



Food and Agriculture Organization of the United Nations

Animal Production and Health Division



The people within chains: enhancing animal disease control with value chains

a case study in the Greater Mekong Sub Region

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Interface

- Human health
- Animal health
- Eco-systems

- Disease emergence and prevention



Where does the interface happen?

Social stability

Use of drugs Practices

Nutrition

Socio-economics

Intensification

Income

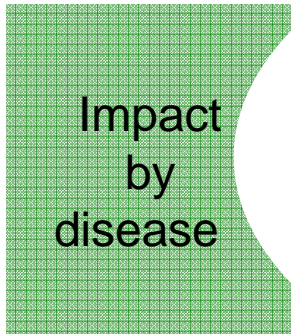
Livelihoods



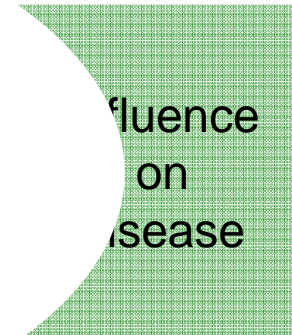
Reporting Deforestation
Globalization

Asset base

Production



ANIMAL HEALTH
CONTROL STRATEGY
within this context



Zoonosis

Disease burden
DALYs

Mixing of systems
Values Trade
Animal health policy

Food safety



Emergence and re-emergence

Environment

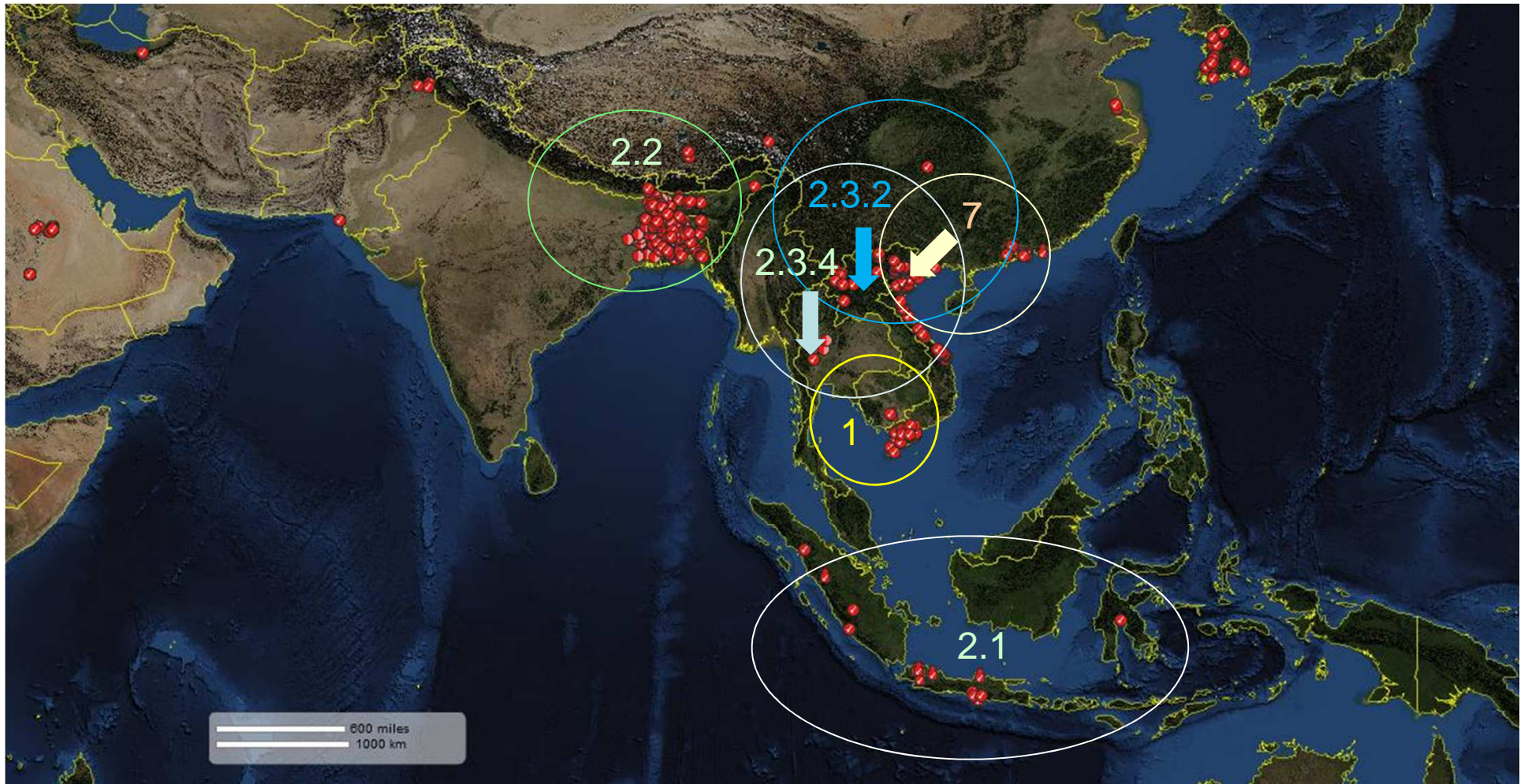


an entry point

- looking at meta level - value chains and risk analysis
- build up on individuals and on society
- why are they important?
 - they provide **work** and generate an **income**
 - we **eat** and **use** the livestock commodities supplied by the chains
- different demands by different groups
- fragile and resilient
- studies and workshops

