch about new publications on radon and indoors pollutants is organized.

- Stage 2: Make statistical and spatial analyses (mapping) in order to identify factors affecting the radioactive and chemical pollutants level.

- Stage 3: The data collected previously would lead to the creation of a guide for local authorities. The aim is to guaranty a better management of building for public use, to help construction professionals to develop specific skills and to offer them adapted vocational trainings. Finally, prevention operation will be organized for the general public.

All the information collected and created will be displayed on the Web platform of the monitoring centre for indoor air quality.

### Categories

Topic Area: [1.6] *Environmental, economic, social impact assessments (including public health)*

Abstract Type: *Workshop*

### Additional Fields

Comments: radon, indoor air quality, JURAD-BAT,