



International Center for Tropical Agriculture
Since 1967 / *Science to cultivate change*

Cassava Seed System surveys Vietnam and Cambodia

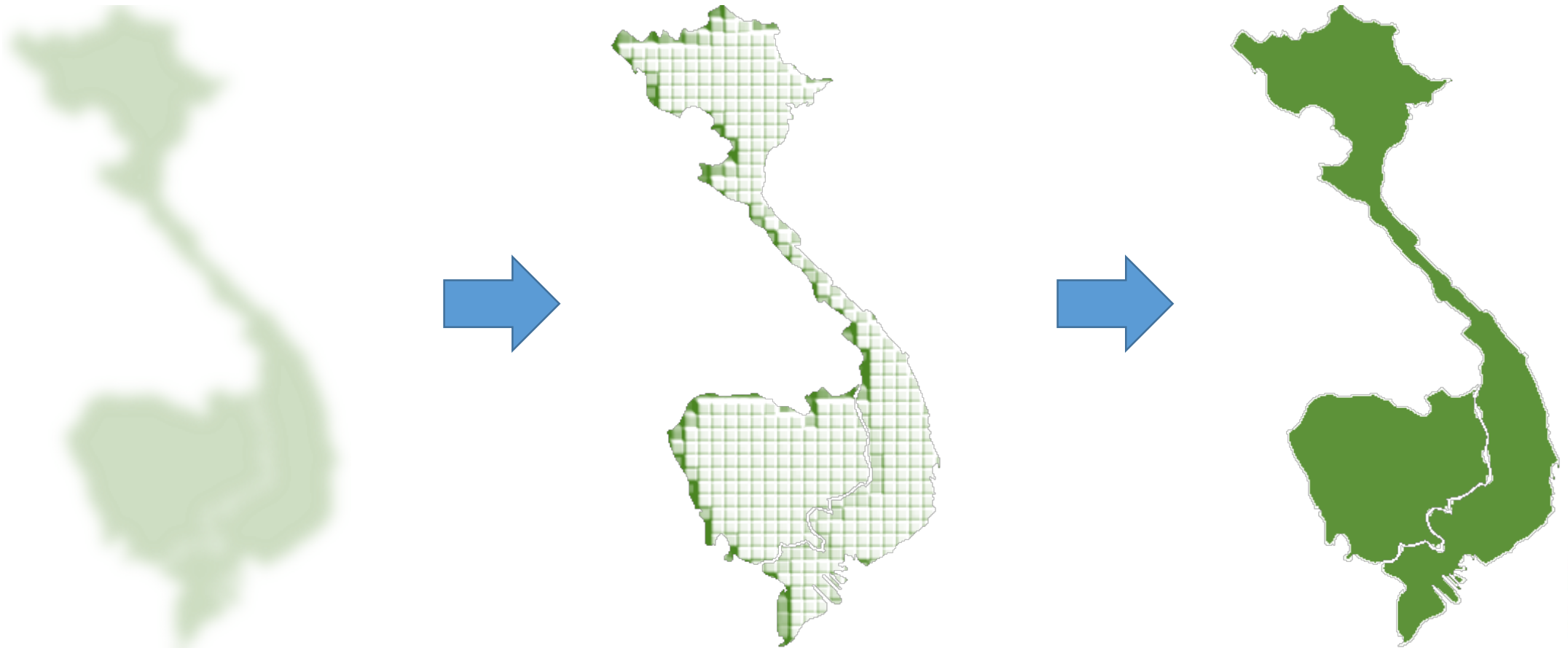
Sampling strategy

6th of September, 2016
Phnom Penh, Cambodia

Erik Delaquis
CIAT-Asia



Gaining clarity on seed movement:
a priority for healthy regional cassava economies

