What influences the implementation of natural climate solutions?  
A systematic map & review of the evidence

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We developed & analyzed a large database of peer-reviewed literature on the implementation of natural climate solutions (NCS)

We found that the broad categories of enabling factors mentioned are similar across regions, but the combination of factors and how and for whom they are taken up remains heterogeneous globally, and even within countries

WHAT ARE NATURAL CLIMATE SOLUTIONS?
*Conservation, restoration, and improved land management actions that increase carbon storage and/or avoid greenhouse gas emissions across global forests, wetlands, grasslands, and agricultural lands* (Griscom et al 2017)

Types of enabling factors mentioned in the 10 countries with highest number of observations
- We reviewed & coded 211 peer-reviewed publications
- 43% (n = 91) were associated with REDD+, all but one of which were published post-2010
- We observe a slow upward trend in the literature on restoration

85% of observations focused on forests
(N=249 observations in 211 articles)
- 20% on activities in agricultural lands
- Few were concerned with grasslands (3%) and wetlands (10%)

Reviewed studies were mostly in tropical regions
Specifically Latin America & the Caribbean (25%), sub-Saharan Africa (20%), Southeast Asia (14%), and South Asia (12%), generally aligning with NCS mitigation opportunities

There are many important drivers of implementation
Most frequently mentioned are engagement of indigenous peoples & local communities, performance-based finance, and provision of technical assistance

Critical reflection is needed in knowledge production
Including with & for whom, and with what objectives it takes place, e.g. what enabling factors are considered may differ with alternate research and project perspectives, such as when starting from social justice or equity angles

Our results highlight implementation of NCS relies on suites of INTERLINKED enabling factors

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References