

Program Overview

9:30-10:00	Program Overview	~ Dr. D.J. Ghimire
10:00-10:10	Guest of Honor	~ Dr. Tek Bahadur Gurung
10:10-10:20	Guest of Honor	~ Dr. Yubak Dhoj GC
10:20-10:30	Keynote Address	~ Prof. Dr. Kailash Pyakuryal
10:30-11:00	Break and Tea/Coffee	
11:00-11:10	Labour Outmigration	~ Dr. Prem Bhandari
11:10-11:30	Expert Comments	~ Dr. Ganesh Gurung
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11:30-11:40	Agriculture Productivity	~ Dr. Humnath Bhandari
11:40-12:00	Expert Comments	~ Dr. Devendra Gaucha
12100 12110	Women in Agriculture	~ Ms. Nima Acharya
12:00-12:10		
12:10-12:30	Expert Comments	~ Dr. Bijaya Bajracharaya
12:30-12:50	Feedback & Discussion	~Dr. D.J. Ghimire
12:50-13:00	Closing Remarks	~Prof. Dr. D.R. Dangol
12.50-13.00	Closing itematiks	Tion Di. Di. Dangoi

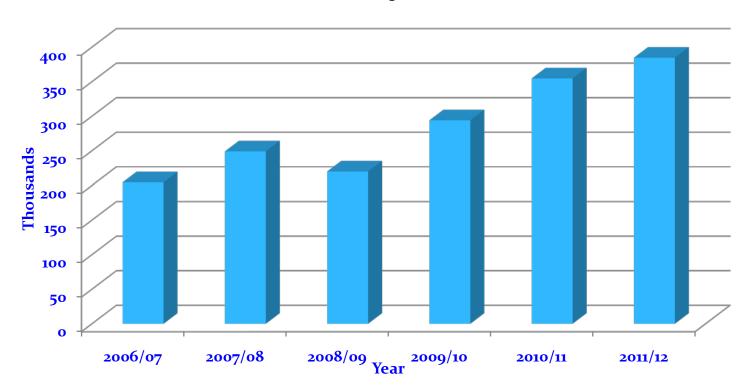
Goal

The goal of this workshop is to foster intellectual interaction among potential consumers of evidence generated through rigorous scientific investigation in building foundation for interdisciplinary research, education and public policy.



- More people are geographically mobile today than at any point in human history:
 - In 2013, 232 million international migrants.
 - Domestic migrants also constitute a significant proportion (in 2010, 11 percent of the total population moved internally).
 - South Asians among the largest group (36 million in 2013).

Number of Nepali International Labour Migrants by Year



...... youth leaving Nepal each day



- Departure of youths has several important consequences for
 - Individuals
 - Families
 - Communities

As a result?

Migration has received much attention both in academia and policy arena- perhaps, is one of the most studied subjects - both *substantively* and *methodological* perspective across many disciplines-sociology, demography, economics, environment, and political science.

Previous studies focused on the determinants of migration and impact of remittances.

Previous Studies

Advancing our understanding of:

- 1) predictors of migratory behaviors
- 2) economic consequences cash remittances
- 3) loss of Labour
- 4) health consequences (such as sexually transmitted diseases and HIV/Aids)
- 5) social consequences for left behind women (empower and burden) and children
- 6) lately on what is called "social remittance" (change in migrant's values, belief, and skills)

Previous Studies

Previous studies have developed several theoretical and conceptual frameworks (for example, *push-pull*, *New Economics of Labour Migration* etc.) to identify the determinants of migration as well as to explain the consequences for both sending and receiving countries, communities, households and individuals.

Previous Studies

Despite a vast majority of labour migrants are from rural agricultural settings, research on consequences of out-migration, particularly on agriculture, is skimpy.

To fill this important gap in the literature, we investigate:

This Study Focuses on

one specific, but the most crucial consequence of out-migration for agricultural society

This project investigates the consequences of Labour out-migration on agricultural productivity in Chitwan, Nepal—an agricultural setting.

Specific Aims

- Does Labour out-migration influence (i) agricultural productivity, (ii) women's participation in farming, and (iii) exit from farming?
- Do remittances influence (i) farm technology use, (ii) women's participation in farming, and (iii) exit from farming?
- Do farm technology use and exit from farming influence subsequent out-migration?