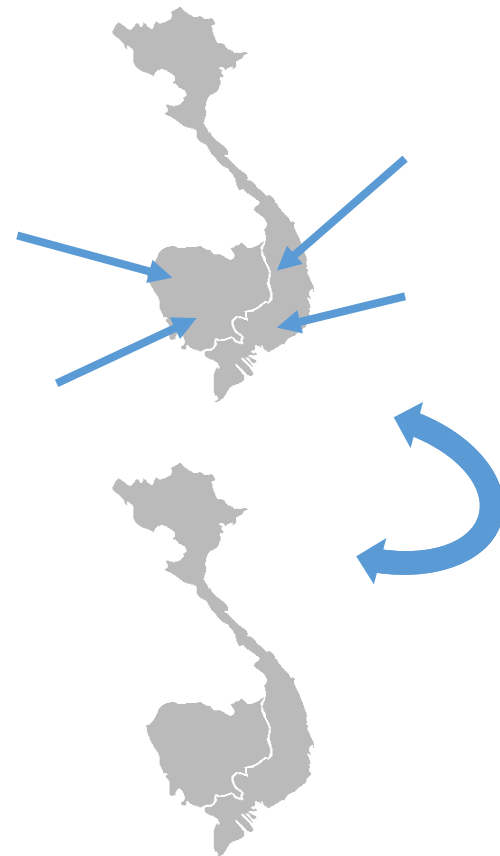
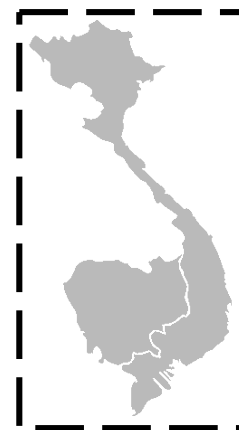


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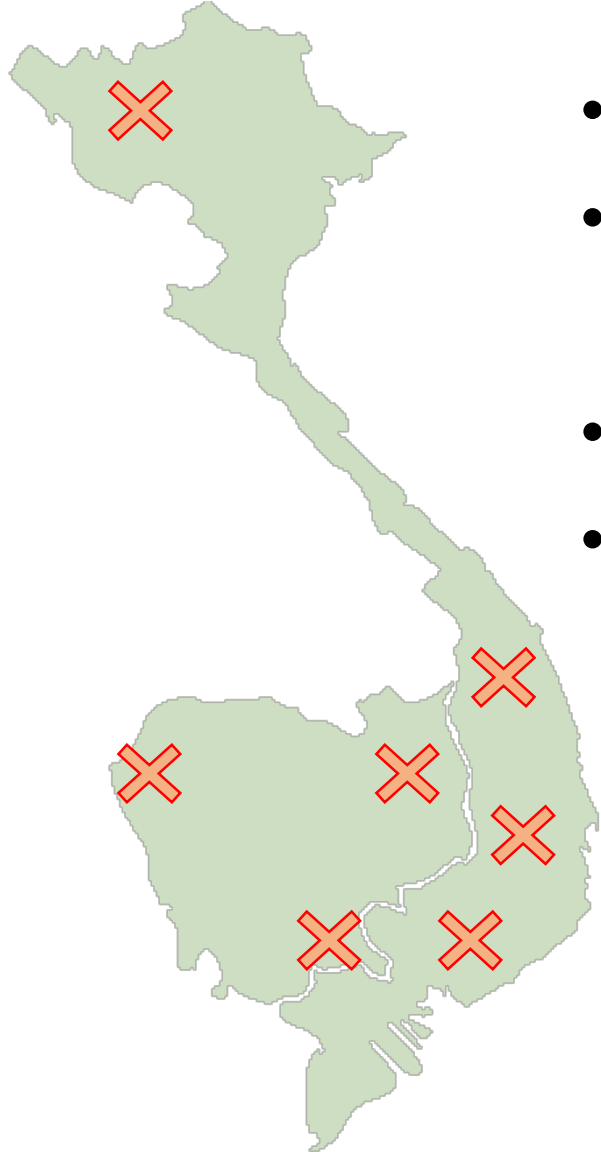
1. Individual survey

