

BUILD BACK SAFER? NOT ONLY A TECHNICAL MATTER.

INSIGHTS FROM OWNER-DRIVEN RECONSTRUCTION IN NEPAL

MARTINA MANNA



WHAT?

EXPLORE KEY FACTORS AFFECTING OWNER-DRIVEN POST-DISASTER RECONSTRUCTION

IN NEPAL

CONTRIBUTE TO A BETTER UNDERSTANDING OF HOW TO
OPERATIONALIZE THE CONCEPT
OF BUILD BACK SAFER

HYPOTHESIS

THE MALADAPTATION OF THE BUILT ENVIRONMENT IS DIRECTLY CORRELATED TO THE

PERCEPTION OF SAFETY AND INTERPRETATION OF RISK

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METHODOLOGY

FIELD RESEARCH

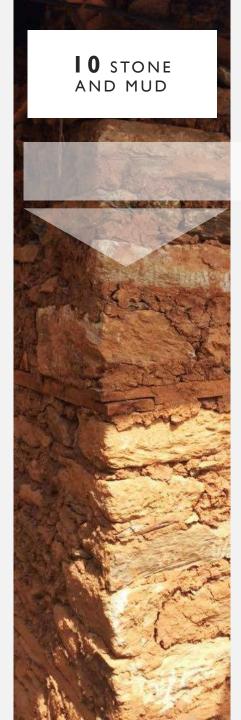
















CASE STUDY



NEPAL

WHERE?



NUWAKOT DISTRICT

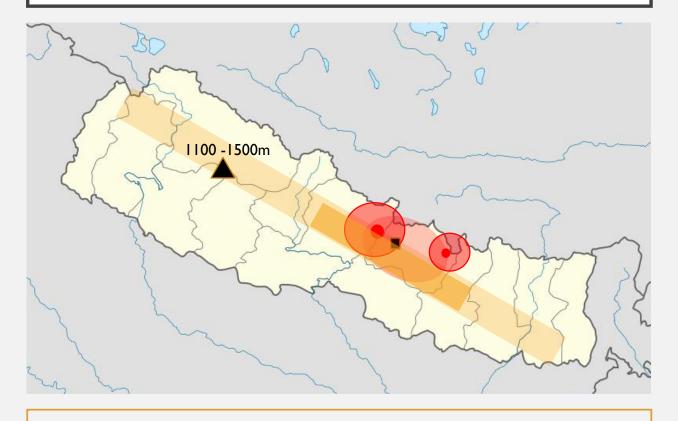
WHERE?



I OF THE 14 TARGETED DISTRICTS



WHY?



