

Facilitating climate adaptation policy for cultural heritage

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Barriers to climate adaptation

- ❑ Constraints/obstacles that delay or prevent development and implementation of adaptation
- ❑ Depending on:
 - ❑ Characteristics of the multi-level actors
 - ❑ Nature of the cultural heritage involved
 - ❑ Larger governance context within which the multi-level actors and cultural heritage operate
- ❑ Arise at all stages of adaptation process
- ❑ Interdependent: different types of barriers can co-occur, reinforce each other, or cause new barriers to emerge

Barriers to climate adaptation



Lack of policy and plans
Lack of cooperation
Lack of awareness about heritage benefits

Institutional



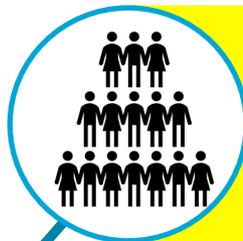
Lack of knowledge about climate change risks
Lack of technical skills
Lack of holistic natural and cultural heritage mgmt.

Technical



Lack or limited funding
Lack of subsidies or tax incentives

Financial



Lack of motivation
Place attachment
Lack of public support for climate change adaptation

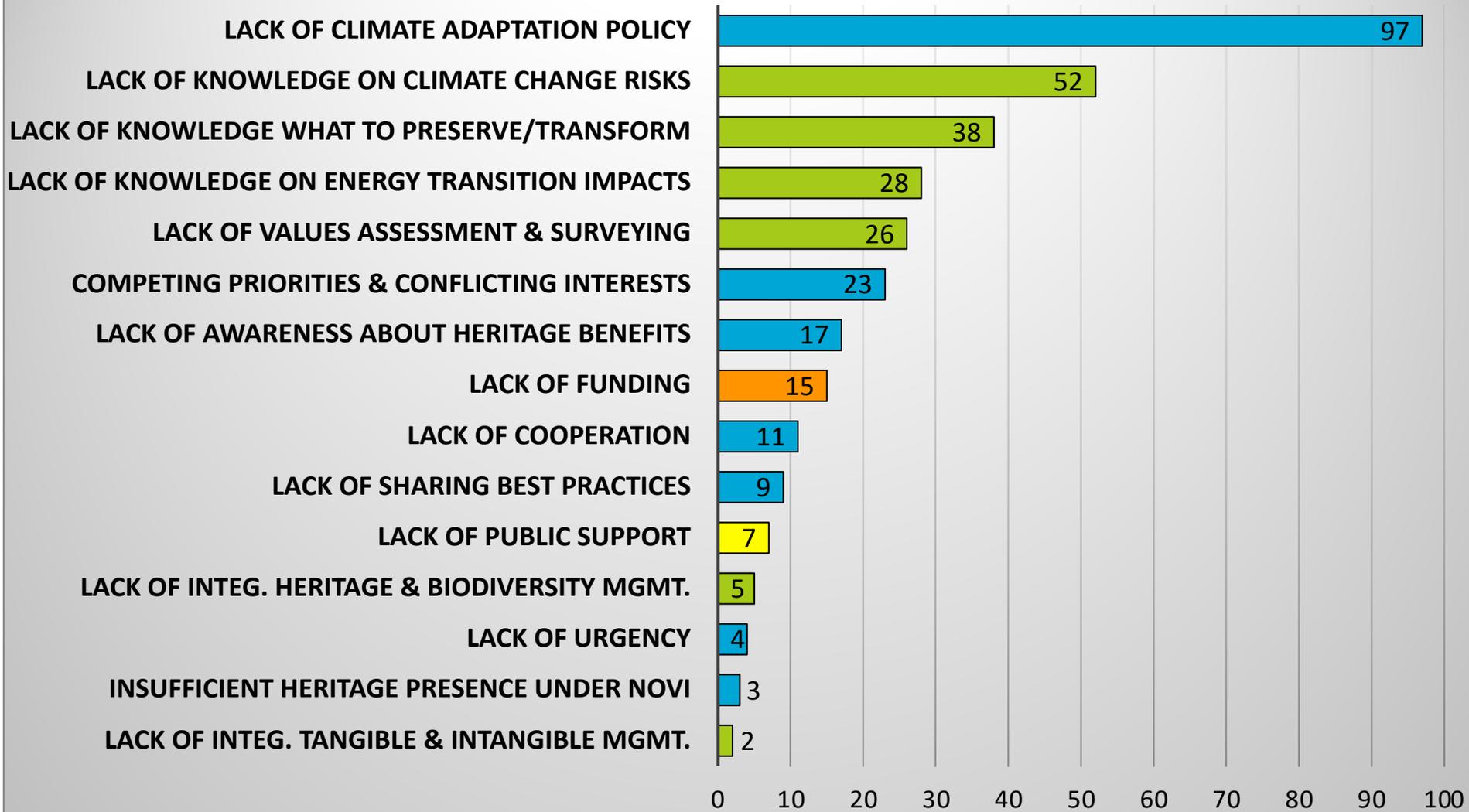
Socio-cultural

Methodology

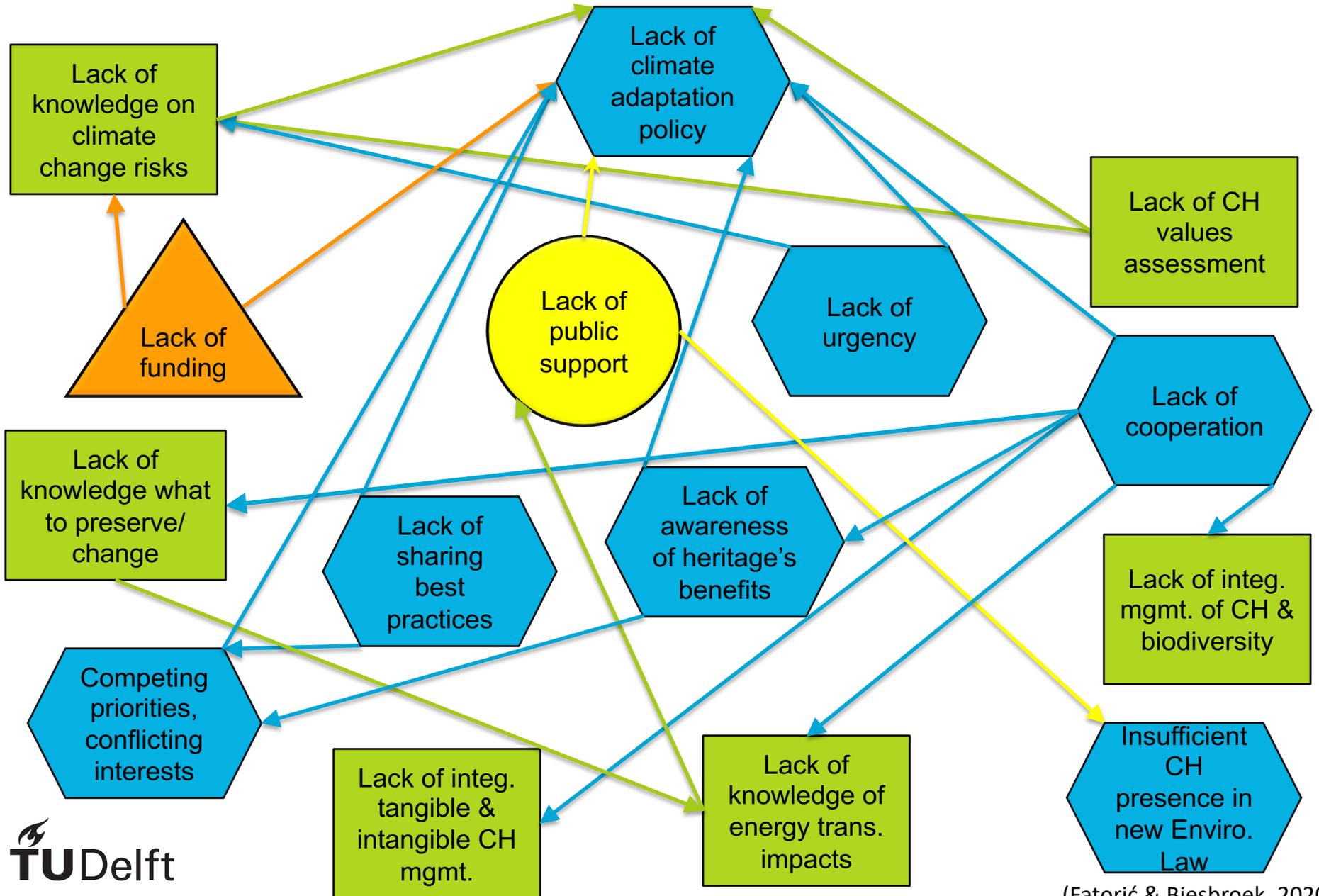
- ❑ Web-based survey questionnaire
- ❑ 85 invited experts in cultural heritage management and policy from the Netherlands
- ❑ Response rate 70%
- ❑ Content analysis for open-ended questions (NVivo) and descriptive statistics for closed-ended questions (SPSS)

