







## What have we learned?

We urgently need to generate more evidence for determining which interventions are likely to be most effective in reaching emissions reductions targets, while avoiding negative effects on food security and human welfare outcomes. Without better evidence there is a high risk that we waste funding on programmes that fail.

The EGM highlights the need for more and better designed impact evaluations that measure the effects of programmes on both GHG emissions and human welfare outcomes, including food security. Wherever it is feasible, studies should directly measure GHG emissions to test assumptions about the accuracy of using intermediate outcomes, such as deforestation rates, as proxies for emissions.

There are a handful of high quality systematic reviews available, but their findings are limited by the lack of available evidence. There is however potential for new and updated reviews focusing on the interventions with the largest concentration of studies.

Opportunities to use randomised evaluation designs (e.g. through randomised programme roll-out) should be explored, wherever this is possible. Studies that combine counterfactual analysis with process evaluation and qualitative research would allow researchers to also answer the question of why programmes work or don't work and for whom.

For protected areas, payment for environmental services, decentralised or community-based forest management, and agricultural extension and training, there are a substantial number of studies. Few or updated systematic reviews will therefore add value.

## About this EGM

This summary is based on the forthcoming 3ie EGM, *Land-use change and forestry programmes: evidence on the effects on greenhouse gas emissions and food security*, Evidence Gap Map Report 3

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