



(Trans)local social capital and its role in enhancing adaptation to coastal hazards: Evidence from urban coastal communities in Indonesia

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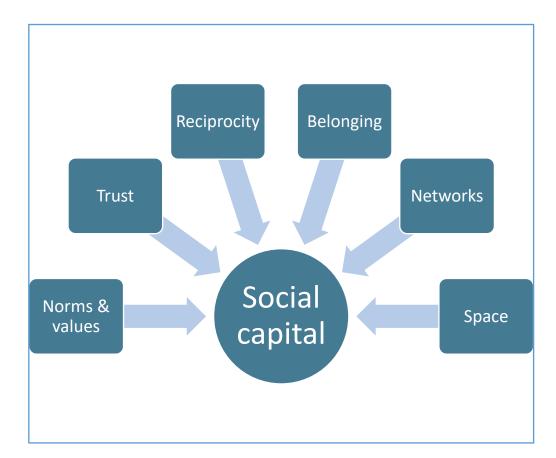




SPP 1889 REGIONAL SEA LEVEL CHANGE AND SOCIETY

Social networks and responses to natural hazards and environmental change

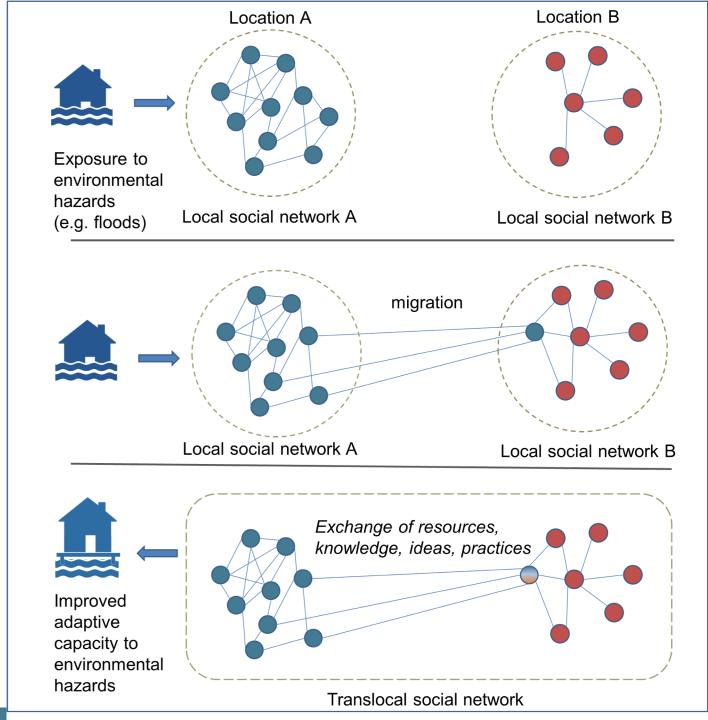
- Climate change and sea level rise: significant challenges to urban coastal communities globally, especially in the Global South
- Importance of household and community-level adaptation
 - Limited state resources and/or governmental action
- Central role of social capital in reducing vulnerability and enhancing resilience
 - Offset limitations in financial and human capital





(Trans)local social networks and adaptive capacity

- Translocally connected households and communities are able to access resources and opportunities not available locally
 - Especially important when local capacities are overwhelmed
- Importance of translocal social capital often remains overlooked by existing research
 - Need for a more comprehensive understanding of (trans)local social capital in the context of coastal adaptation



Research agenda

Research gap:

 Knowledge about formation, implementation and effectiveness of (trans)local support remains limited

Study objective:

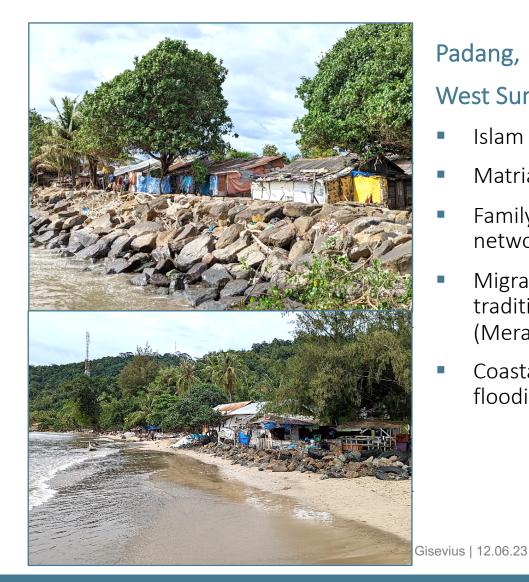
 Investigate the impact of (trans)local social capital on coastal adaptation of flood-prone households in Padang and Denpasar, Indonesia

Research questions:

- 1. How does flood-related support differ between local and translocal social capital?
- 2. What factors influence the effectiveness of (trans)local support in improving long-term responses to flooding?