REPRESENTATIVE OF OTHER AREAS IN THE COUNTRY

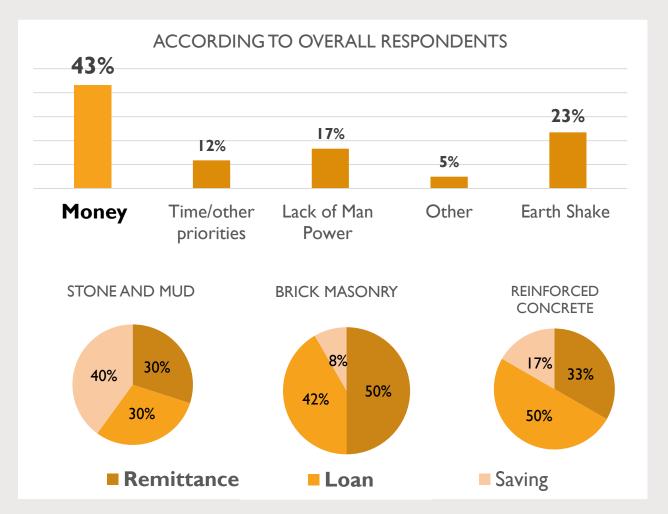
FINDINGS



2 YEARS AFTER 72% ARE STILL LIVING IN TEMPORARY HOUSES AND DAMAGED BUILDINGS

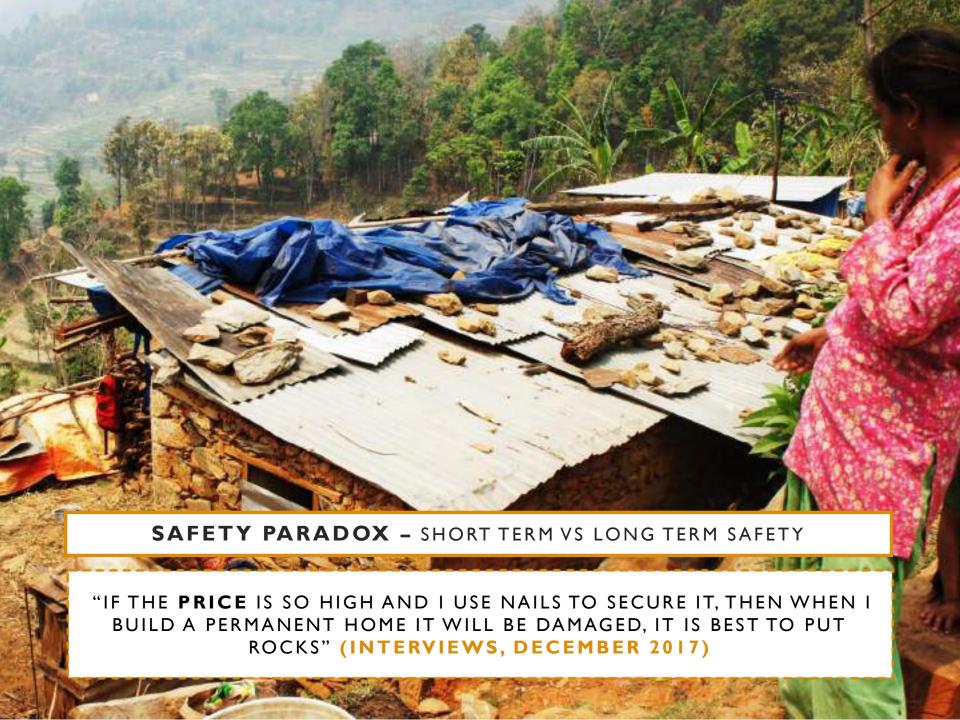
DELAYING RECONSTRUCTION FINANCIAL ISSUES AND PERCEPTIONS

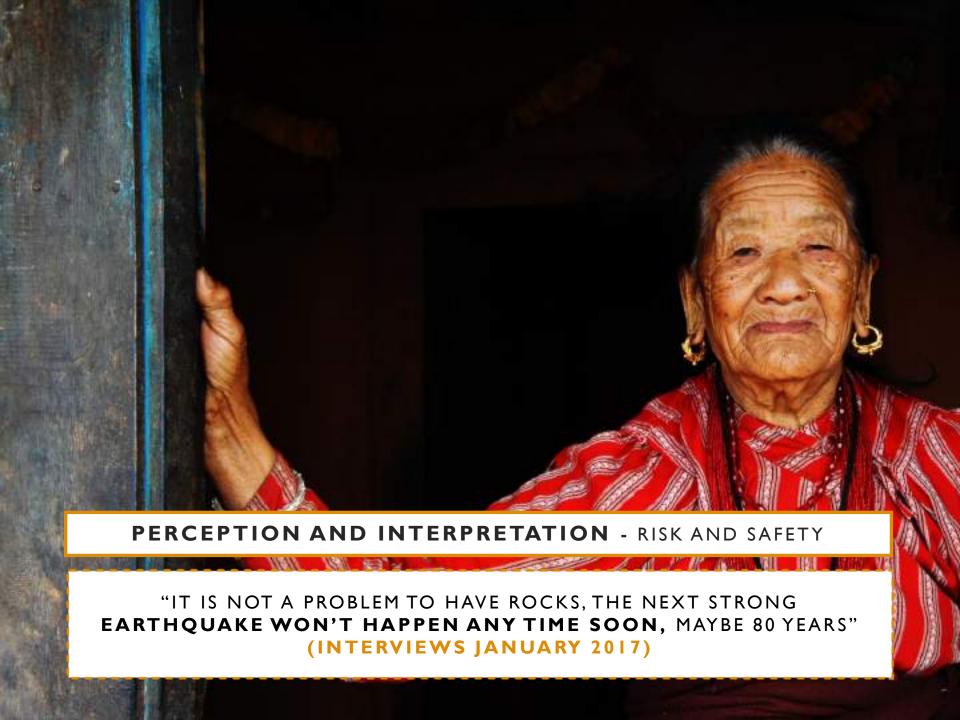
REASON



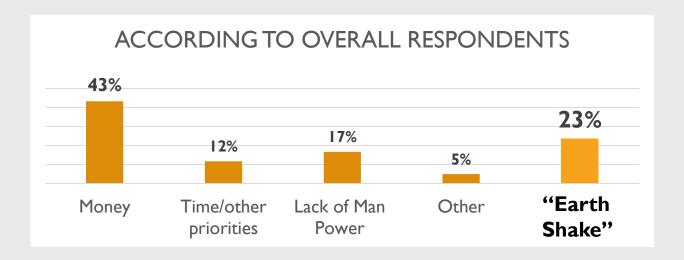
SOURCE