Common Methodological Challenges

Migration perhaps is one of the most difficult demographic behaviors to study.

Selectivity of Migrants

First, migrants typically do not represent a random sample of the overall population – disproportionately young, better educated, less risk-averse, more achievement oriented and to have better personal contacts.

Selectivity and attrition problem cause substantial validity problems for research.

Common Methodological Challenges

Second, migration is not a single event, but a process that occurs over time and can involve migration and permanent settlement, return to the origin community, multiple migrations and return cycles, or a series of moves to different places.

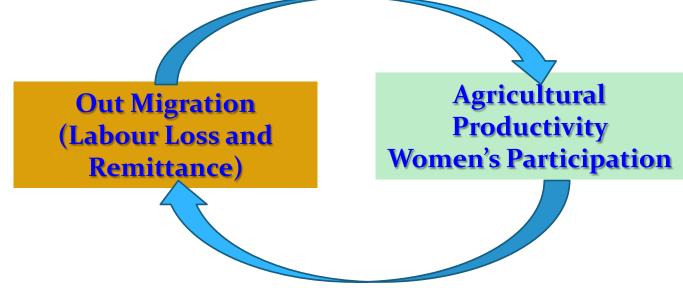
During this dynamic process of migration, individual experiences, behaviors, and intentions can change over time.

Common Methodological Challenges

Causality

Third, migration decision is both influenced by and influences to several other factors, posing potential reciprocal causality.

For example, in our case



Approach

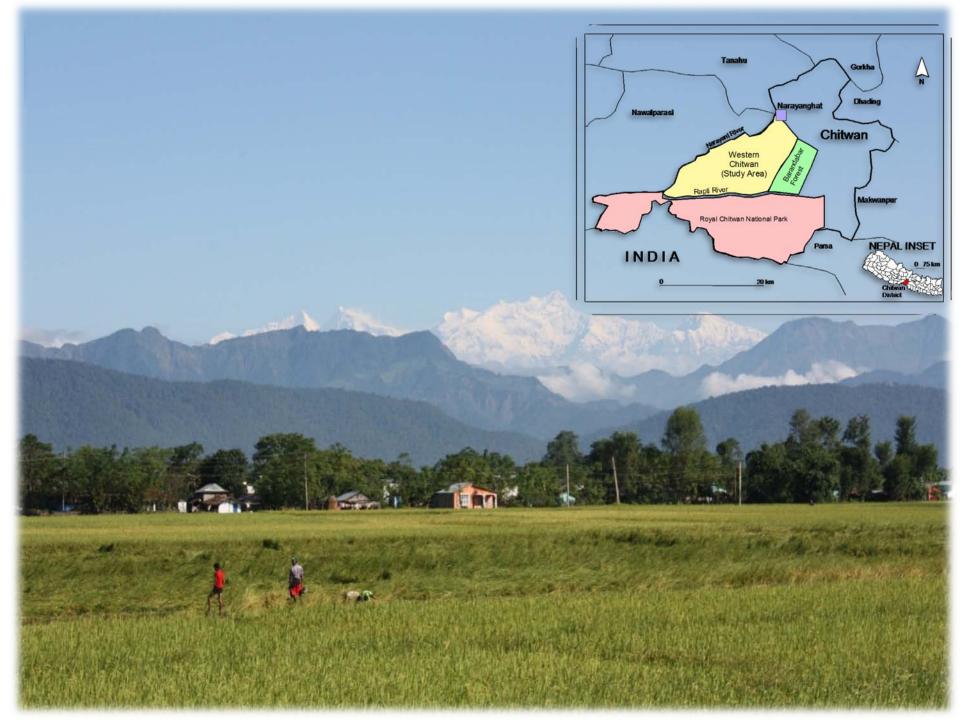
Experiment: Randomized Control Trial approach- not feasible.

Leveraging a 18-year panel data: CVFS

Instrumental variable.

Prospective panel design.

Household level fixed effect.