2. Zoom-in Surveys

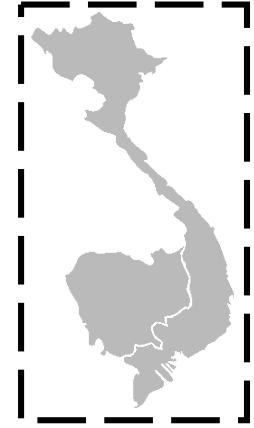
3. Trader survey



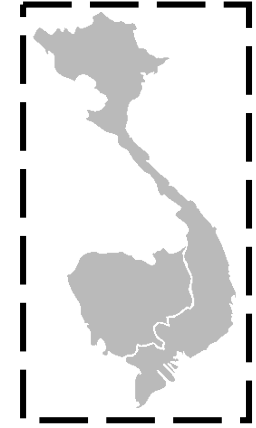
1. Individual Survey



- A 'first look'
- **Paired with virus & whitefly sampling**
- ~15 key questions, 40 minutes
- Evaluation of 'universal' seed systems questions
 - Types of seed sources & sinks
 - Frequency & volumes of seed trading
 - Quality – including diseases and pests
 - Accessibility of seeds

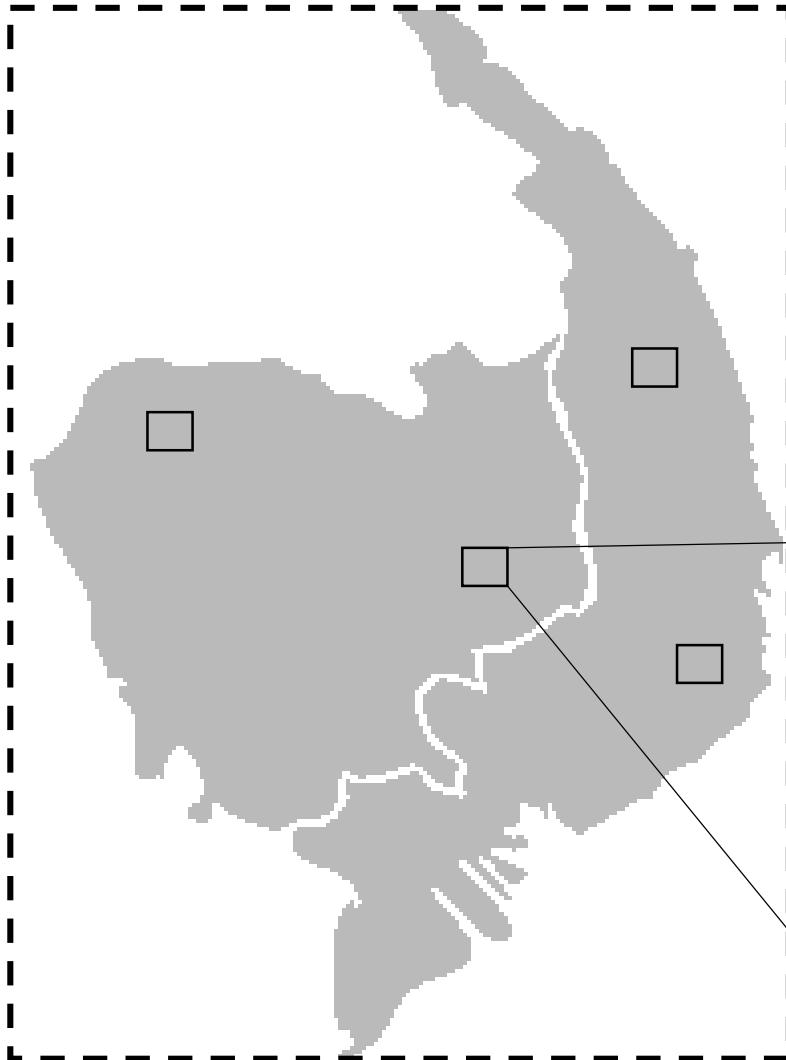
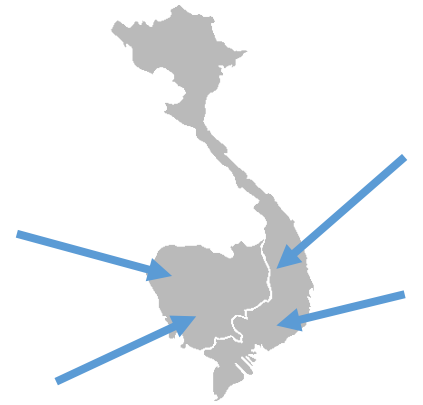