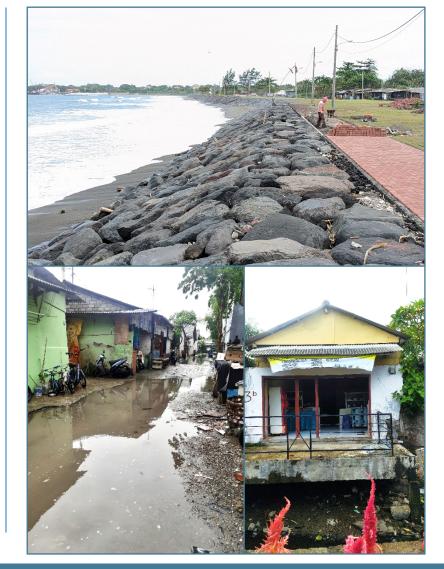


Study focus: Flood-affected coastal communities in Padang and Denpasar



Padang, West Sumatra

- Islam
- Matriachal
- Family networks
- Migratory tradition (Merantau)
- Coastal & rain flooding



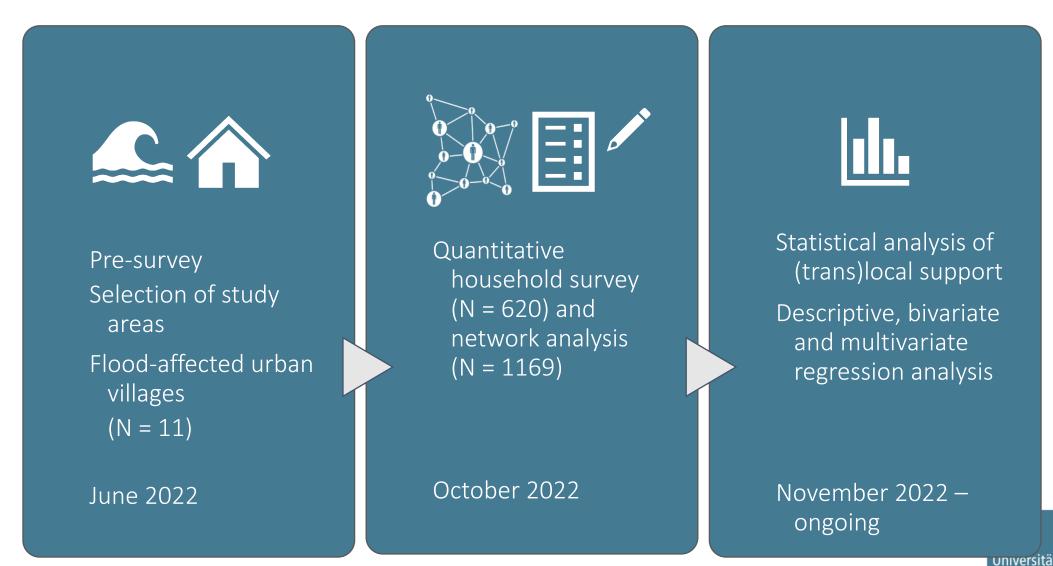
Denpasar,

Bali

- Hinduism
- Patriachal
- Community belonging & family ties
- Strong immigration
- Coastal & river flooding



