

# Essays on rural household decision-making under climate risk

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# Essays on Rural Household Decision-Making under Climate Risk

## Propositions Accompanying the Dissertation

1. Climate shocks and climate risk management strategies influence rural households' decisions to invest in human, physical and natural capital.
2. Rural households discriminate against human capital development of girls in the presence of climate risk-induced income shocks. (Chapter 2)
3. A proper design feature of a market-based environmental policy induces large-scale adoption of climate-smart agroforestry, which enhances climate-resilient livelihood and self-reliance of rural households. (Chapter 3)
4. Access to formal climate risk transfer mechanisms improves uptake of risky but profitable agricultural technologies by lowering farmers' risk-aversion. (Chapter 4)
5. There are self-reinforcing mechanisms related to decision-making in response to uninsured climate risks that trap rural households in persistent poverty.
6. "Education is one of the blessings of life, and one of its necessities." Malala Yousafzai
7. "With greater support for innovation, we can unlock new opportunities and spur change across the global ecosystem [...] to ensure those most at risk have the opportunity to thrive." Bill Gates
8. "A focus on the right policies can make an enormous amount of progress." Esther Duflo
9. Our understanding of households' responses to climate shocks facilitates identifying policy options to fight against vulnerabilities to poverty related to climate change.
10. "A PhD should be about improving society, not chasing academic kudos." Julian Kirchherr