



Coordination and Communication as a Local Intervention for Efficient Adaptation to Climate Change Disasters A Field Experiment

von Bülow, Catharina Wolff

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Coordination and Communication as a Local Intervention for Efficient Adaptation to Climate Change Disasters

A Field Experiment



Adaptation | Climate change governance at the local level

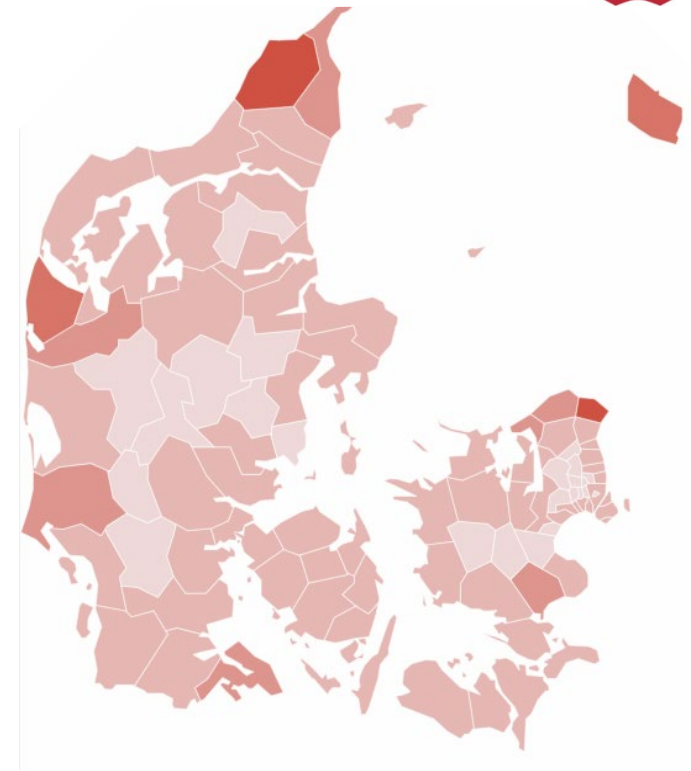
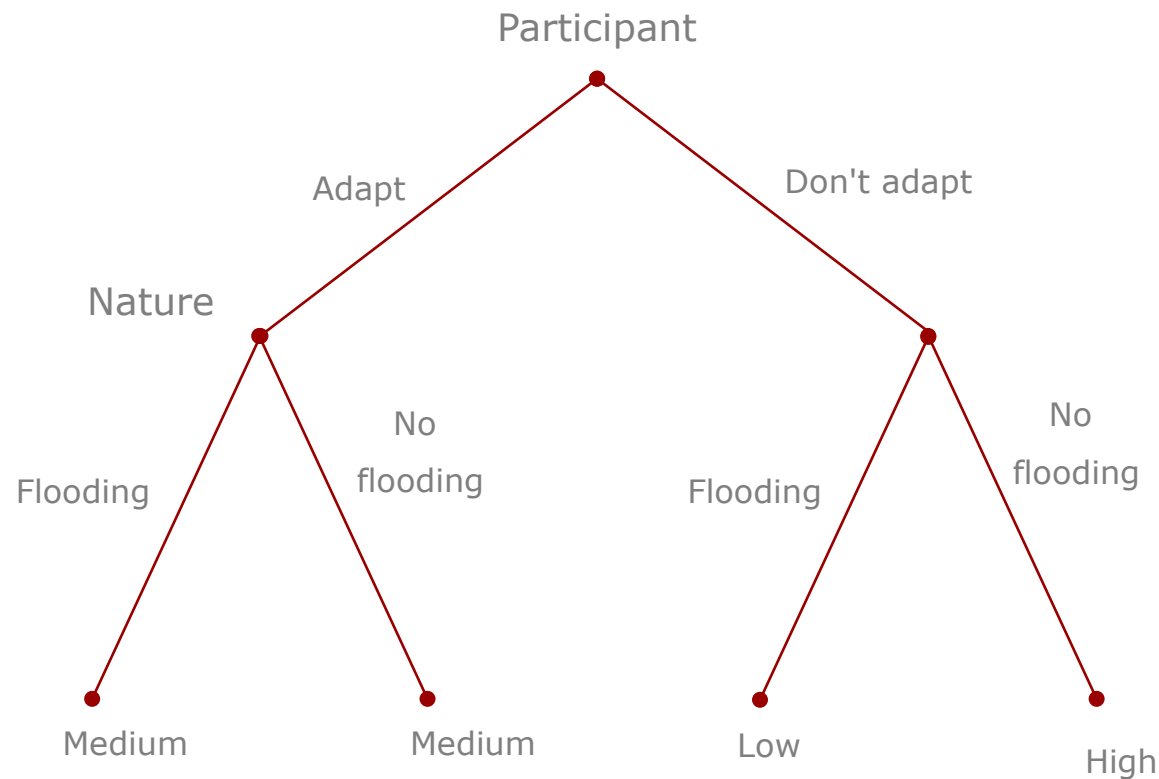
Local mitigation policies networks had been initiated even before the IPCC First Assessment Report was released, **adaptation** policies at the local level however, are still in their infancy [Kern and Alber 2008]