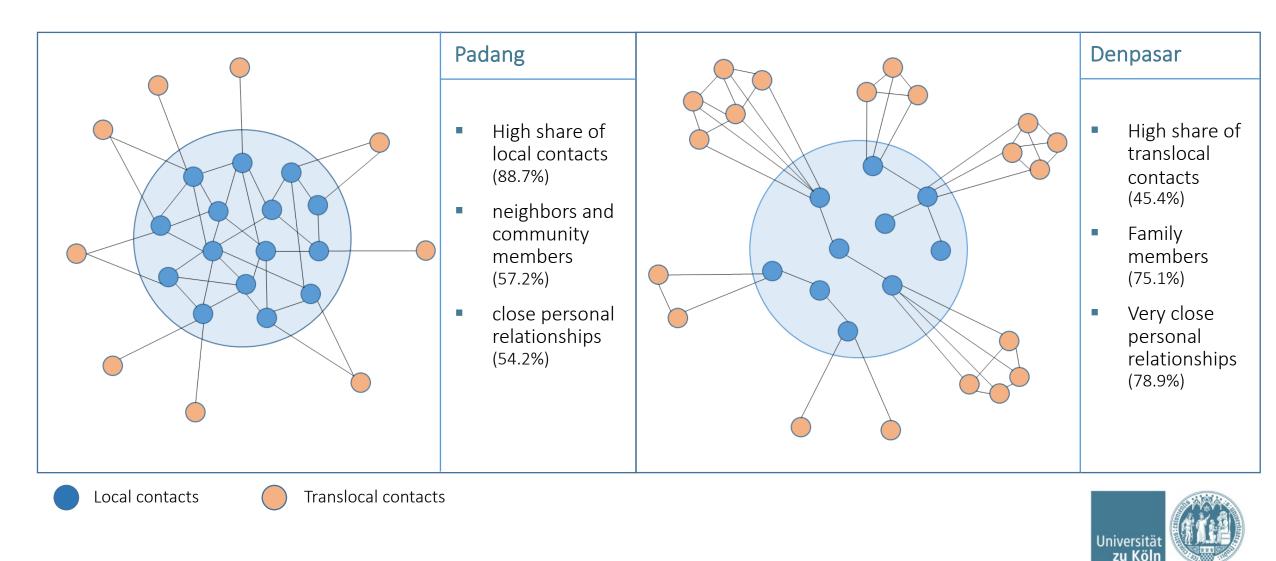
Methods: Data collection and analysis



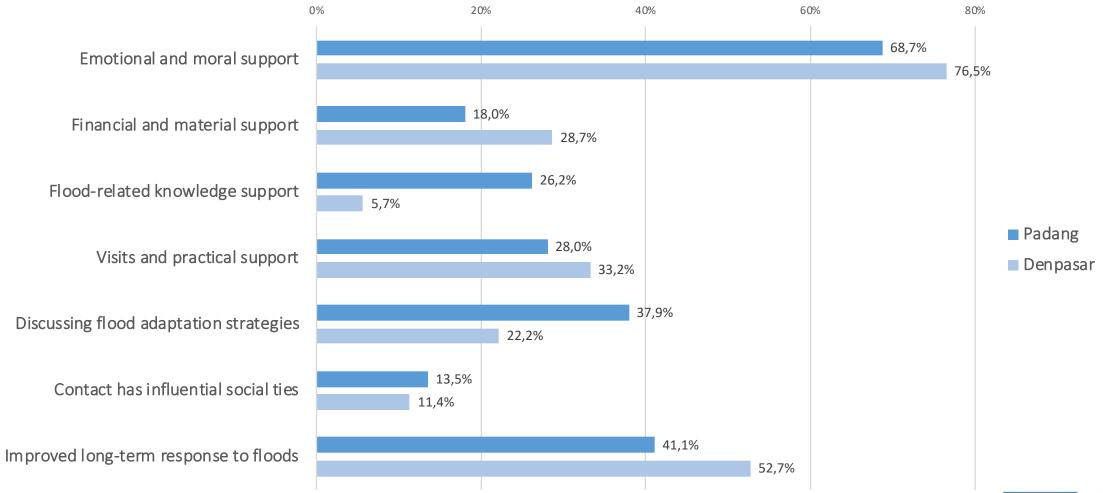


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Results: Characteristics of social networks in study areas