Identified barriers in the Netherlands

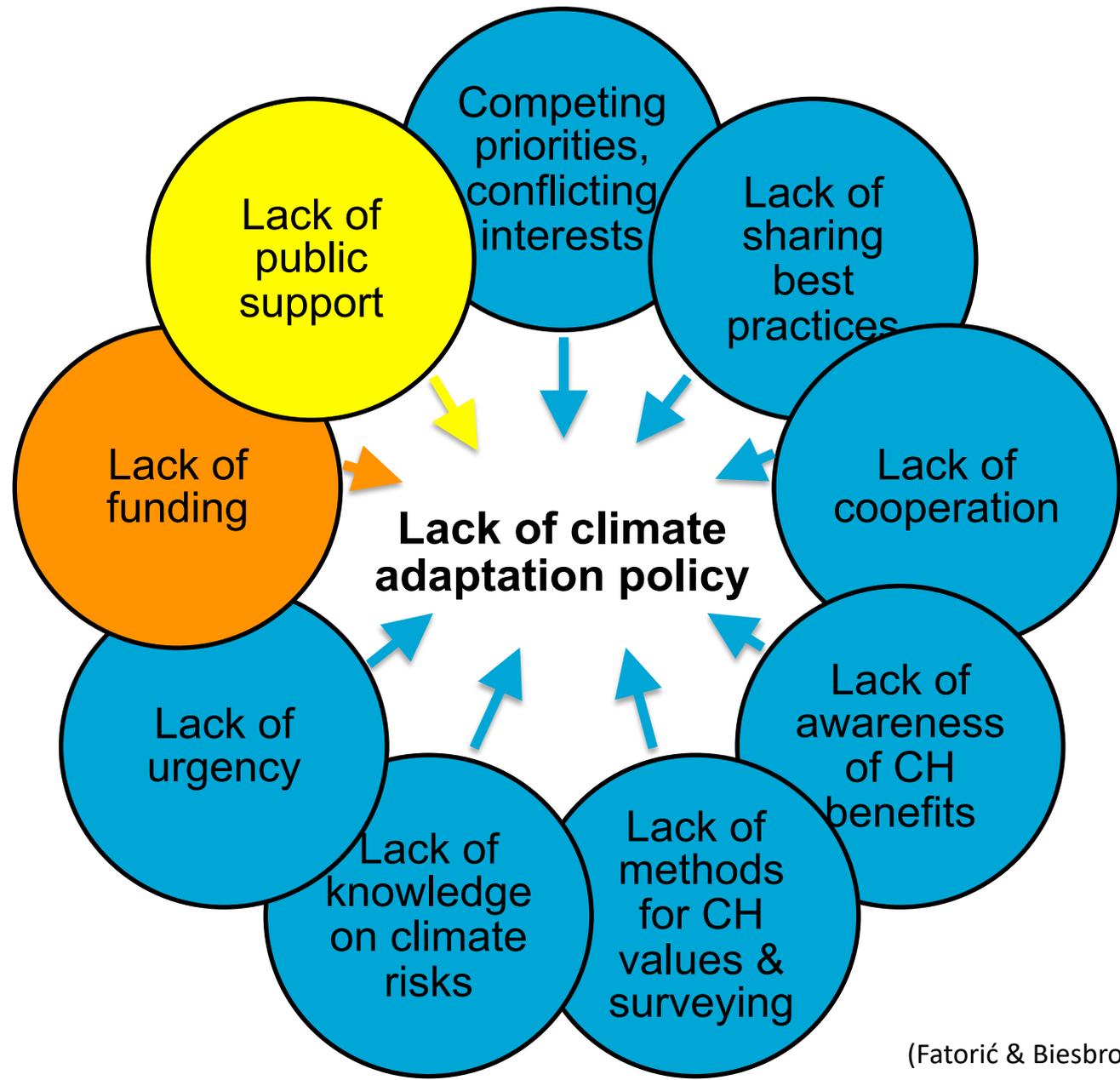