1. Individual Survey

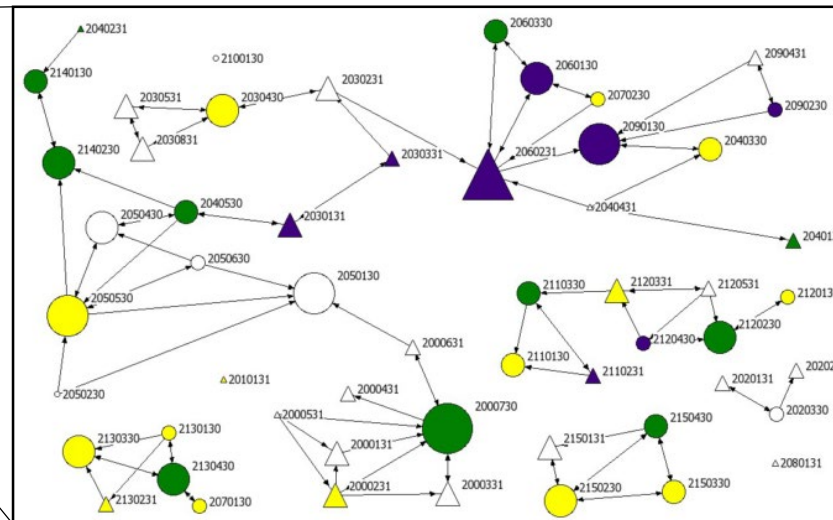


- Will provide grower data matching the leaf and whitefly samples
- To be implemented by 1 member of the sampling team while sample collection is being conducted
- Large trends and geographic seed flow information
- Feasibility?

2. Zoom-in Survey

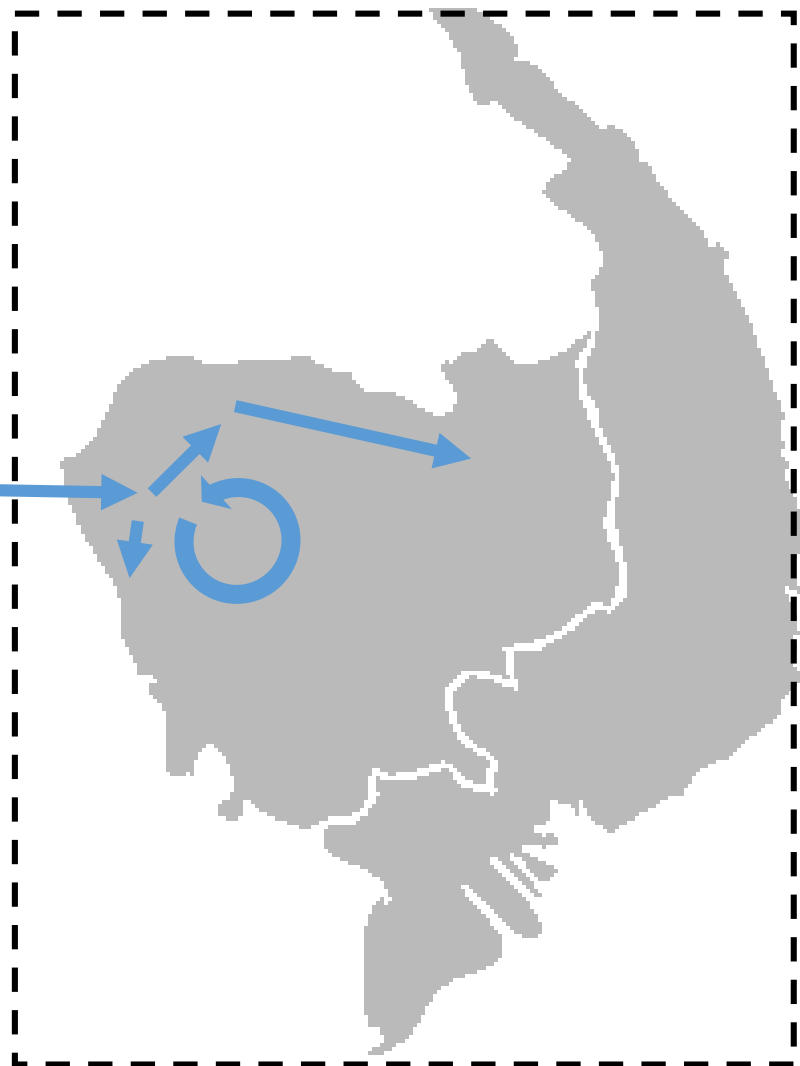


- Detailed surveys, to be done in small areas
- Goal: to gain a deeper understanding of seed networks within and among smaller areas
- **4 areas: 2 in each country**



