Submitted Abstract

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Abstract

In many mountain regions, lack of reliable demographic and other socio-economic data are among the main constrains to make visible and monitoring socio-environmental change processes and its drivers. This situation is related with the underestimated, usually hard to measure, features of disperse “invisible” populations with no census, insecure land tenure expressed in outdated cadaster, land uses without accurate spatial representation, and the interventions of different stakeholders with projects whose effects are not assessed. To prove possible usefulness of available information about the population, land use, land tenure and actor-interventions, our research started in 2020 with the aim of design a set of indicators to identify and measure socio-environmental changes at the local scale through an experimental case study. This case cover 11,000 hectares and 70 plots including different protected areas categories overlapped with private properties dedicated to cattle farming. We explore the interaction among the mentioned variables collecting, systematizing, and analyzing affordable data in secondary institutional sources, and fieldwork in situ with a sample within the community members. In this presentation, we share the results of the case, emphasizing the kind of data collected, methods and feedbacks among the interacting variables, to finally considering the implications and possible applications in the context of Colombian highlands.