

Supplemental material for

“*Ke garne? How Values and Worldviews Influence Resilience to Natural Hazards: A Case Study From Mustang, Nepal*”, by Eva Posch, Karl Michael Höferl, Robert Steiger, Rainer Bell, and Laxmi Gurung, published in *Mountain Research and Development* 39(4), 2019. (See <https://bioone.org/toc/mred/39/4>)

TABLE S1 Questionnaire. (All references are listed in the article at <https://bioone.org/toc/mred/39/4>)

A	Final questions regarding preparedness and support for prevention (PSP) activities	Based on
1	Have you attended meetings on natural hazards planning in [name of village of respondent]?	Exploratory interviews, Lin Moe and Pathranarakul 2006, United Nations Development Program 2012
2	Did you participate in a First Aid or emergency training?	Miceli et al. 2008; United Nations Development Program 2012; Orchiston 2013; Corwin et al. 2017
3	Do you have access to emergency toolkits or first aid supplies in your business?	United Nations Development Program 2012; Fox-Rogers et al. 2016; Corwin et al. 2017
4	Do you have food and material stockpiling/storage in your business?	Dekens 2007; Miceli et al. 2008; United Nations Development Program 2012; Corwin et al. 2017
5	Are you or someone from your household contributing to a community / collective fund for collective resource management?	Exploratory interviews and United Nations Development Program 2012
6	Are you or someone from your household involved in community work for collective resource management?	Exploratory interviews and United Nations Development Program 2012
7	Are you willing to support organization of construction/clearance equipment (e.g. caterpillar)?	Exploratory interviews and United Nations Development Program 2012
8	Are you willing to support the formation of (community) rescue teams for collective disaster response (outside of village)?	Exploratory interviews and United Nations Development Program 2012

B	Questions regarding value items	Based on
1	I would financially help others in [village of respondent] when they face hard times. ¹	Corwin et al. 2017
2	Concerning all kinds of natural disasters, how much is it your personal obligation/ your duty to take actions in [village of respondent]? ²	Stern et al. 1999
3	It's very important to help other people and care for them. ¹	Own considerations
4	He/She likes to take risks. He/ She is always looking for adventures. ³	Schwartz 2003
5	Thinking up new ideas and being creative is important to him/her. He/She likes to do things in his/her own original way. ³	Schwartz et al. 2001
6	He/She thinks it is important to do lots of different things in life. He/She always looks for new things to try. ³	Schwartz 2003
7	It is important to him/her to adapt to nature and to fit into it. He/She believes that people should not change nature. ³	Schwartz 2003
8	He/She strongly believes that people should care for nature. Looking after the environment is important to him/her. ³	Schwartz 2003
9	It's very important to him/her to help the people around him/her. He/She wants to care for other people. ³	Schwartz et al. 2001
10	He/She believes all the worlds' people should live in harmony. Promoting peace among all groups in the world is important to him/her. ³	Schwartz 2003
11	It's society's responsibility to make sure everyone's basic needs are met. ¹	Kahan 2012
12	Our society would be better off if the distribution of wealth was more equal. ¹	Kahan 2012
13	People who are successful in business have the right to enjoy their wealth as they see fit. ¹ (reversed)	Kahan 2012

14	The central government interferes far too much in our everyday lives. ¹	Kahan 2012
15	Natural hazards harming people are included in god's will. ¹	Own considerations
16	I don't worry about politics because I can't influence things very much. ¹	Oltedal et al. 2004
	Notes: ¹ measured on a 5-point Likert scale with 1 = totally disagree, 5 = totally agree ² measured on a 5-point Likert scale with 1 = not at all my personal obligation, 5 = completely my personal obligation ³ measured on a 5-point Likert scale with 1 = not at all like me, 5 = totally like me	
C	Questions regarding sociodemographic and socioeconomic factors	Type of answer
1	Age: How old are you?	Open
2	Gender: What is your gender?	male, female
3	Education: What is your highest level of education?	illiterate, primary level, under school leaving certificate (slc), slc, university degree
4	Migration status: Have you migrated to this VDC?	yes, migrated; no, not migrated
5	Ethnic group: To which ethnic group do you consider yourself belonging to?	open
6	Household income: What was your total annual household income in average last year?	open
7	Household size: How many people are in your household, including you?	open
8	Membership in formal and informal group (e.g. women's group, youth club): Of how many groups are you a member?	open
9	Lived/worked abroad: Have you lived in another country before? What did you do in this country?	yes, no Open
10	Receive remittances: Does your household receive remittances?	yes, no