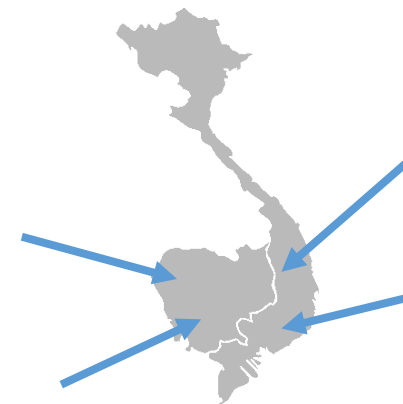
The 'small world'

- Combined with trader surveys
- A close look at farmer behavior and networks



2. Zoom-in Survey

- 6 categories, ~60 questions
 - Respondent Information
 - Household and Seed Use Overview
 - Availability / Supply
 - Quality
 - Affordability / Profitability
 - Information Sources
- Household characteristics, gender, experience
- Site comparison:
 - Established cassava area (longer history of cultivation)
 - Expansion area (short history, growing area)



Team of 2-3 interviewers
Target 80 hh per site

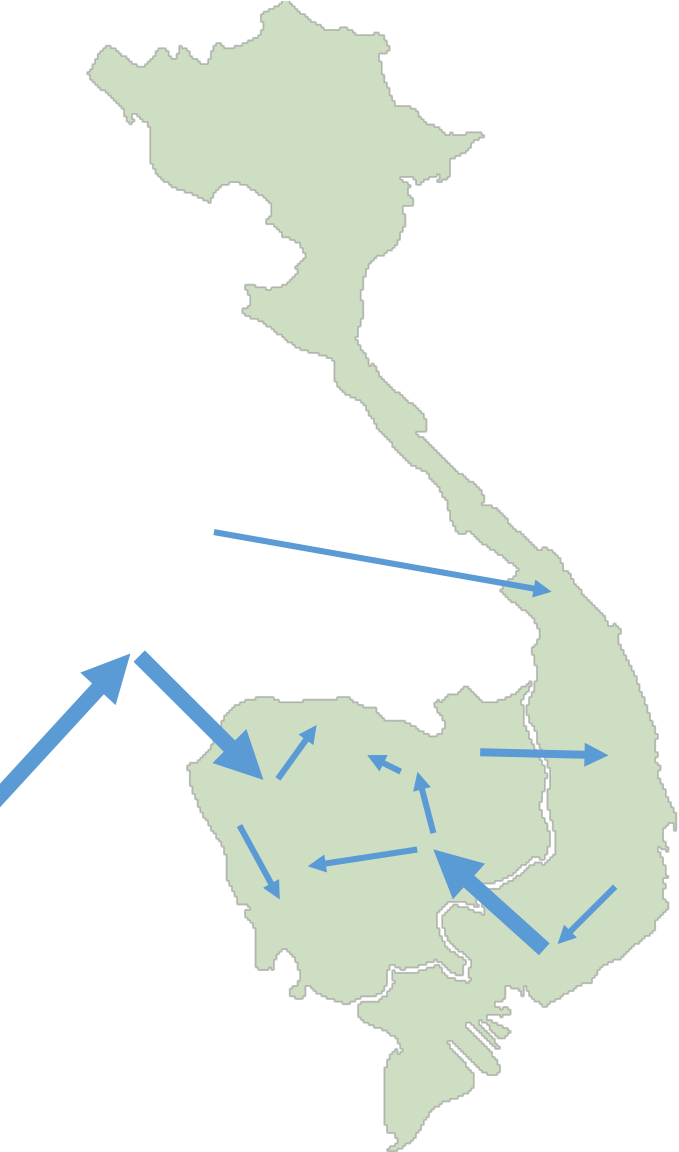
3.1 2016 Seed acquisitions. Please fill the table below. Use one row for each transaction (sourcing of stakes) you have used for this year's planting.