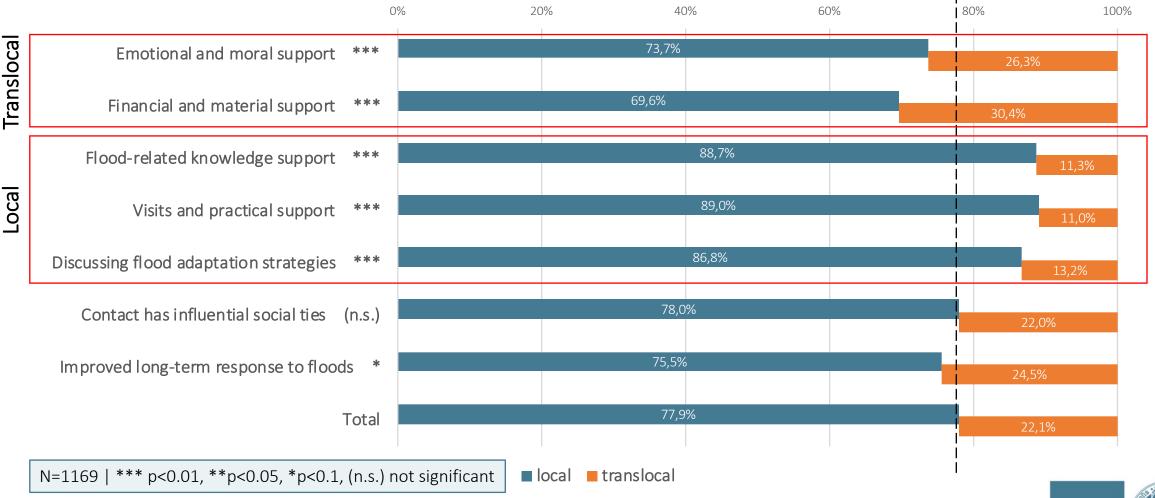
Descriptive results: Support received from (trans)local contacts





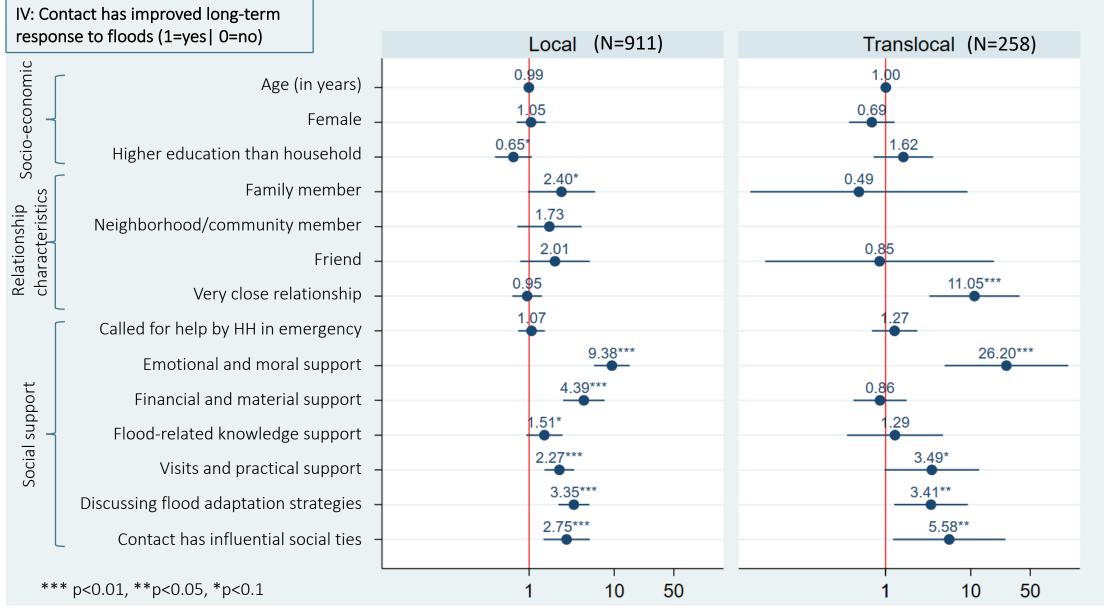
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Bivariate results: Support provided by (trans)local contacts