Study Setting

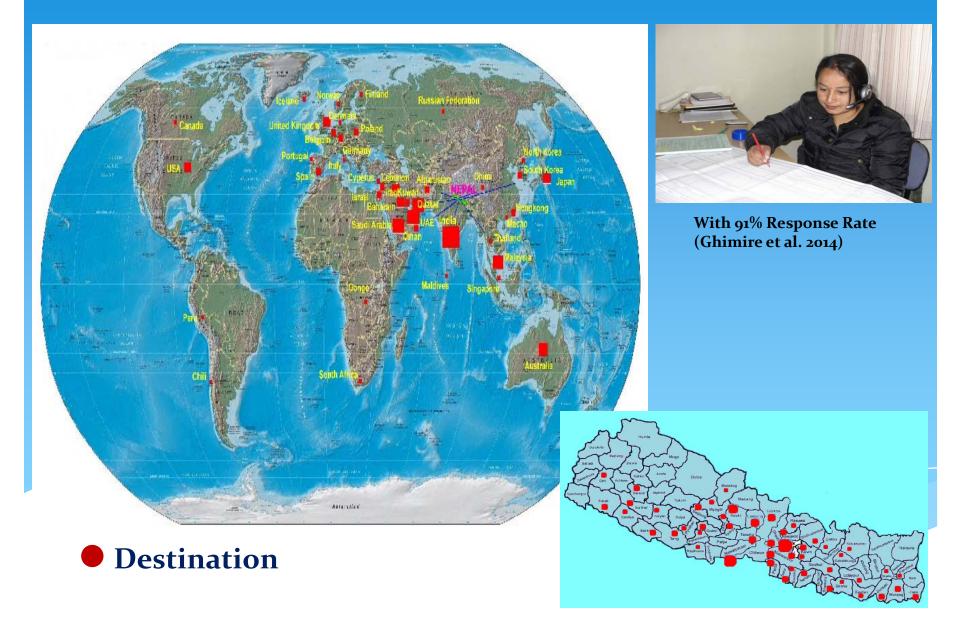
Chitwan Valley Family Study Nepal

- A 18-year multi-level panel study [Chitwan Valley Family Study (CVFS)]
- Of communities, households, and individuals