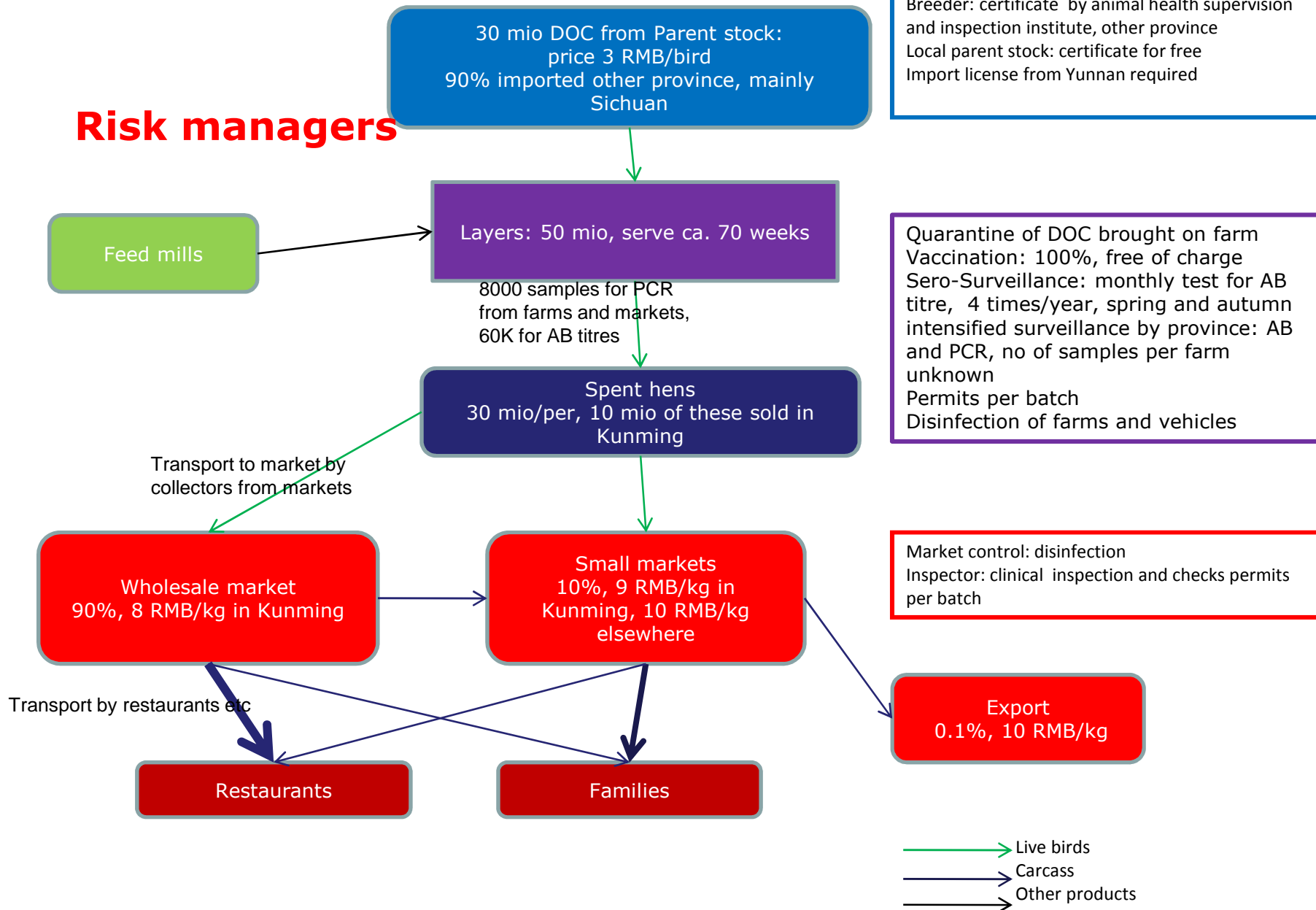


2008