11	Business Satisfaction: How satisfied are you with the financial situation of your business at the moment?	completely dissatisfied; somewhat dissatisfied; neutral; somewhat satisfied; completely satisfied
12	Number of rooms: What is the total number of beds and rooms this business has?	open
13	Number of guests How many guests did this business have in average last year?	annually in average open
14	Existence of other livelihood activities: Livestock Farming: How important are the following activities for the livelihood of your household?	scale from 1 to 5, where 1 is not important at all and 5 is very important
15	Existence of other livelihood activities: Agriculture: How important are the following activities for the livelihood of your household	scale from 1 to 5, where 1 is not important at all and 5 is very important
16	Existence of other livelihood activities: Pastures/woods: How important are the following activities for the livelihood of your household	scale from 1 to 5, where 1 is not important at all and 5 is very important
17	Existence of other livelihood activities: Land for renting: How important are the following activities for the livelihood of your household	scale from 1 to 5, where 1 is not important at all and 5 is very important
18	Previous disaster experience: Has this business been affected by natural hazards?	yes, no
19	Financial resources available in case of emergency: How would you rate your financial resources (e.g. savings) in case of an emergency to cover unexpected losses?	Very low; low; moderate; high; very high

TABLE S2 Lodge owners' sociodemographic and socioeconomic characteristics. (Income: 1 *lakh* = 100,000 Nepalese rupees)

Characteristics		Total	in %
Gender	Male	64	40.0 %
	Female	96	60.0 %
Education level	Illiterate	17	10.6 %
	Primary level	29	18.1 %
	Under SLC	33	20.6 %
	SLC	45	28.1 %
	Higher education (university)	35	21.9 %
Religion	Hindu	15	9.4 %
	Buddhist	144	90.0 %
Ethnic group	Gurung	58	36.3 %
	Thakali	80	50.0 %
	Other	22	13.8 %
Study village	Ghasa	10	6.3 %
	Kalopani	5	3.1 %
	Larjung	4	3 %
	Tukucho	10	6.3 %
	Marpha	22	13.8 %
	Jomsom	47	29.4 %
	Kagbeni	28	17.5 %
	Muktinath	30	18.8 %
	Lete	4	3 %
Age group	19-32	40	25.0 %
	34-39	36	22.5 %
	40-48	45	28.1 %
	49-72	39	24.4 %
Migration status	not migrated	130	81.3 %
	migrated	30	18.8 %
Household income	< 4 <i>lakh</i>	101	25.6 %
	5-10 <i>lakh</i>	119	30.1 %
	> 11 <i>lakh</i>	91	23.0 %

TABLE S3 PSP types and selected sociodemographic and socioeconomic variables.

		Self-reliant Overperformers (n=61)	Progressive Communitarians (n=57)	Disengaged Underperformers (n=38)
Business satisfaction	1 low	4.9%	38.6%	50.0%
	2 medium	57.4%	52.6%	44.7%
	3 high	37.7%	8.8%	5.3%
Financial resources available in case of emergency	very low and low	26.2%	68.4%	65.8%
	neutral and high	73.8%	31.6%	34.2%
Migration status	Not migrated	88.5%	86.0%	68.4%
	Migrated	11.5%	14.0%	31.6%
Group membership	no groups	14.8%	43.9%	31.6%
	member in 1 group	31.1%	43.9%	36.8%
	member in 2 groups	18.0%	10.5%	28.9%
	member in 3 or more groups	36.1%	1.8%	2.6%

TABLE S4 Kruskal-Wallis test for differences in median scores.

Values and worldviews	Median scores
openness to change value orientation	$\chi^2(2) = 27.461, p < .001$
biospheric-altruistic value orientation	$\chi^2(2) = 37.098, p < .001$
communitarian spirit	$\chi^2(2) = 44.768, p < .001$
fatalistic beliefs	$\chi^2(2) = 21.654, p < .001$
feeling of obligation to act/help	$\chi^2(2) = 90.701, p < .001$