

# Extreme weather, vulnerability and conflicting temporalities among craftsmen in the construction and the industrial sectors

**SND-ID:** 2025-66. **Version:** 1. **DOI:** <https://doi.org/10.5878/n9q4-x685>

## Associated documentation

Frågelista intervjuer.docx (40.7 KB)

Metadata för studien.docx (28.73 KB)

## Citation

Nilsson, B., & Lönnroth, J. (2025) Extreme weather, vulnerability and conflicting temporalities among craftsmen in the construction and the industrial sectors (Version 1) [Data set]. Umeå University. Available at: <https://doi.org/10.5878/n9q4-x685>

## Creator/Principal investigator(s)

[Bo Nilsson](#) - Umeå University

Jenny Lönnroth - Umeå University, Department of Culture and Media Studies

## Research principal

[Umeå University](#) - Department of Culture and Media Studies

## Principal's reference number

Dnr 2022-01841

## Description

The data consists of 16 semi-structured qualitative interviews with professionals (14 men and 2 women) in the construction sector and industry sector. The interviews were conducted digitally via Teams or Zoom, partly because the interviewees were spread across the country and because digital interviews can be experienced as safe and practical by the interviewees. The interviews were 30-90 minutes long and were based on a list of questions. However, the interviewees were given the opportunity to take the initiative for conversation topics themselves. The questions focused on how work is affected by difficult weather conditions – for example, high temperatures, heavy rainfall and strong winds – which are expected to increase with climate change. The interviewees were recruited in collaboration with the trade union Byggnads.

The material has undergone a qualitative analysis with a focus on the workers' vulnerability due to difficult weather conditions, but also due to the general organization of work in general with increased stress, for example due to shorter construction times in the construction sector.

## Data contains personal data

Yes

## Sensitive personal data

Yes

## Type of personal data

Direct identifiers, e.g. name

## **Code key exists**

Yes

## **Language**

[Swedish](#)

## **Unit of analysis**

[Individual](#)

## **Population**

Workers in the construction sector and industry sector. The selection was made in cooperation with the trade union Byggnads.

## **Time Method**

[Other](#)

## **Sampling procedure**

[Other](#)

The selection was made in cooperation with the trade union Byggnads.

## **Time period(s) investigated**

2024-01-01 – 2024-12-31

## **Data format / data structure**

[Text](#)

## **Data collection 1**

- Mode of collection: Interview
- Description of the mode of collection: The data consists of 16 semi-structured qualitative interviews with professionals (14 men and 2 women) in the construction sector and industry sector. The interviews were conducted digitally via Teams or Zoom, partly because the interviewees were spread across the country and because digital interviews can be experienced as safe and practical by the interviewees. The interviews were 30-90 minutes long and were based on a list of questions. However, the interviewees were given the opportunity to take the initiative for conversation topics themselves. The questions focused on how work is affected by difficult weather conditions – for example, high temperatures, heavy rainfall and strong winds – which are expected to increase with climate change. The interviewees were recruited in collaboration with the trade union Byggnads.
- Time period(s) for data collection: 2024-01-01 – 2024-12-31
- Data collector: Umeå University
- Source of the data: Population group

## **Geographic spread**

Geographic location: [Sweden](#)

Geographic description: The interviewees were spread across the country.

**Lowest geographic unit**

Municipality

**Highest geographic unit**

Country

**Responsible department/unit**

Department of Culture and Media Studies

**Funding**

- Funding agency: Formas
- Funding agency's reference number: 2022-01841\_Formas
- Project name on the application: Inconspicuous adaption to climate changes in vulnerable occupations. An ethnographic study
- Funding information: Climate change with strong winds, extensive rainfall and prolonged heat waves represent an increasing challenge for many occupational groups. Construction workers, road workers and care staff are particularly vulnerable groups. This study focuses on the significance of climate change for these occupational groups. The purpose is to investigate the informal climate adaptation that characterizes everyday professional practice. More specifically, the purpose is to explore how professionals' climate adaptation takes place through the development of new or changed working practices. The purpose is also to investigate how knowledge produced within the project can be implemented in concrete measures for climate adaptation. The study is motivated by the fact that Sweden is late in terms of climate adaptation of the labor market. There is also a lack of knowledge about the importance of informal, everyday experiences of climate adaptation in working life, and of the importance of social and cultural categories for experiences of climate change. According to the present project, this can be understood in terms of cross-cutting challenges between a formal (decision-making) and an informal (everyday) level, as well as between different perspectives on knowledge. The work with climate adaptations of the labor market needs to learn more from concrete professional experiences of climate change, and to consider what gender, ethnicity and age mean for how professionals handle these changes.

**Ethics Review**

Swedish Ethical Review Authority - Ref. Dnr 2023-01215-01

**Research area**

[Working conditions](#) (CESSDA Topic Classification)

[Humanities and the arts](#) (Standard för svensk indelning av forskningsämnen 2011)

**Keywords**

[Climate change](#), [Interviews as topic](#), [Extreme weather](#), [Temporality](#), [Social vulnerability](#), [Work environment](#), [Desynchronization](#)

**Accessibility level**

Access to data through SND

Access to data is restricted

**Use of data**

[Things to consider when using data shared through SND](#)

## **Versions**

Version 1. 2025-03-13

## **Related research data in SND's catalogue**

[Data for article: Representations of changing weather conditions and outdoor work in the Swedish media: Legitimization of a risk discourse.](#)

## **Download metadata**

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

[Citation \(CSL\)](#)

**Published:** 2025-03-13