Inherent
vulnerability
assessment of
rural
households
based on
socio-economic
indicators
using
categorical

RAJESH

S, 2018, ECOL analysis: a case

component

principal

INDIC

study of kimsar

uttarakhand

The recent trend of shifting focus from hazard centric d<mark>river</mark>s of <mark>vulnerability</mark> towards the social and economic drivers of the method of non-linear principal component analysis was used for computing a household level inherent <mark>vulnerability</mark> index. Results obtained revealed that principal components explaining a major variance in the data set were access to from multiple stressors including extreme precipitation, drought, l<mark>andslides, cloudburst</mark>s and flash floods. <mark>Vulnerability</mark> indicators with mixed scaling are used, to capture household's <mark>perception</mark> and other socio-<mark>economic</mark> attributes, which banas. A majority of households in talla banas, jogiyana and kasan were moderately vulnerable. Inherent <mark>vulnerability</mark> contribute towards its inherent <mark>vulnerability</mark>. Data was collected by conducting household <mark>survey</mark>s in nine villages of kimsar region. In order to process the indicators with mixed scaling, and obtain an empirical summary of the data set, <mark>vulnerability</mark> has led to a number of conceptual frameworks for social <mark>vulnerability</mark> assessment. Contributing towards mountainous communities in kimsar region, located in uttarakhand state, india. The communities in the region suffer resources, educational attainment and access to water. It was observed that the villages of dharkot, kandakhal and stressors. Higher <mark>vulnerability</mark> was observed in majority of households in the village kimsar, ramjeewala and malls bhumiyakisar have the highest percentage of households, which were relatively less vulnerable to environmental <mark>vulnerability,</mark> which is centered on hazard generic and livelihood oriented socioeconomic factors of <mark>vulnerability</mark>. employment opportunities, effectiveness of local government, access to food, occupational diversity, access to Inherent <mark>vulnerability</mark> is defined as the predisposition of a household to suffer harm. The study focuses on the this growing trend of social vulnerability assessment, this study proposes a framework to measure inherent <mark>assessment</mark> has the potential to predict the future harm a household might suffer due to hazard events.

Risk Assessment – including creating risk (or susceptibility) maps, risk analysis, and resilience assessments Vulnerability – Vulnerability assessments, creating vulnerability maps Risk Perception – e.g. interviews about individuals perspectives on flash flood risks, risk cognition, awareness. Assessment Definitions:

Flash Flood Type Definitions:

Not specified - flood type not definied or explicitly stated, unclear

Rainfall - runoff, cloudburst, pluvial, caused by heavy precipitation (no river involved)

Dam/levee breach - anything to do with dams or levees

Speedy river – river height changes rapidly, fast onset riverine flood Landslide/mudslide – explicitly mentions landslide/mudslide or debris in water

Snowmelt - caused by melting snow

General Planning — select if the paper is not explicitly related to a single event and is about preparing or planning for future even If the paper is about impacts in general, not related to a specific event, make sure 'general' is clicked before selecting the impact General Science — calect if paper is about crience based general planning — is devaloning geophysical rick mans

ou have reviewed -1 papers in this session 1 total, we have reviewed 727 of 727