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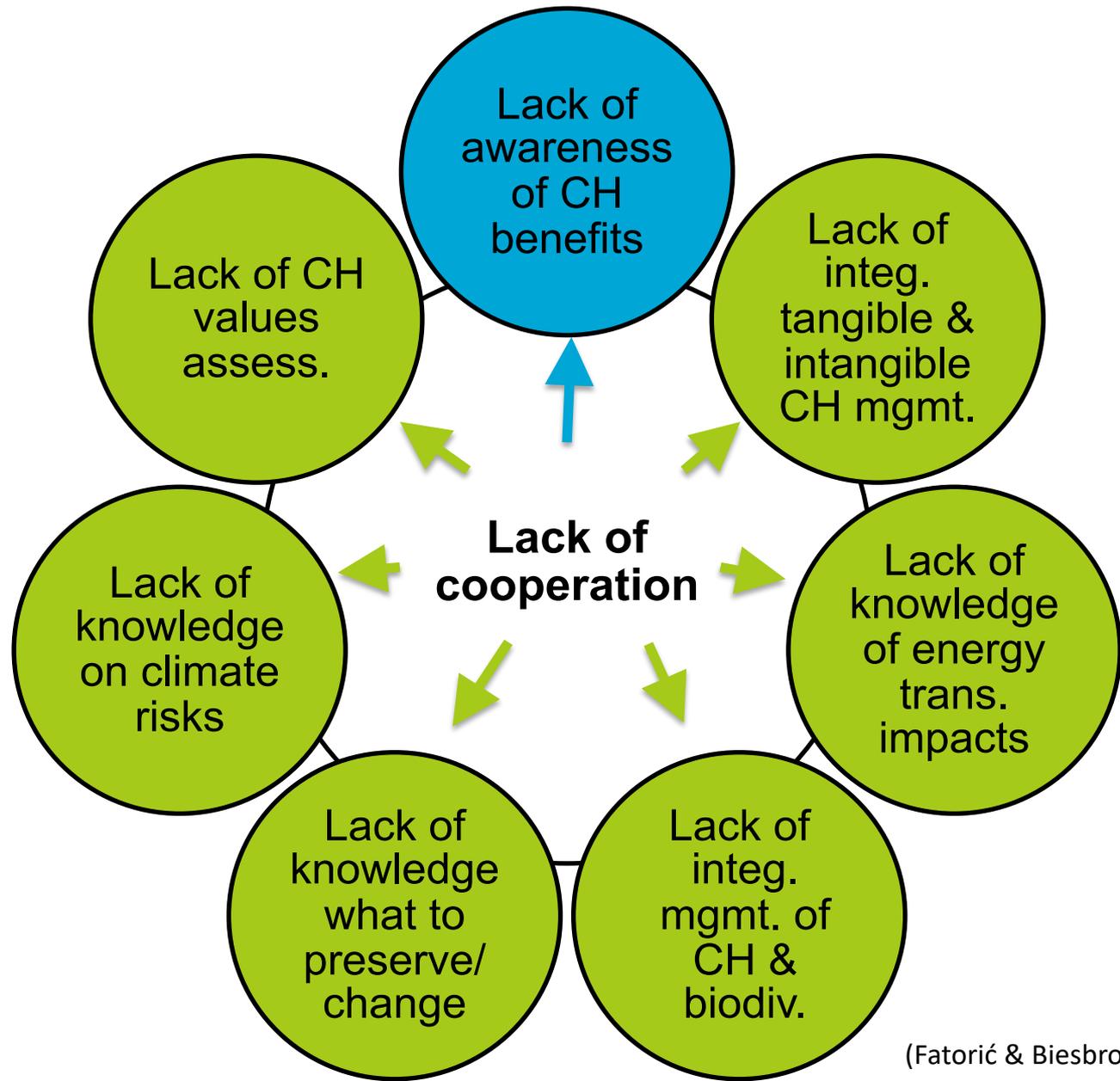
Interdependencies among barriers



