

# Testimonies, Risk Perception and Management of Landslide Hazards

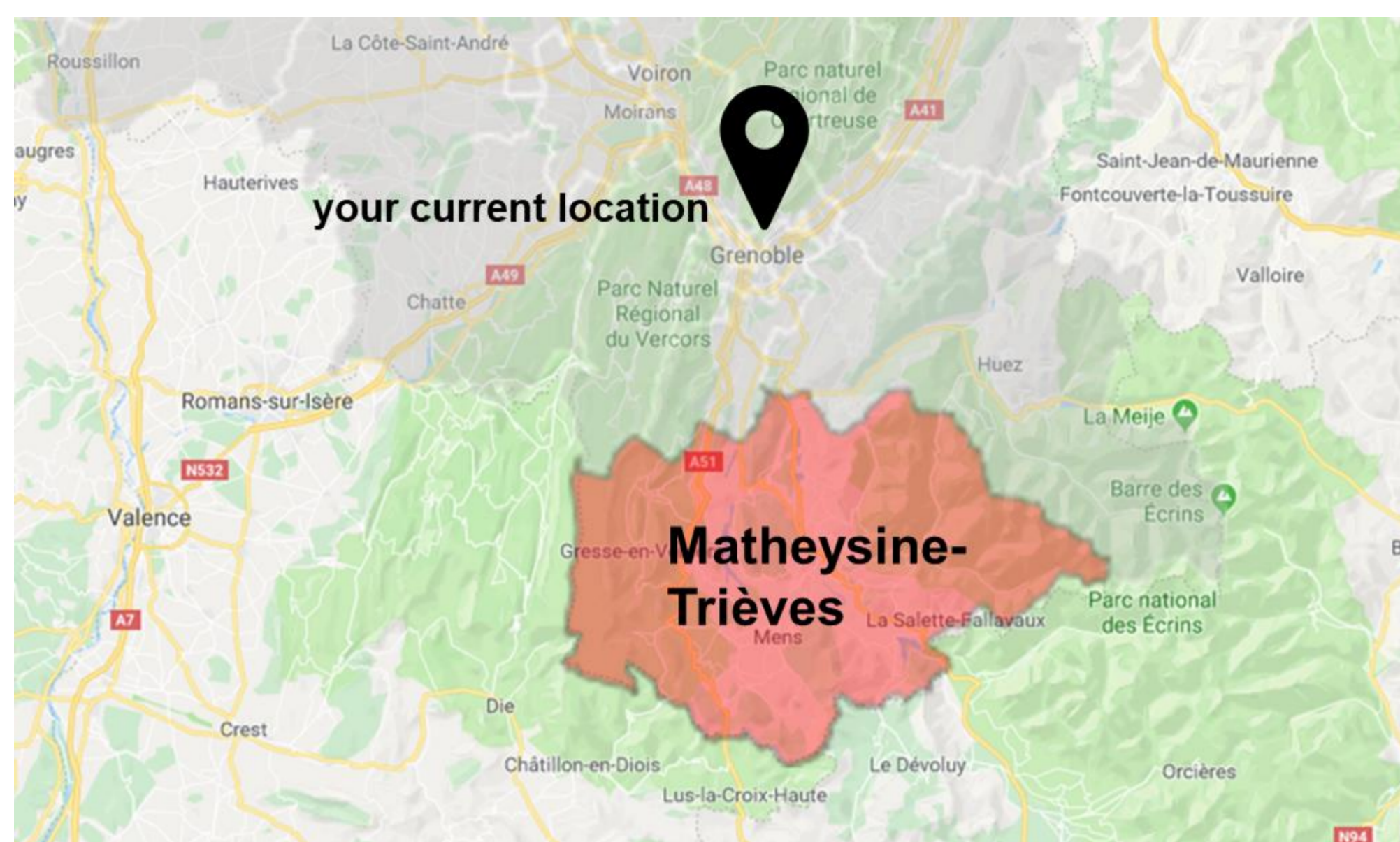
*An interdisciplinary approach to disaster risk reduction*

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## Context and Research Stakes

Although numerous areas of the French canton Matheysine-Trièves\* are subject to clayey landslides, the canton's population increases significantly. The analysis of stakeholders' perceptions of landslide hazards and current risk management are expected to provide adapted risk management solutions.