#	Source of stakes (See codes below; please list all that apply to you)	How acquired (See codes below)	Quantity		Quality of stakes	Use these again next season?	Where did it come from? (precise location)	Variety (name)
			(# of bundles)	# stakes /bundle	G=good A=average P=poor	Y= Yes N= No		
1								
2								
3								
4								
5								
Sources of seed: CODES 1) Friend / <u>neighbour</u> / relative within the community 2) Friend / relative from outside the community 3) Local rural market 4) Regional rural market 5) <u>Agroinput</u> dealer (also providing chemicals) 6) Cassava / starch factory 7) Collection point in the village 8) Community group 9) Trader (those with truck) 10) Government extension agency 11) Municipality, district office (government) 12) Government research organization 13) International NGO / development organization 14) National NGO / development organization 15) Other farmer I don't know personally 16) Others					How acquired: CODES A= save/own stocks B= exchange/barter C= gift (friend/neighbor/relatives) D= purchase/buy E= vouchers/coupons F= seed loan G= money credit H= other (specify)			

3. Trader survey

- Paired at same 4 sites with zoom-in surveys
- Designed to better understand the roles and characteristics of trader interactions with cassava growers
- Trader characteristics:
 - Size of trader (volume categories or # of farmers reached)
 - Sale area coverage (commune, district, province)
 - Clientele: individual farmers, community orgs, plantations

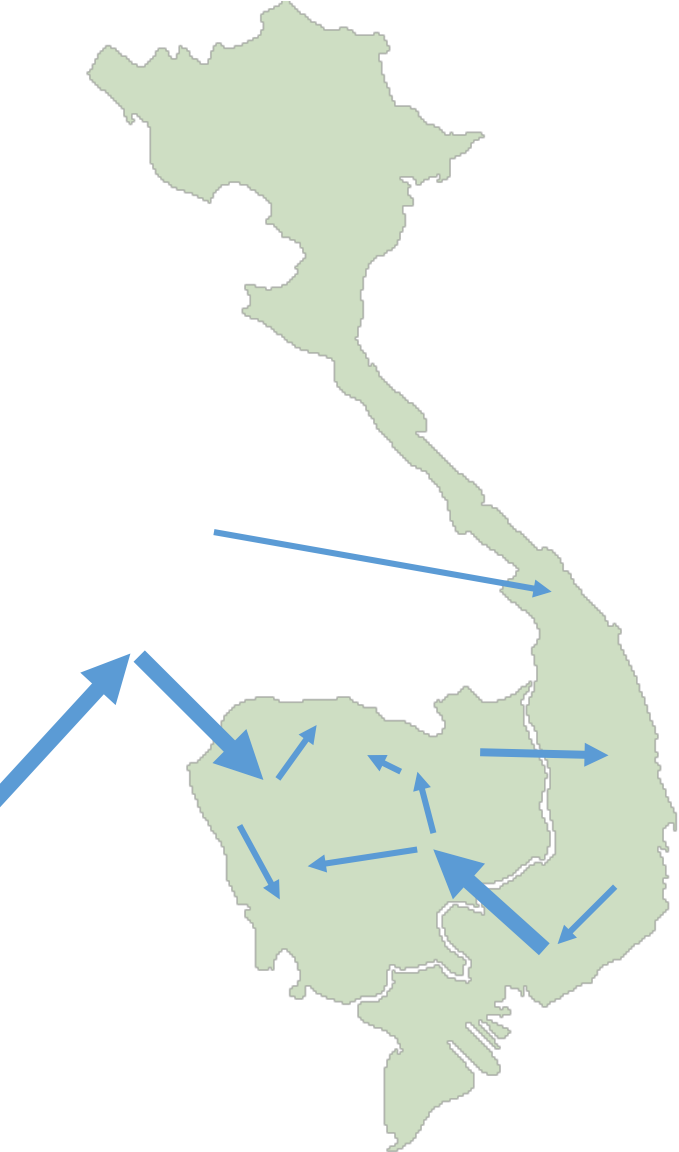


3. Trader survey

3.14 Do you have contact info of local traders we could communicate with?

Name	Location	Telephone #

- Participant selection:
 - Identify through individual survey responses
 - Survey team meet with/call a set number of traders per district



THANK YOU



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