

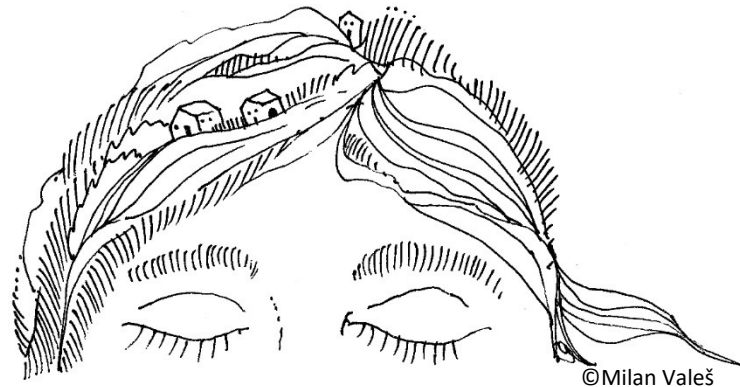


**IALE 2022 European Landscape Ecology Congress**  
MAKING THE FUTURE, LEARNING FROM THE PAST

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# Feelings about quarries: measuring the sense of place in a limestone landscape

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# Introduction

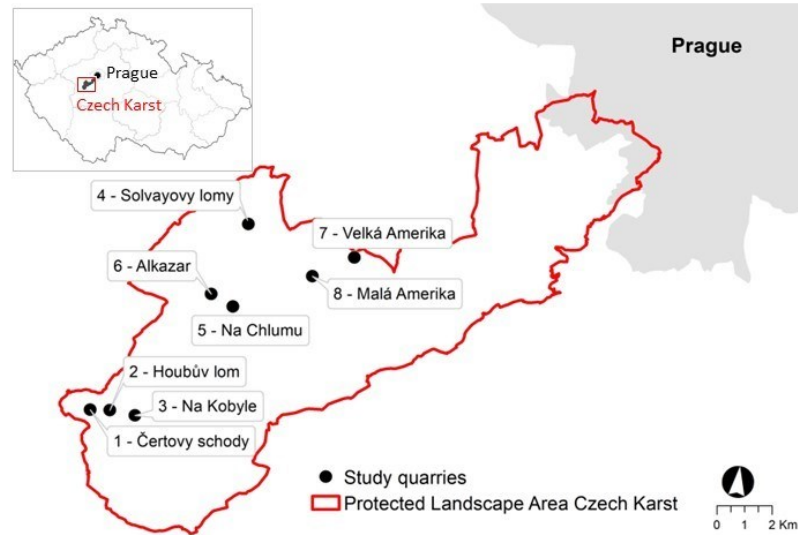
- Rapid urbanization ■ Sustainable development ■ Increasing demands for materials to support this development
- Quarrying disrupts and re-makes places
- Importance of residents' motivations for adaptation to a place after its disruption by quarrying



# Aims & Study area

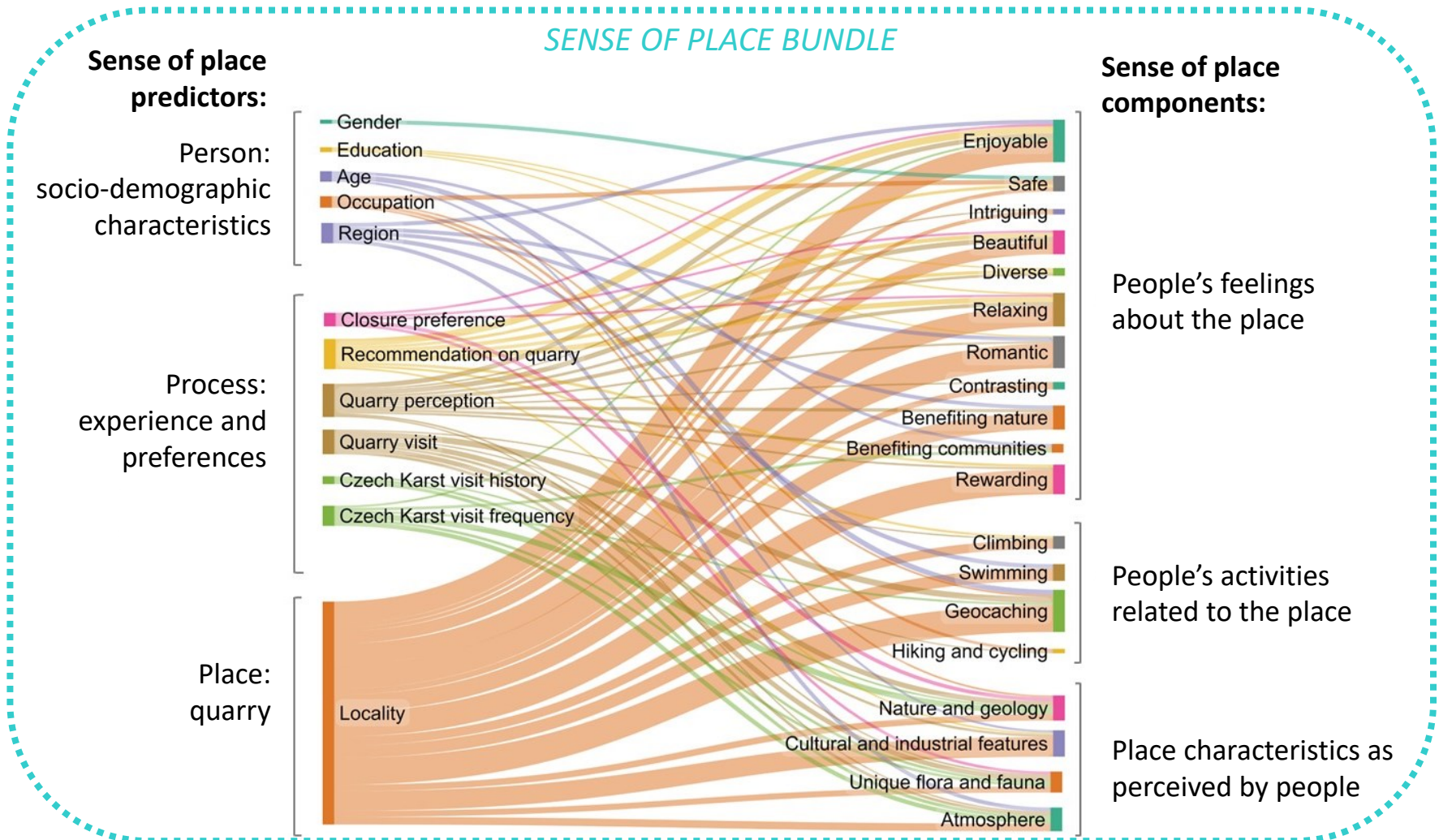
- Quarrying disrupts the dynamic interactions between people and places that were present before quarrying. It shapes these interactions and creates new ones.

