



Building Bridges, Supporting Livelihoods



# Structure and Trends of India's Livestock Sector and Implications for FMD Control

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**Scientific Developments and Technical Challenges  
in the Progressive Control of FMD in South Asia  
New Delhi, 15 February 2012**

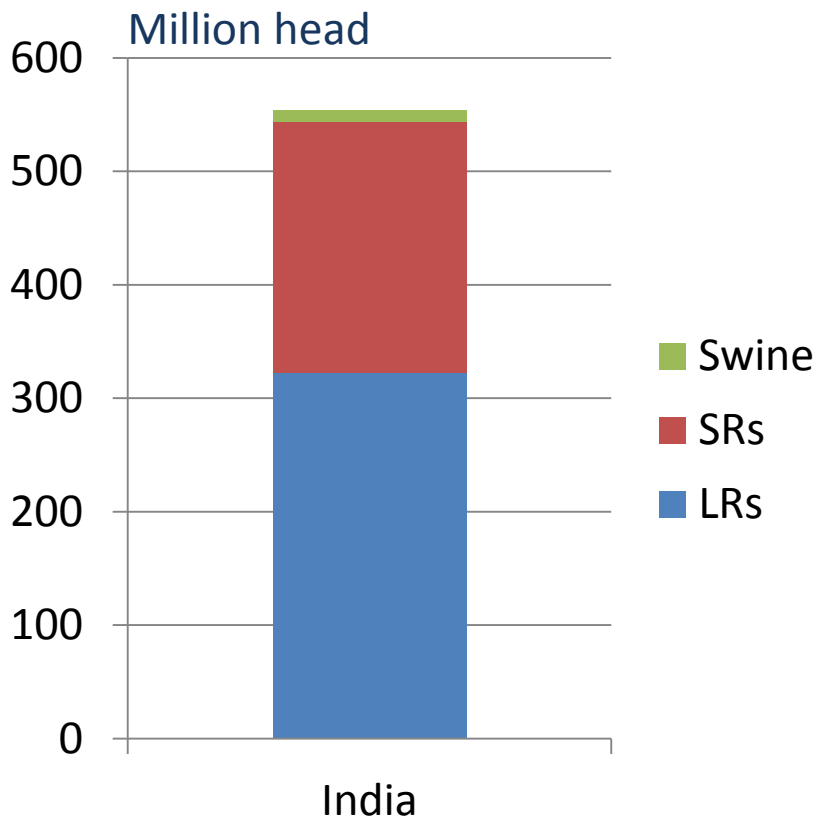
# Outline

- Snapshot of India's livestock sector
- Large ruminants
  - Dairy
  - Draught
- Small ruminants
- Summary & implications