Modes of climate change governance

- *Self-governing*: i.e. public buildings should be adapted to climate change
- *Governing through enabling*: local governments influence private actors to do their share to procure adaptation
- *Governing by provision*: i.e. warning systems and emergency planning
- *Governing by regulation*: involves, for example, urban planning
- *Adaptive governance*: experimental approach, which allows newly established institutions to “experiment with different solutions and learn from them in order to adapt”[Evans 2011]

Issues with generalization, but shown to be effective in addressing unique climate change impacts on social systems at the local level

Subject pool | Cross-municipality comparison



- Prediction: adaptation is chosen less in hazard prone municipality due to over/under-updating

Part 1 | Individual treatment



Risk
information



Adaptation
decision



Random
event

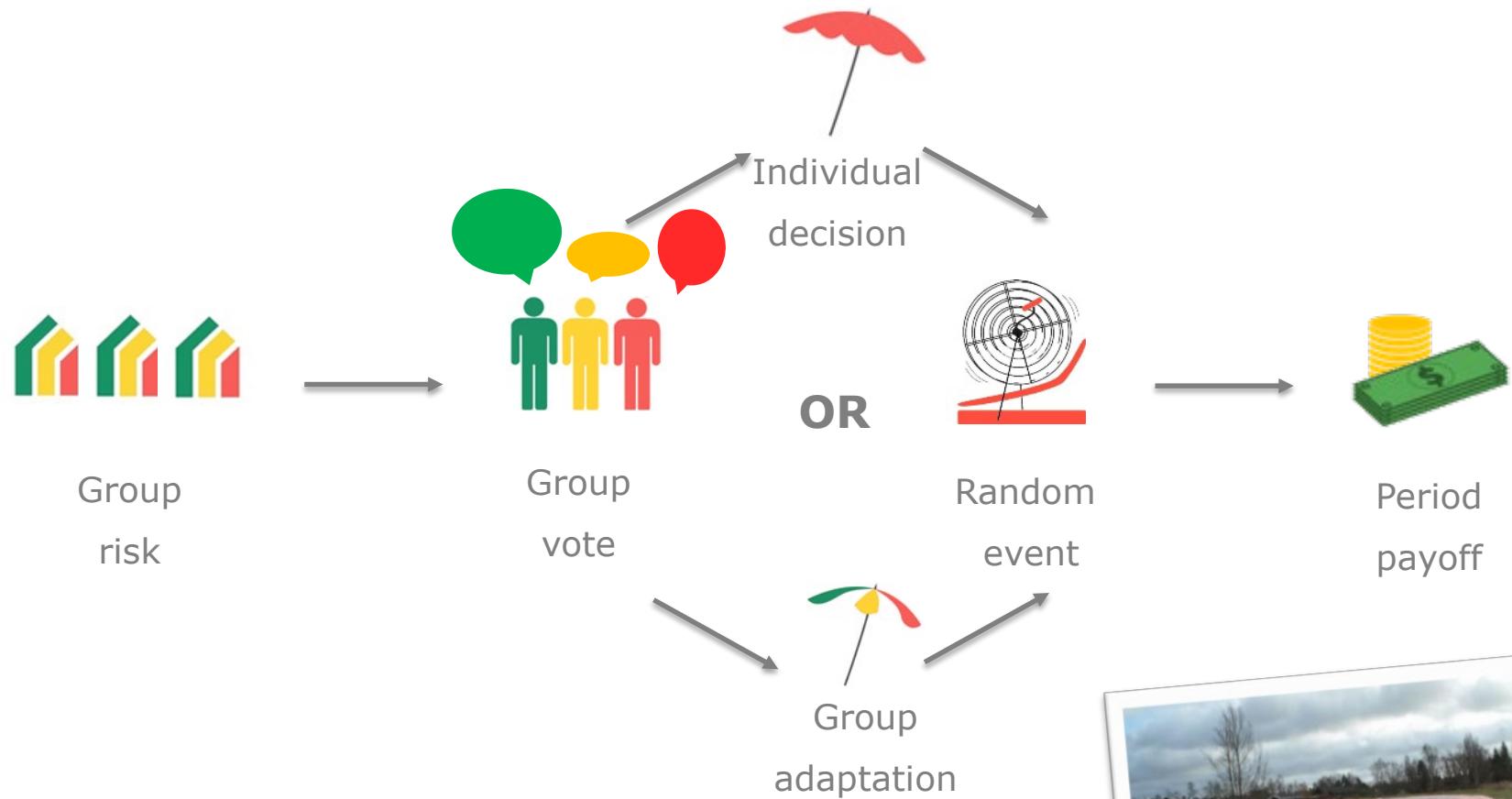


Period
payoff

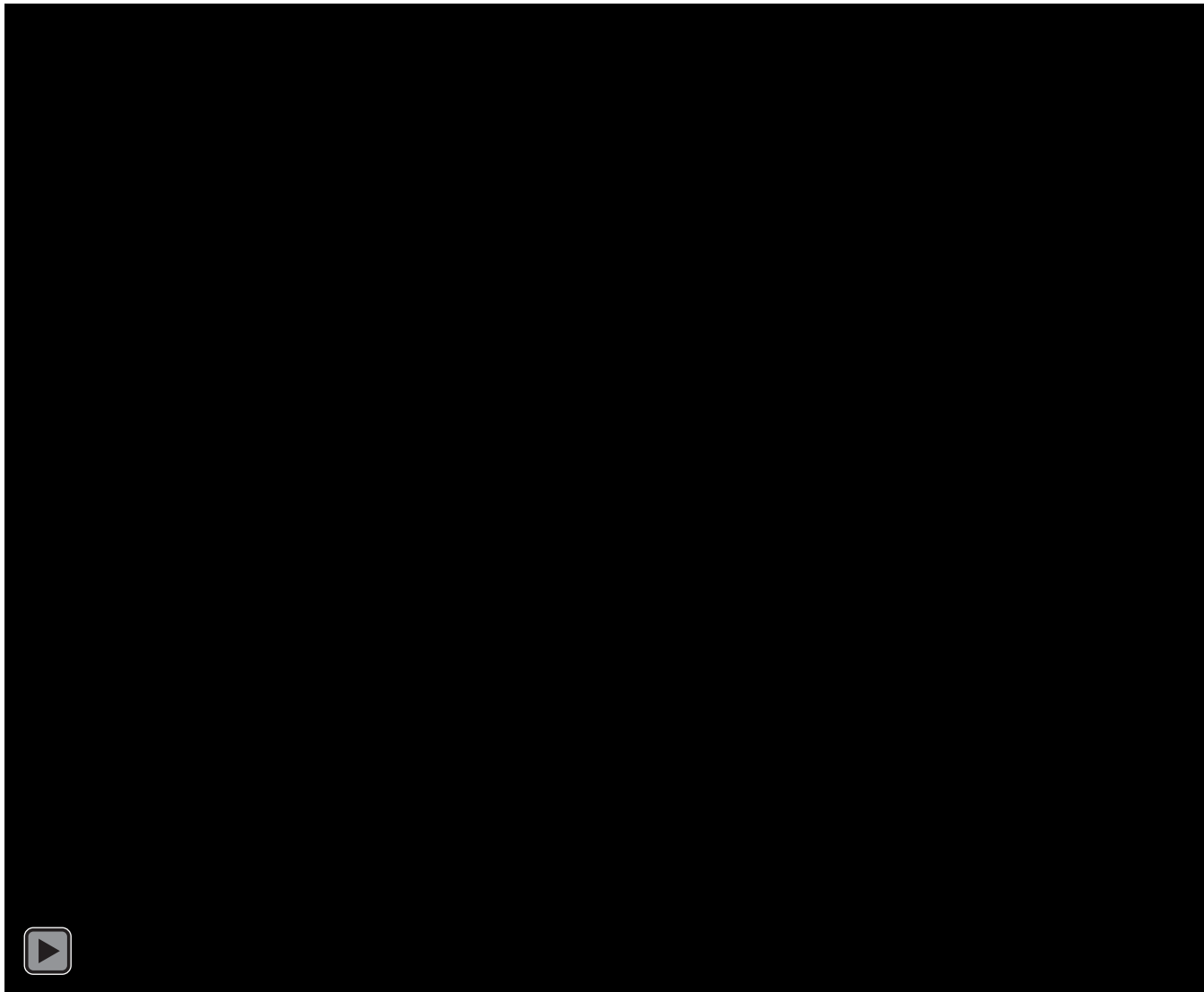
Individual treatment | Example



Part 2 | Group treatment



Group treatment | Communication example



Feedback | A few points

- Knowledge of climate change governance or go-to person
- Ideas for making it more contextual (artefactual)
 - Calibration
 - Framing
 - Visuals
 - Post-questionnaire
- Other comments?

Thank you