Graphs elaborated by the author





DELAYING RECONSTRUCTION FINANCIAL ISSUES AND PERCEPTIONS



"WHEN THE GROUND IS SETTLED WE WILL BUILD A PERMANENT HOME, NOW IT'S NOT WORTH IT" (INTERVIEWS, APRIL 2017)



INTERPRETATION OF EXISTING SPACE - KNOWLEDGE

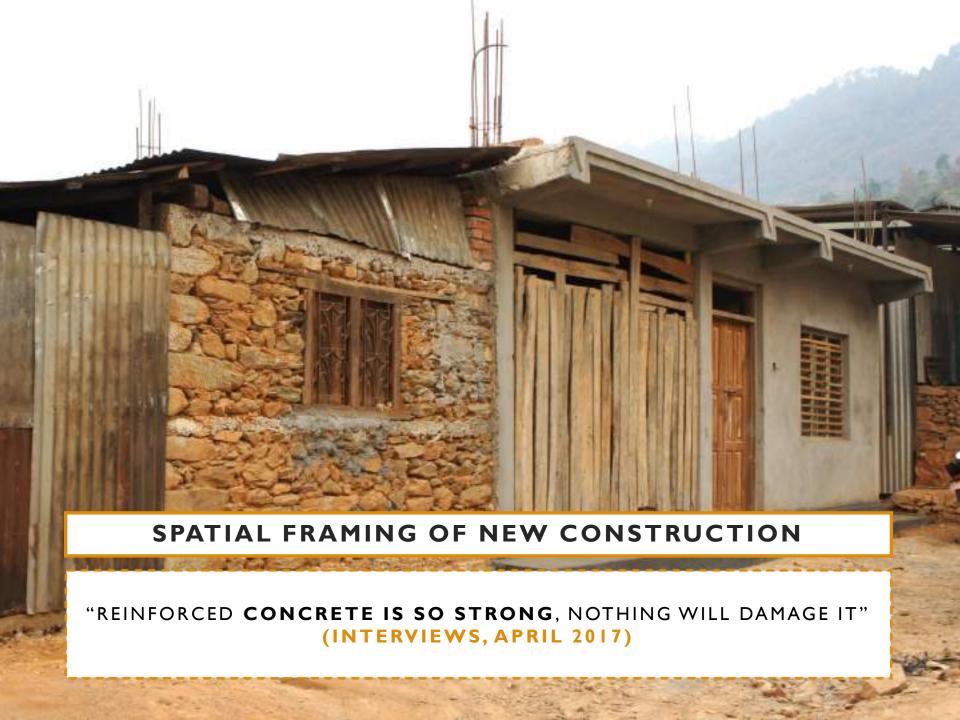
"I AM AFRAID OF GOING ON THE SECOND FLOOR, IT CAN FALL AT ANY TIME, I AM SAFE DOWN HERE" (INTERVIEWS, DECEMBER 2016)