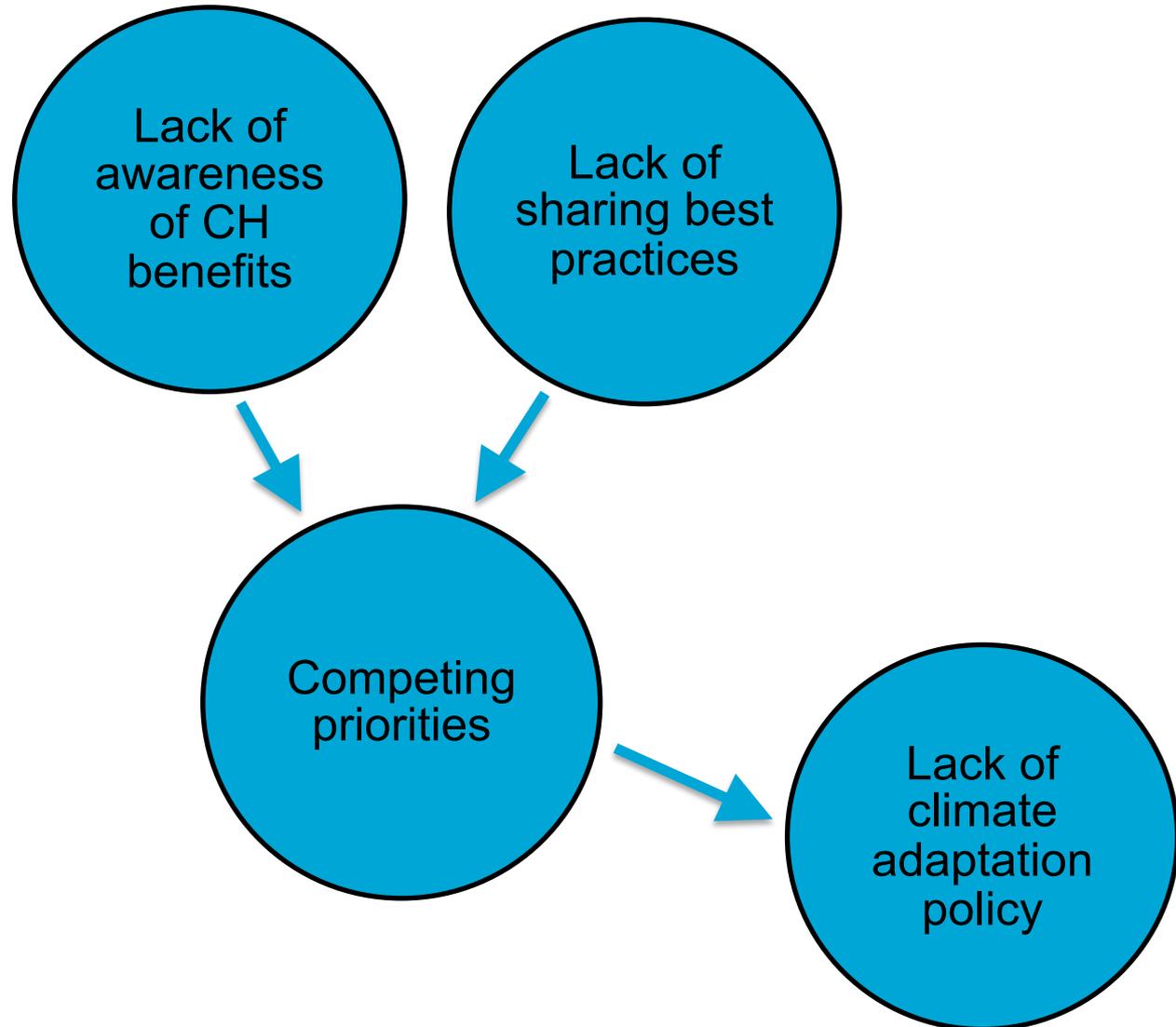
Interdependencies among barriers



Interdependencies among barriers

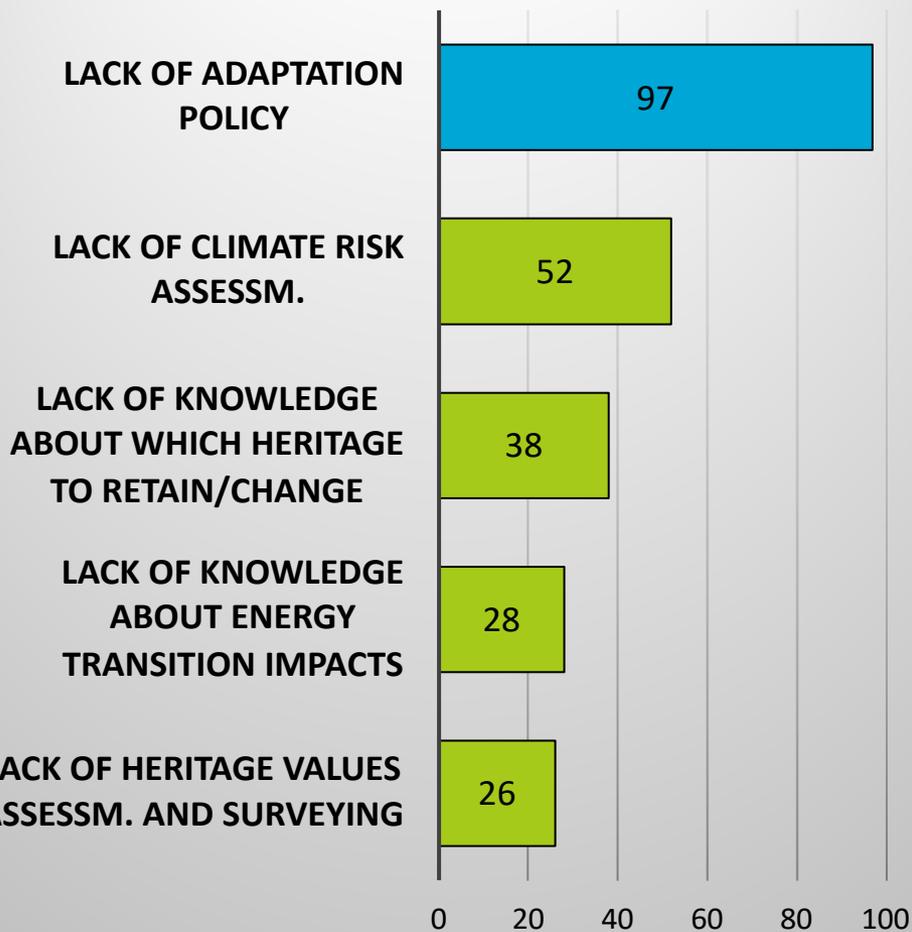


Interdependencies among barriers

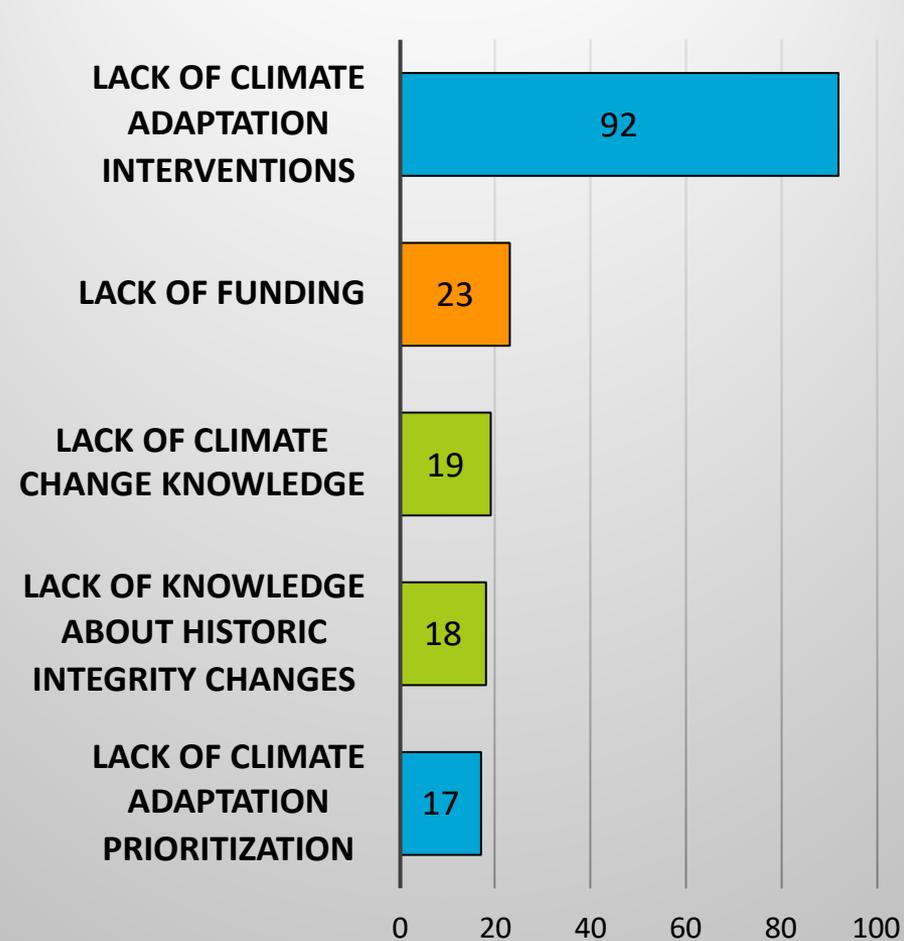


Comparative analysis of barriers