Study Area: The Chitwan Valley

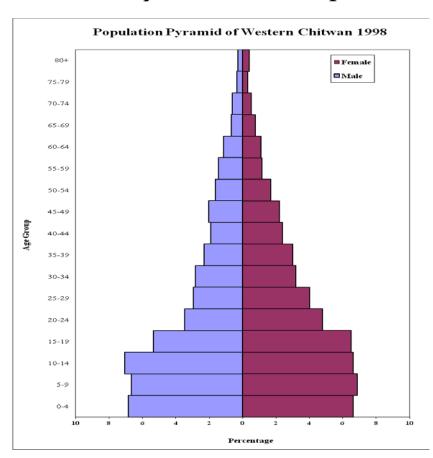


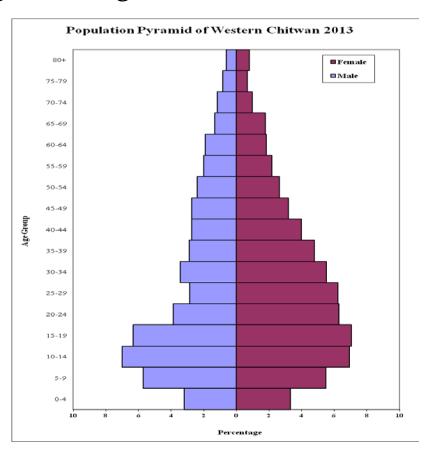
Tracking Migrants around the Globe

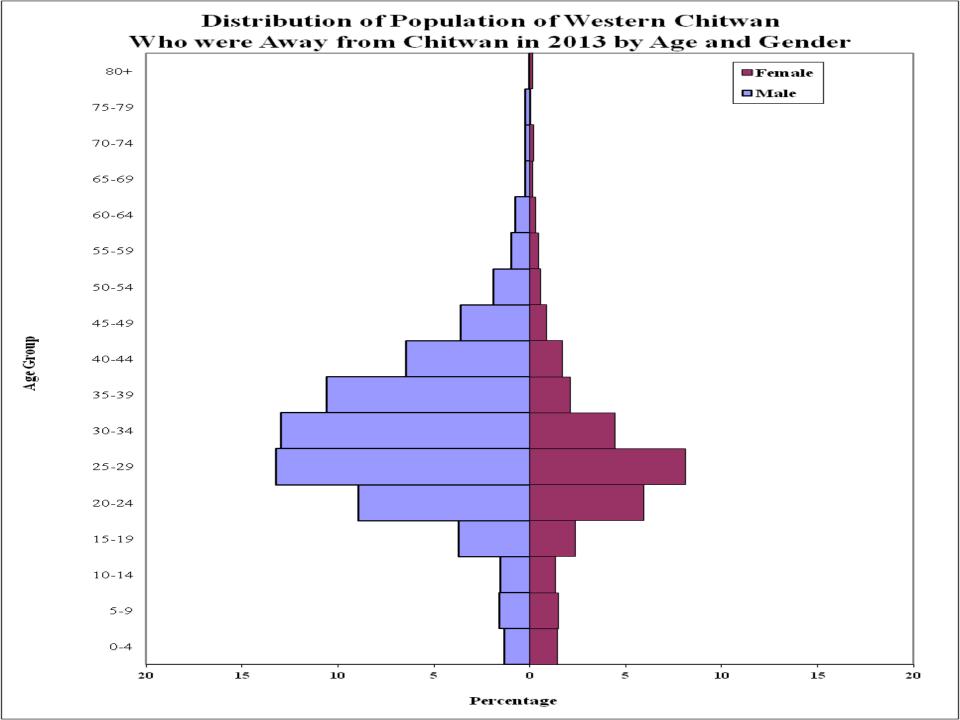


Study Setting

▶ Currently, the area is experiencing high out-migration



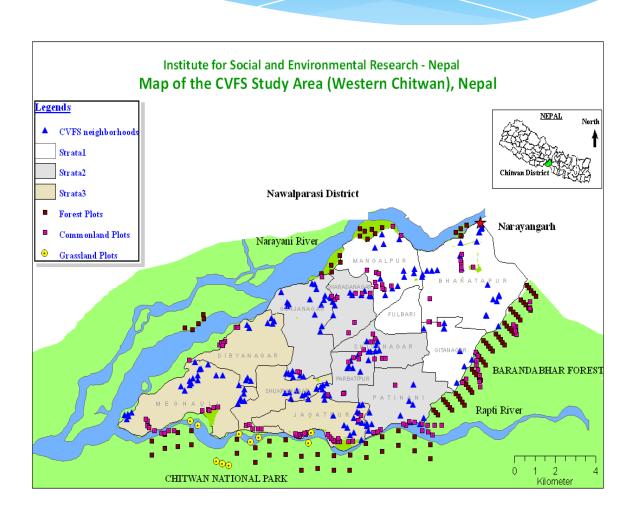




Sample

Sample

- •151 Neighborhoods
- •Over 2,700 Households
- •Over 15,000 Individuals
- •265 Flora Plots