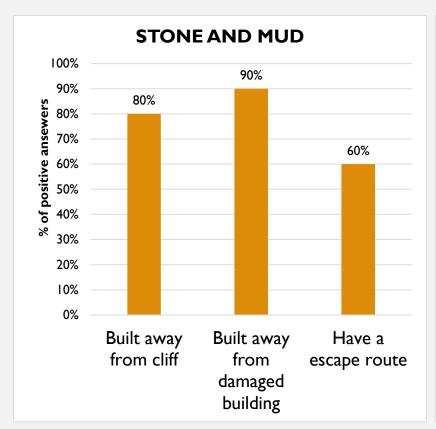


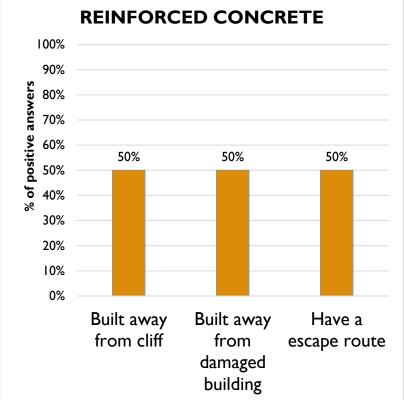
"THE HOUSE IS SAFE ENOUGH FOR COOKING AND STORING GRAINS, BUT NOT FOR SLEEPING" (INTERVIEWS, DECEMBER 2016)