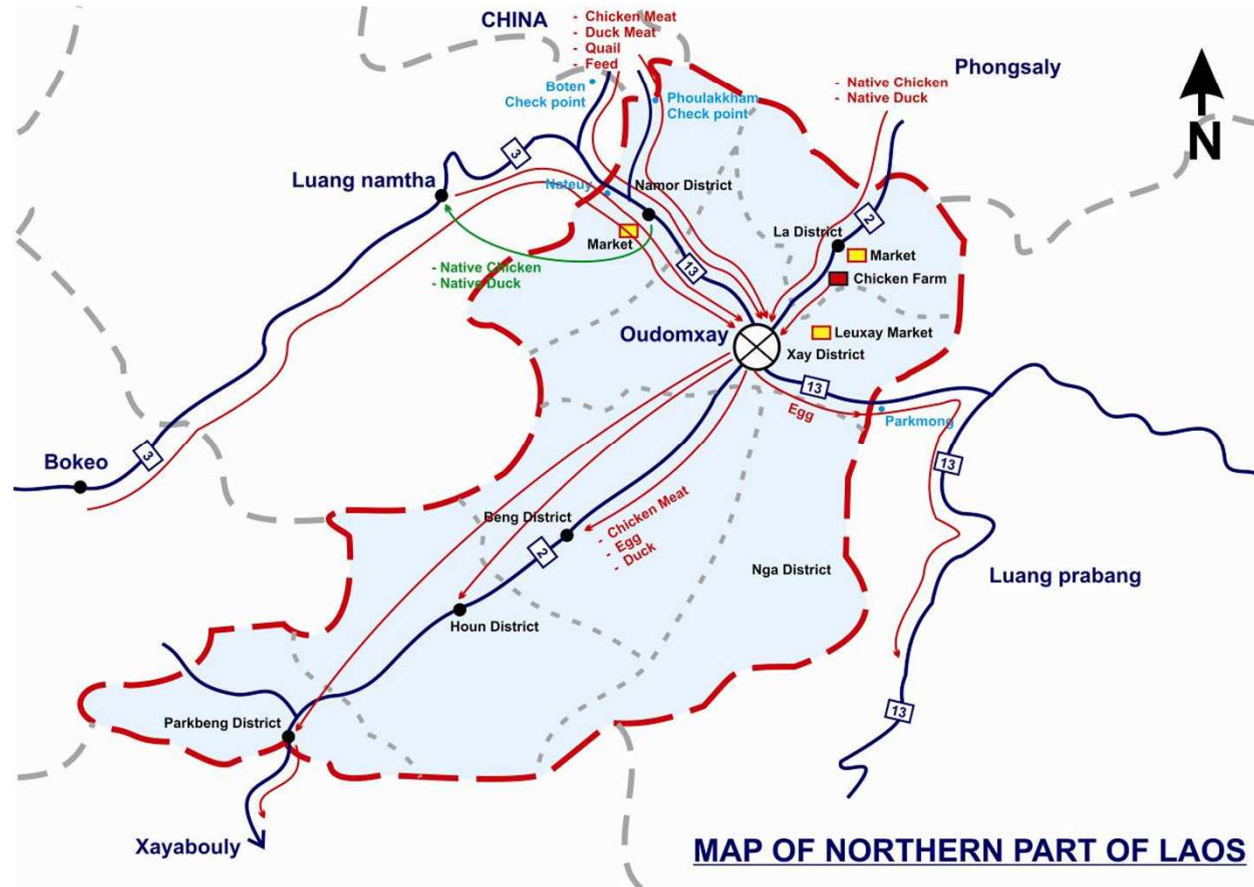
Value chain of spent hens in Yunnan Province