\* Location of the Matheysine-Trièves canton

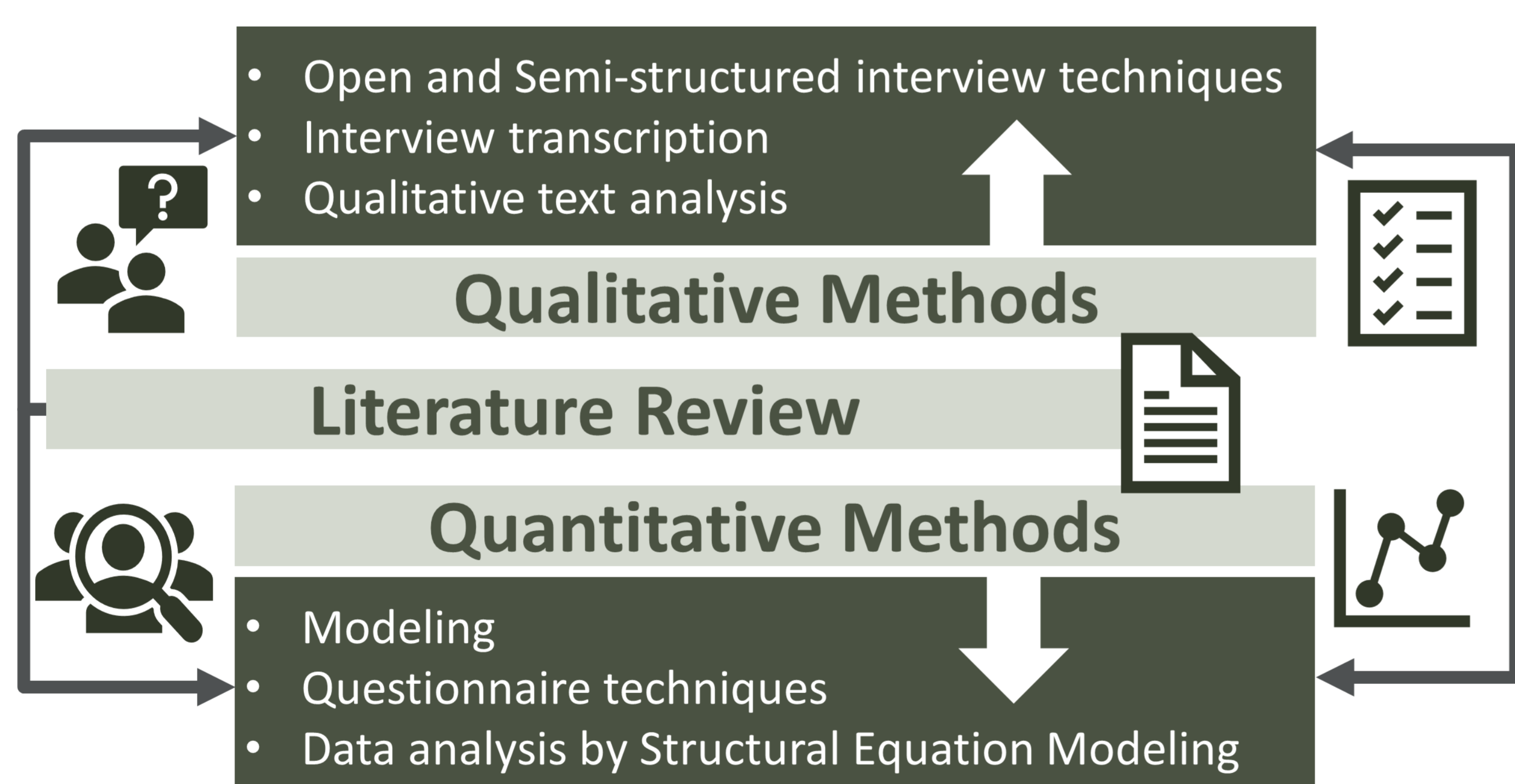


Harmalière, active landslide characterized by Quaternary glaciolacustrine clays, located in the Trièves area (cf. Jongmans et al., 2009; Bièvre et al., 2011)

## Objectives of the PhD

- Analysis of stakeholders' landslide risk perception and associated risk mitigation strategies through cognitive, affective and normative aspects based on theories and concepts in psychology (cf. Babicky & Seebauer, 2019; Bonaiuto et al., 2016; Cialdini & Goldstein, 2004; Finuncane et al., 2000; Floyd, Prentice-Dunn, & Rogers, 2000; Kates, 1962; Kouabenan, 2006; Kouabenan & Ngueutsa, 2016; Latané, 1981; Lindell & Perry, 2012; Siegrist & Gutscher, 2008; Slovic et al., 1979; Slovic, 2010)
- Taking into account expert and lay perceptions of landslide risks for developing prevention and protection measures
- Scientific contribution to the research area of risk perception of natural hazards and their management

## Methodology



## Planned studies (Matheysine-Trièves area)

- A. Testimonies of landslides by people living in the area
- B. Place attachment, risk perception and perception of management strategies of landslides
- C. Effects of affect on risk perception, optimism about future life events and protection motivation against landslides

## Expected Results - Applications

- Scientific validation of a parsimonious model explaining risk perception of landslide hazards and perception of management strategies by stakeholders
- Solid base for developing adapted risk communication strategies, prevention and protection measures



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