- Study area:** Czech Karst, Czechia
- Aim:** analyze sense of place associated with 8 restored and operating quarries
- Target participants:** visitors to the Czech Karst
- Anonymous questionnaires
- Final sample:** 400 visitors (50 per quarry)



# Approach

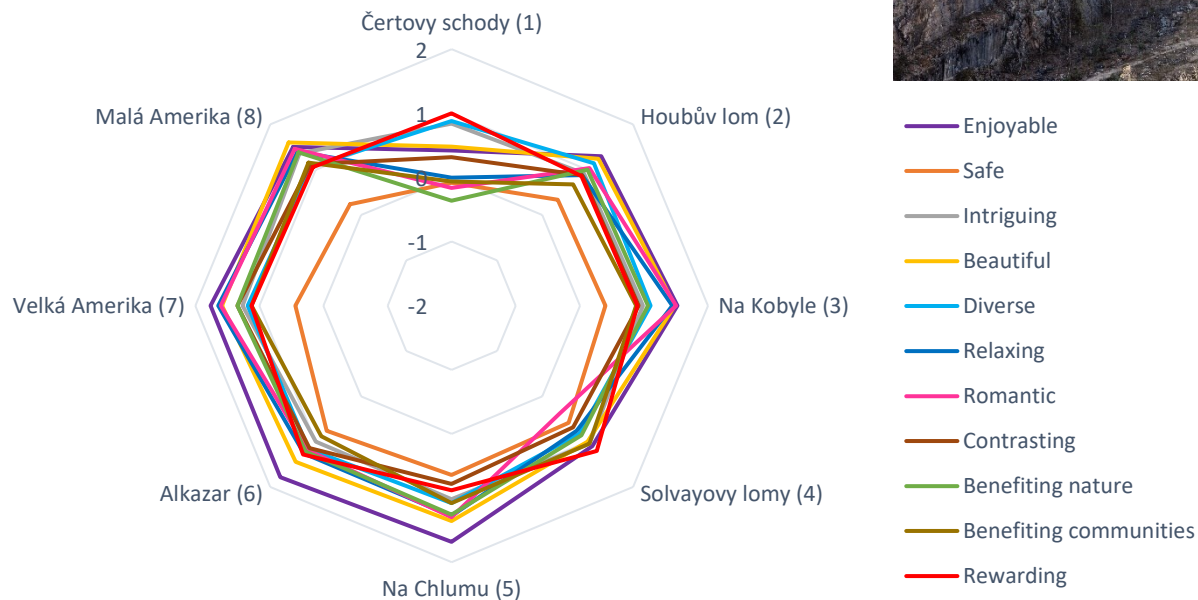
- Sense of place is a **dynamic system** of predictors and components that we term a ***sense of place bundle***



- Data analyzes: Mann-Whitney U test and Kruskal-Wallis H test

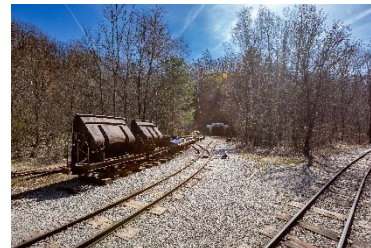
# Results

- Different predictors have different effects on different sense of place components.
  - Dynamic nature of sense of place.
  - It is possible to identify and potentially predict its composition.
  - It allows its transferability.
- Some sense of place predictors and components are more important in the bundles than others.
- The significance of social-ecological restoration in peoples' place re-making processes is apparent across all our findings.



# Conclusions

- Sense of place is a key element and driver of place (re)making processes.
- Sense of place is formed in bundles where predictors and components interact in a dynamic system.
- This conceptualization allows for the content of the bundles to be analyzed, modified, transferred and changed over time.
- Analyzing the content of the bundles may provide insights into critical questions of the sustainability challenges in terms of matching individual place-based interactions with sustainable development goals.



Thank you.