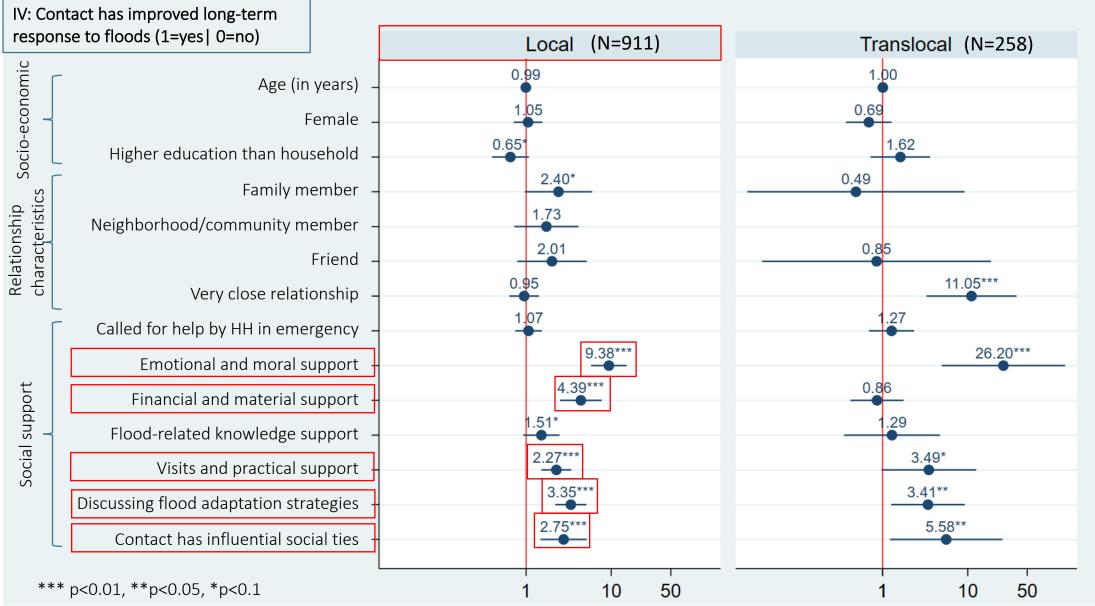




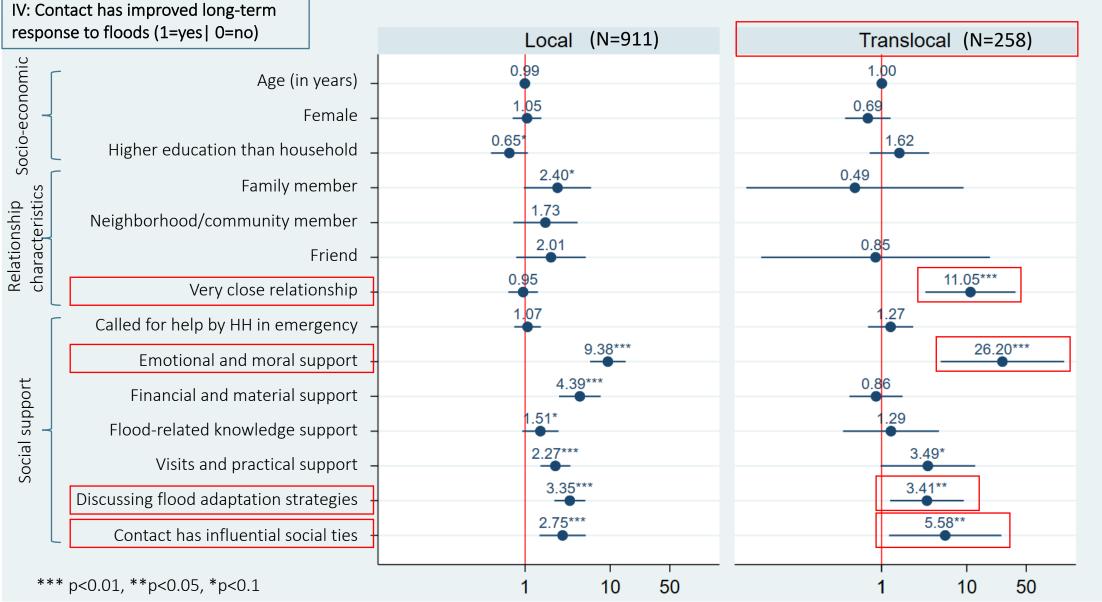
Multivariate results: Logistic regression models | Odds ratio



Multivariate results: Logistic regression models | Odds ratio



Multivariate results: Logistic regression models | Odds ratio





Discussion and conclusions

- How does the role of (trans)local social capital in enhancing long-term responses to coastal flooding contribute to our understanding of local adaptation?
- Importance of (trans)local bonding social capital in enhancing long-term responses to coastal flooding
 - Role of (trans)local social capital in providing different types of support
 - Complementary nature of local and translocal social capital in addressing coastal flooding challenges
 - Long-term benefits of combining local and translocal social capital for increased resilience
- Spatial distance as a determinant of support in social networks
 - Differences in support provided by local and translocal contacts based on spatial distance
 - Influence of close personal relationships on the effectiveness of support
 - Relevance of spatial distance in shaping the nature and quality of social capital in adaptation processes



Discussion and conclusions

- Implications for research on local adaptation: necessity of a translocal perspective
 - Understanding the interplay between local and translocal social capital in adaptation strategies
 - Acknowledging the role of family, household, and community ties that transcend spatial boundaries
 - Integrating translocal social capital into local adaptation policies and practices
 - Inclusion of migrant households and their translocal networks in adaptation planning



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