Research Design

Multilevel

Longitudinal Panel

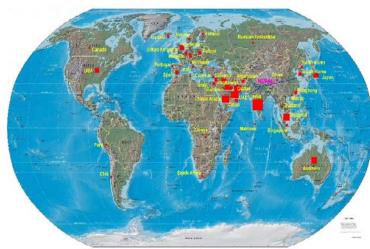
Mixed Method Data Collection

Multi Mode Data Collection

Study Setting







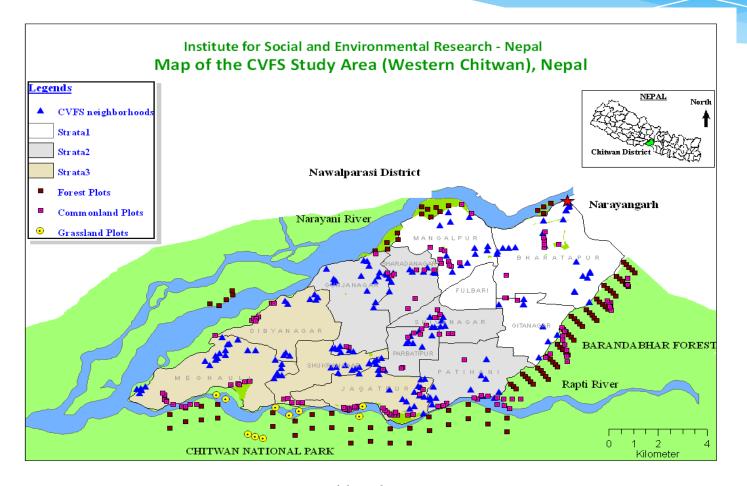
41 countries



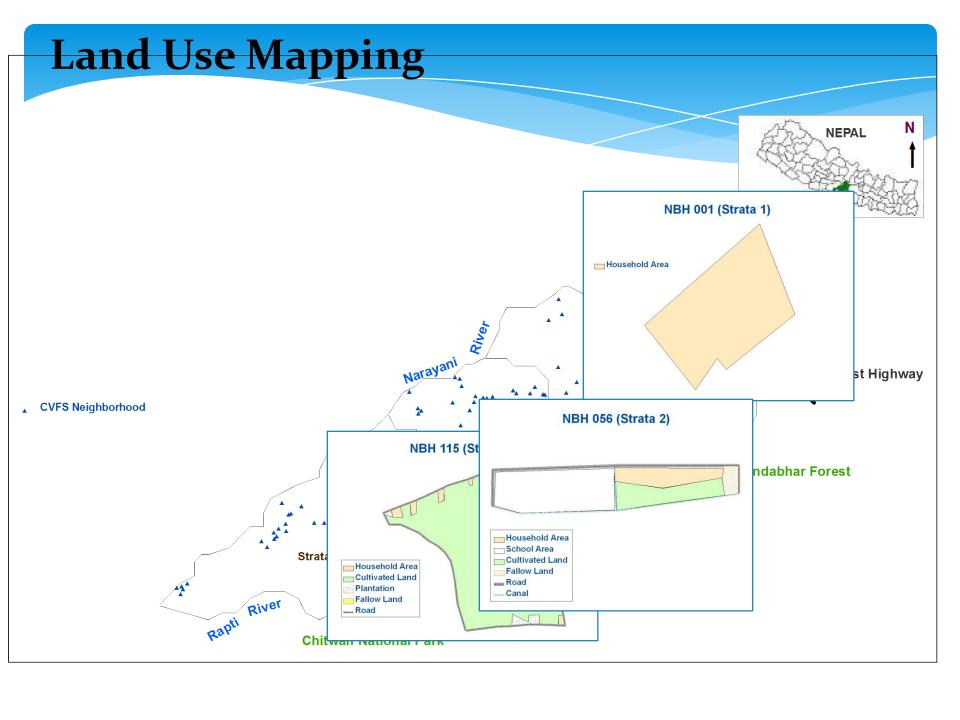
Migrants from Western Chitwan

Destination

Research Design



Case Controlled Comparison



a case controlled, multilevel, panel study of community, household and individuals

Retrospective

MEASUREMENT APPROACH

Prospective

COMMUNITY

Neighborhood History 1950-1995

Institutional History School, Health 1954-1995

Household Survey

Household Relationship

NDIVIDUAL LEVEL

HOUSEHOLD

LEVEL

Life History Calendar Birth-1996

Migration Survey

Neighborhood History Calendar 1996, 2006, 2014

Institutional History Calendar 1996, 2006, 2014

Neighborhood Land Use Maping 1996, 2000, 2006

Botanical Survey 1996, 2000, 2006; **Community Forest User Group Survey 2008**

> **Household Economy Survey** 1996, 2001, 2006, 2014

Household Relationship 1996, 2002, 2008, 2014

Individual Interview with Life History Calendar 1996, 2008

Migration Survey (International and Domestic) 2009, 2012

Demographic Events Registration 1997.....

Our Plan

YEAR I YEAR III YEAR III

Stakeholders' Participation
Planning Policy Formulation

Household Economic & Agriculture Baseline Seasonal Agriculture Survey

Crop Yield Measurement

Women Time Use Survey

Population Event Registration

Capacity Building

Key Collaborating Institutions

Institute for Social and Environmental Research Nepal (ISER-N)

Agriculture and Forestry University (AFU), Nepal

Nepal Agriculture Research Council (NARC), Nepal

University of Michigan (UOM), USA

PI and Investigators

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