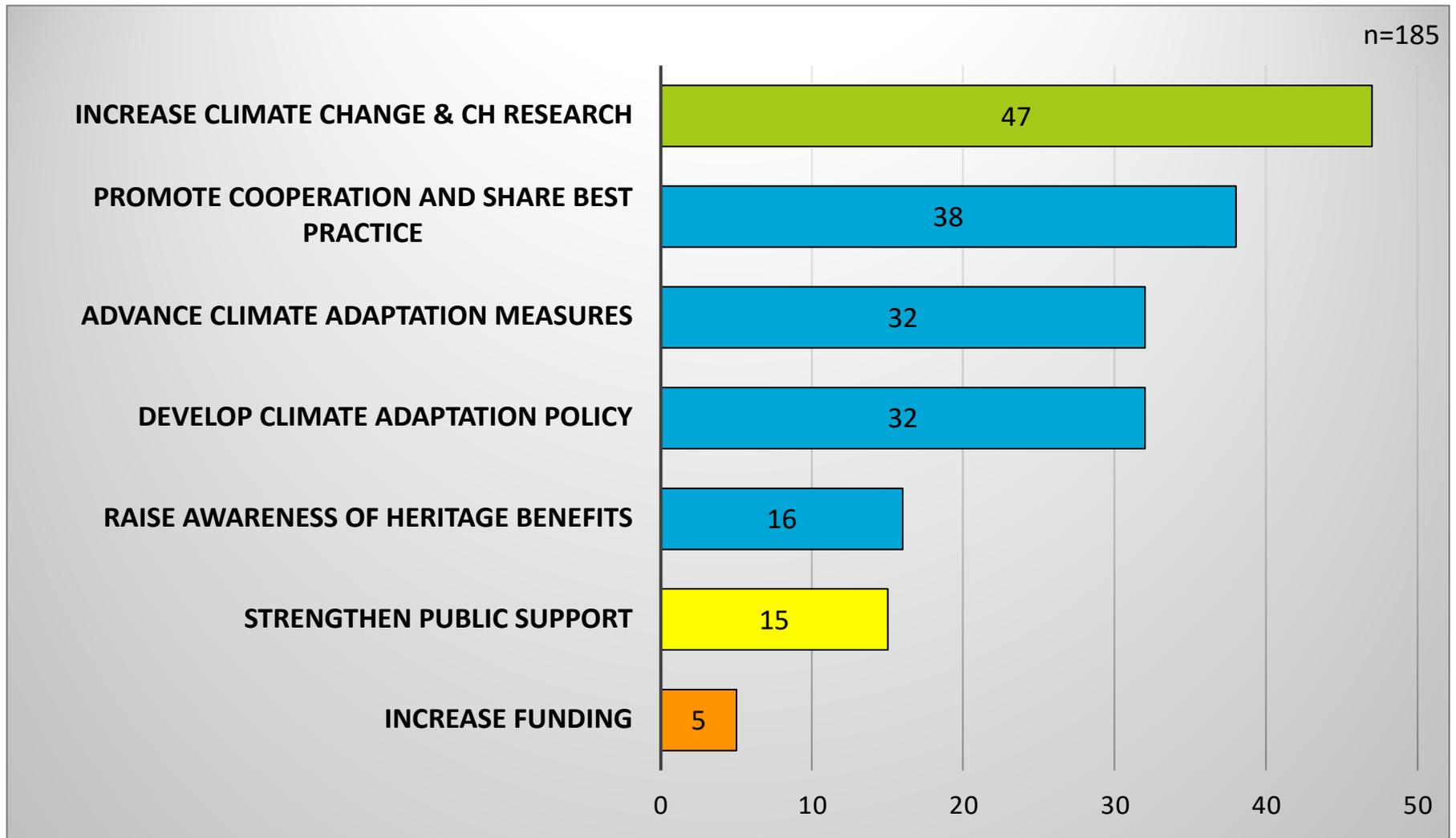
Netherlands



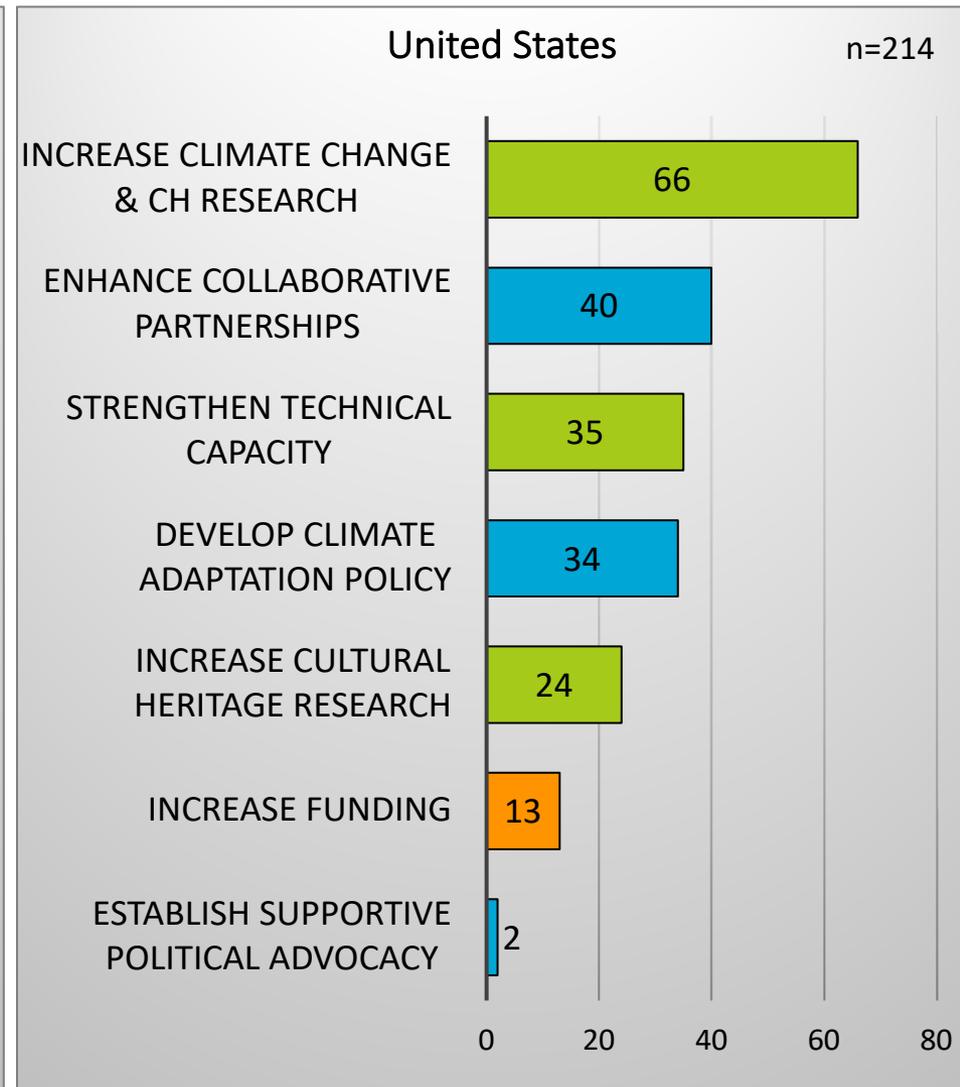
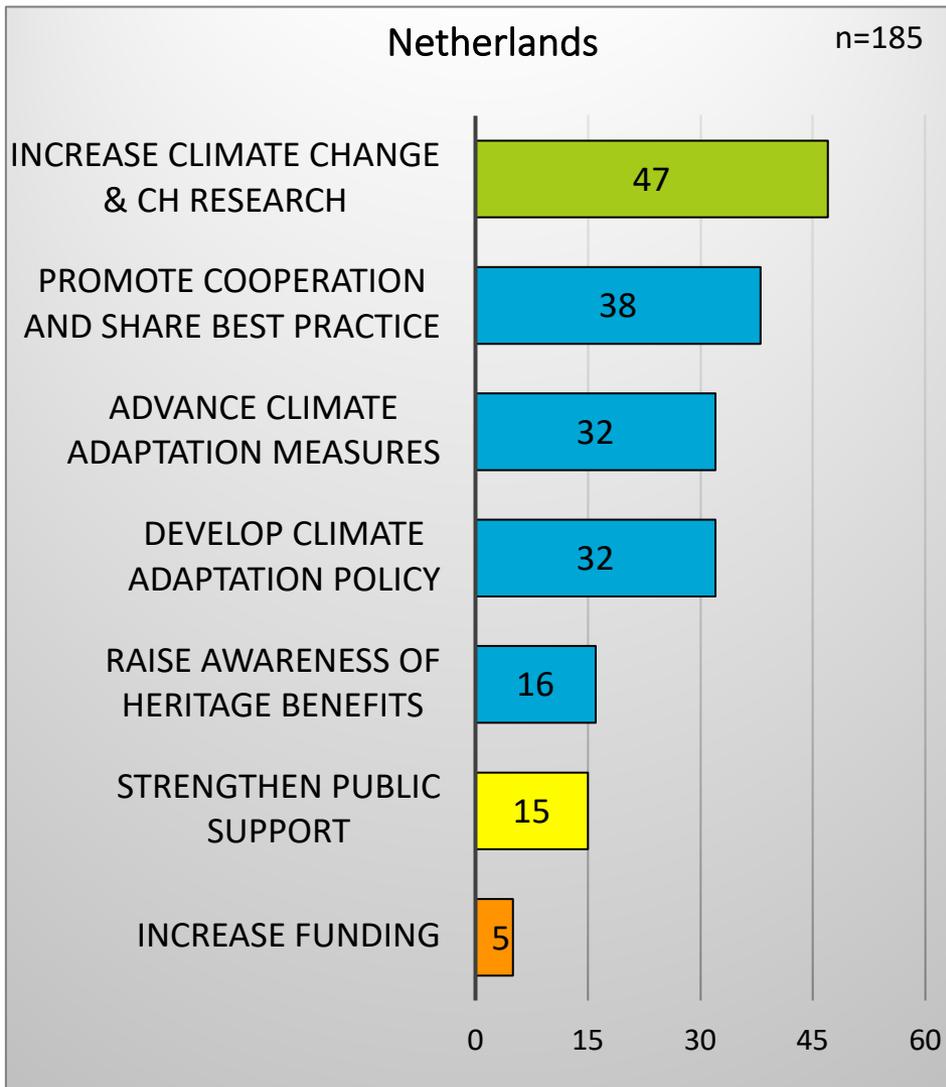
United States



Identified strategies to overcome barriers



Comparative analysis of strategies



References

- ❑ Fatorić S. & Biesbroek R. (2020). Adapting cultural heritage to climate change impacts in the Netherlands: Barriers, interdependencies and strategies for overcoming them. Climatic Change. <https://doi.org/10.1007/s10584-020-02831-1>
- ❑ Fatorić S. & Seekamp E. (2017). Securing the future of cultural heritage by identifying barriers to and strategizing solutions for preservation under changing climate conditions. Sustainability 9: 2143. <https://doi.org/10.3390/su9112143>

Thank You!

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