Risk managers





Trade flows in northern Laos



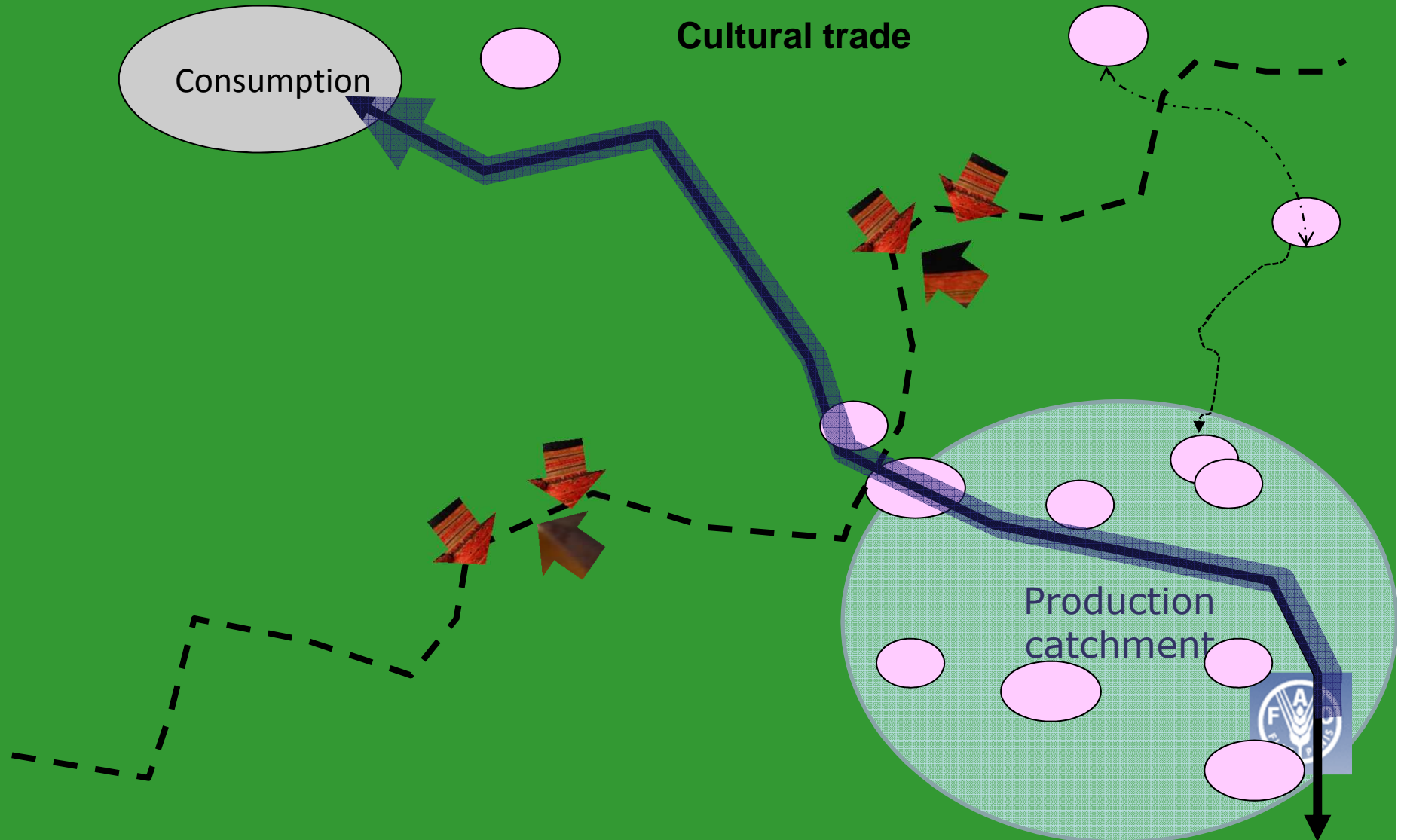
Border - IIU

Types of trade flow

Economic trade

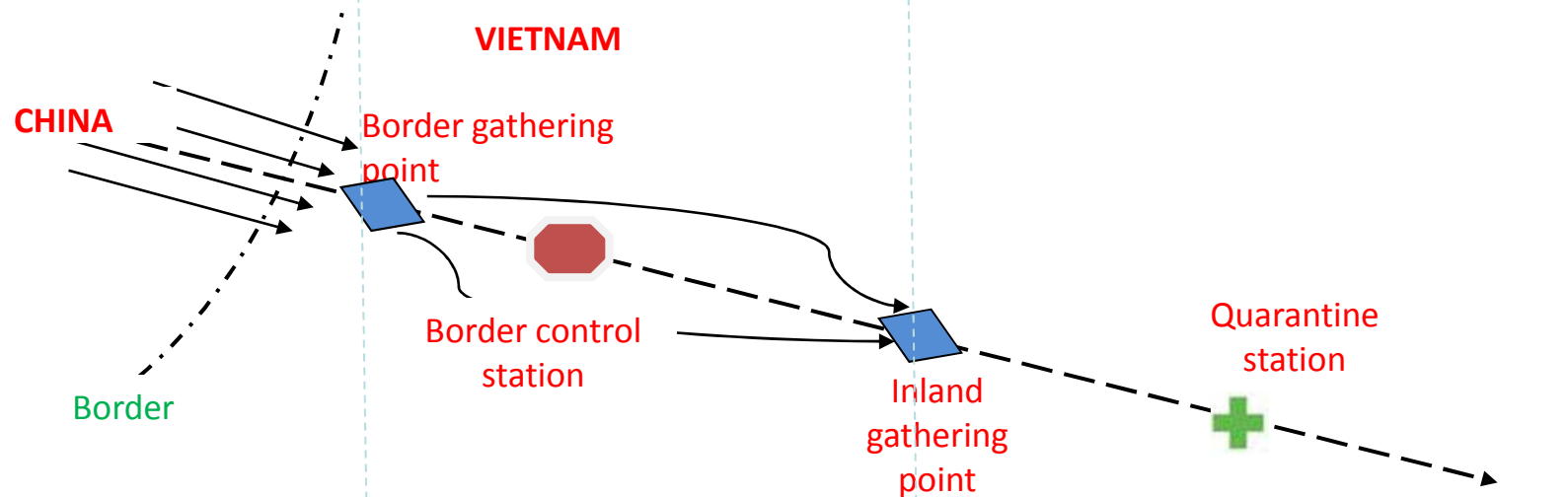
Local trade

Cultural trade





Vietnam: Cost of border wholesaler example in spent hens chain in Lan Son



- Porter : 5000 VND/hen
- Porter master: 2000 VND/hen
- Storehouse: 0.5-1 mio VND per month
- Bribes: n/a

Price: 15,000-17,000 VND/kg

- Motor bike transporter : 1100-1200 VND/hen
- Storehouse: 0.5-1 mio VND per month
- Chim lon: 120,000 VND per night
- Bribes: n/a

- Truck transporter:
- 1800 VND/kg to BG
- 2200 VND/kg to Hanoi (this includes bribes paid by transporter)

Price: 30,000-32,000 VND/kg (LS)

Outside province

TOTAL COST
+ 12,000-13,000 VND per hen or
+ 6,000-7,000 VND per kilo

Price: 40,000-4,2000 VND/kg (HN)

Risk profiles

Who are they?	What do they do?	Number of people	Power within the trade (N,L,M,H)	Importance of the trade to livelihoods (N,L,M,H)		Importance for potential intervention (N,L,M,H)	Possible means of contact or engagement
				% of income	Alternative options		
Chinese W/H	Organise pick up & transport of birds to border	probably few	High	Probably high	Probably high – though needs to be triangulated	High	- Layer industry in
			(Top or near top)				TBV/NTBV
Vietnamese border W/S	Owns & transports the birds over & from the border to the market.	probably few	Medium – high	Probably high	Medium to high	High	Rudec, Local officials
			(Variable power - dependant on contact between P W/S & C W/S)				