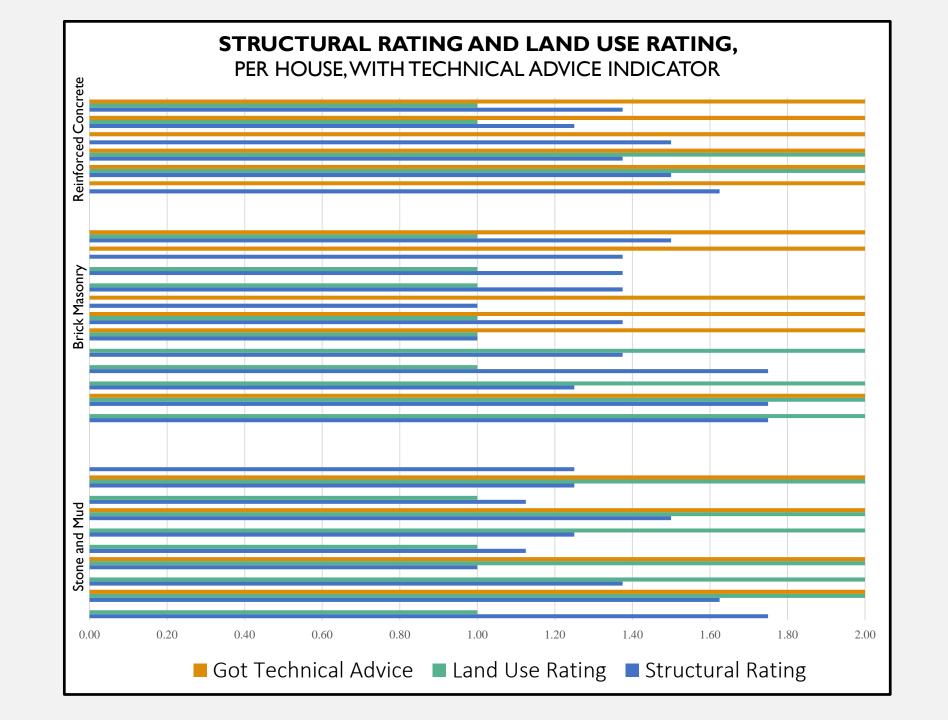


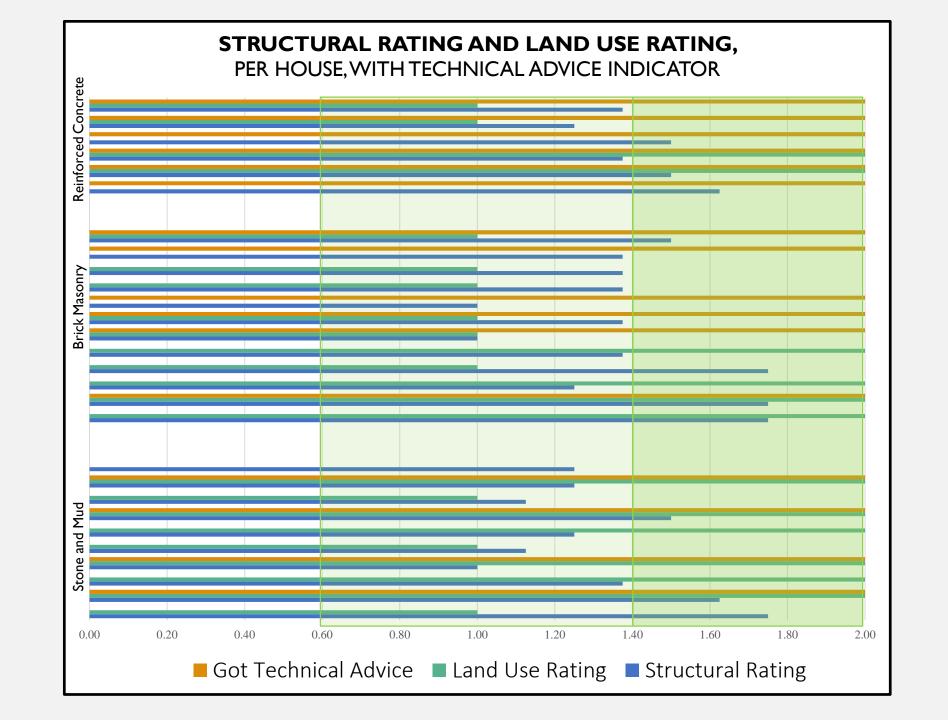




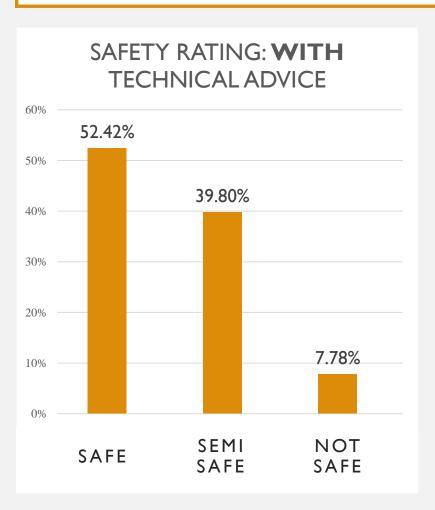


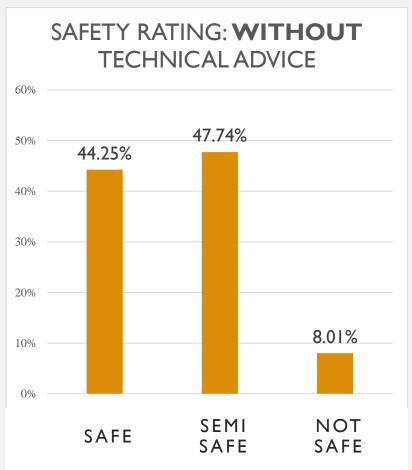
LAND-USE - RISK AND SAFETY INTERPRETATION





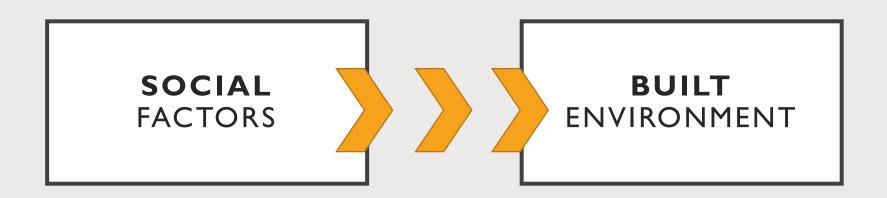
NO STRICT CORRELATION IS FOUND BETWEEN RECEIVING TECHNICAL ADVICE AND BUILD BACK SAFER







OWNER-DRIVEN RECONSTRUCTION



PERCEPTION OF HAZARD RISK

DECISION MAKING PROCESSES BASED ON PRIORITIZATION

FALSE BEHAVIOUR OF SAFETY

SOCIAL FACTORS



PERCEPTION OF HAZARD RISK

SAFETY

DECISION MAKING PROCESSES BASED ON PRIORITIZATION

TIME AND INVESTMENT

FALSE BEHAVIOUR OF SAFETY

LOSS OF FAITH IN
TRADITIONAL
MATERIAL

SOCIAL FACTORS

BUILT ENVIRONMENT



