# **Appendix S1**

# **Questionnaire**

The list of belief statements in section 1 was sent to collaborators in the UVG and the University of Greenwich, where individuals indicated, using ‘traffic light’ colouring, which belief statements should and should not be included in the questionnaire. A final set of 39 belief statements was chosen for inclusion.

[Collaborators’ logos]

Good day/afternoon/evening, we are students from UVG in the department of anthropology. Currently we are coordinating the delivery of a study with the University of Greenwich in England, and at the local level we are being supported by the Foundation for the Defenders of Nature, Fundaeco and the Rainforest Alliance (Alliance for Forests). This objective of this study is the understand better how the land is used in zones within the Sarstún Motagua (see map below). We require you to tell us a little about your work and the land where you live, using a short questionnaire, and you may ask any questions at any time. This study also serves to improve policies for the environment and development. None of the information and data that you share with us will be used outside of this study.

[Contact information]

[Map of the region]

Section 1:

ID:

Location (department, municipality, community):

Gender (M/F)

Interviewer:

Date:



Section 2:

What situation best describes your relationship to the land? Please choose one:

* I own land
* I am an owner and rent my land out
* I rent land for work
* I possess a certificate of use from the municipality
* I have use rights
* I am a labourer
* Other

Where is your land parcel?

What changes has the forest experienced in the past 10 years?

Section 3:

For those who own land, rent land or have use rights, please answer questions in this section. For labourers, please proceed to Section 4.

What sector do you work in? Please choose one:

* Subsistence agriculture
* Commerical agriculture
* Cattle ranching
* Coffee/cardamom
* Agroindustry (oil palm, rubber)
* Forestry sector (forest management, reforestation, other)
* Mining or hydroelectric
* Other

Are you a member of a community association?

* Yes
* No

Which?

How much land do you own/rent/have rights to?

How much of this land is forested?

How much forest was on the land when you first acquired it?

Why have you maintained this amount of forest?

Section 4:

For labourers.

What sector do you work in?

* Labouring for smallholders
* Labouring for commercial farms
* Cattle ranching
* Coffee/cardamom
* Agroindustry (oil palm, rubber)
* Forestry sector
* Mining or hydroelectric

What have you worked in for the past 10 years?

How many times have you found it necessary to cut down trees?

What has influenced your decision to accept work?

Section 5:

For everyone.

Please indicate your ethnicity:

* Mestizo (Ladino)
* Maya (Q’eqchi, Kaqchiquel, Mam, Quiche)
* Garifuna
* Xinca

How old are you?

How many children do you have?

Do you have any comments?

Table S1. Respondent characteristics by age, gender, number of children, ethnicity, sector, land ownership status, cooperative membership status and organization collecting data (FDN, UVG, Fundaeco)



Table S2: Full factor solution with loadings and Cronbach’s alpha. The entire dataset comprises 501 cases, whose responses to 33 belief statements were analysed using EFA in SPSSv.22. Six belief statements were removed due to inconsistencies in their wording. It produced a stable 5 factor solution of 20 statements using varimax rotation and pairwise deletion.



Table S3: Final factor solution for Ladino sub-group



Table S4: Final factor solution for Mayan sub-group