Provincial W/S	Requests the incoming birds & organises their distribution for retail etc.	probably few	Medium to high (variable power dependant on direct/indirect contact with C W/H)	Probably high	Medium to high	High	Rudec, Border W/H, transporters, market retailers.
Porter master	Organise the transfer of hens across the border.	probably few	Low	medium	High	Low	Border W/H
Walking porters	Carry birds across border	Many	Low (may have a little power/control as without them no birds can cross)	High	Unknown	Low, high potential impact on livelihood	Porter master
Motorbike porters	Transport birds between gathering points (walkers to trucks)	Many	Low	?	Unknown	Low	Porter Master, truck transporters, Border W/H
Barn Owl	Security look out.	? probably few	Low	medium	High	Low	Border W/H, porters
Truck transporters	Transport hens from gathering points to holding farms	Many	Low	high	medium to High	Low	Porter master, Provincial W/H



Risk managers and risk profiles

- Practical level
 - A framework for discussion
 - Tracing forward and backward
 - Relationships – to build
 - Information
- At each node decisions get made effecting animal health
- Risk managers
- Adding value to the chains



An opportunity: One Health

- How people make decisions related to these three themes
 - Understanding trade offs
 - Understanding lifeworlds
 - Understanding the social interface
 - Understanding the context of decisions
 - Understanding rural transformation
 - Understanding the political economy
- Empowering people to make their food systems healthy



One Health issues

Intensification



“Hot spots”

Urbanization



Food safety

people



Human needs and demands



THANK YOU