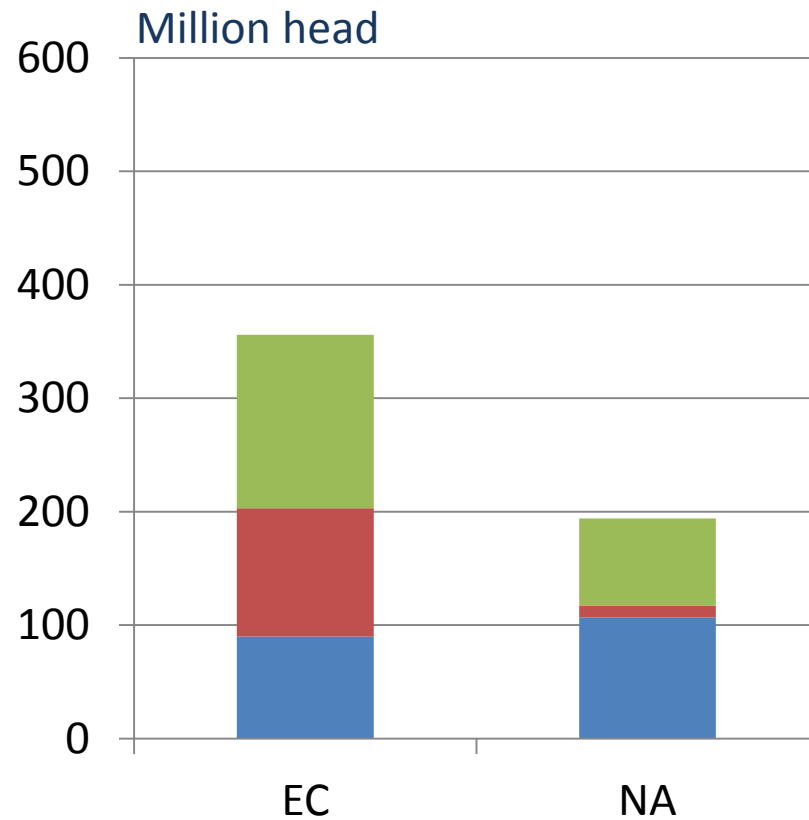


# Ruminants & Swine (2010)

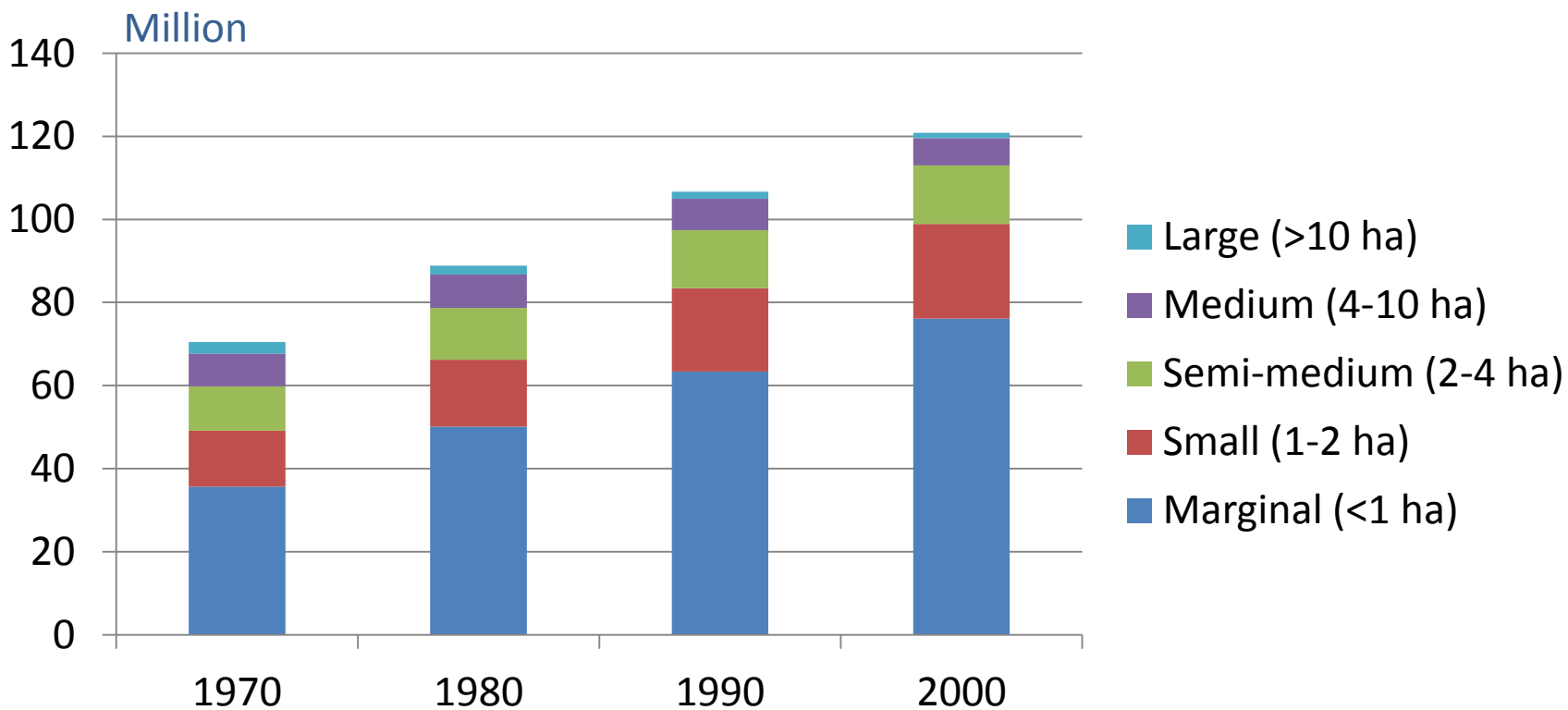
## India



## Selected Regions

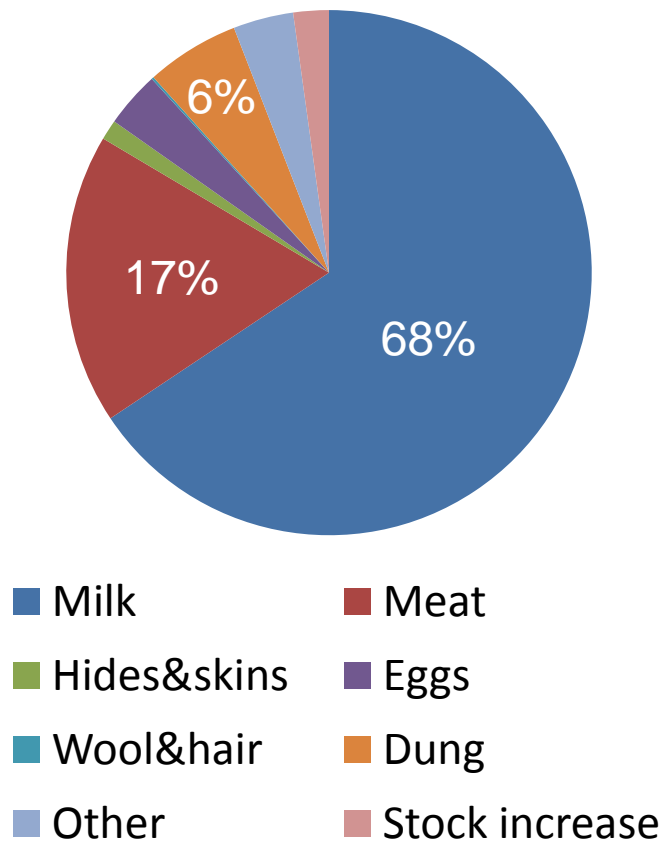


# Operational Holdings

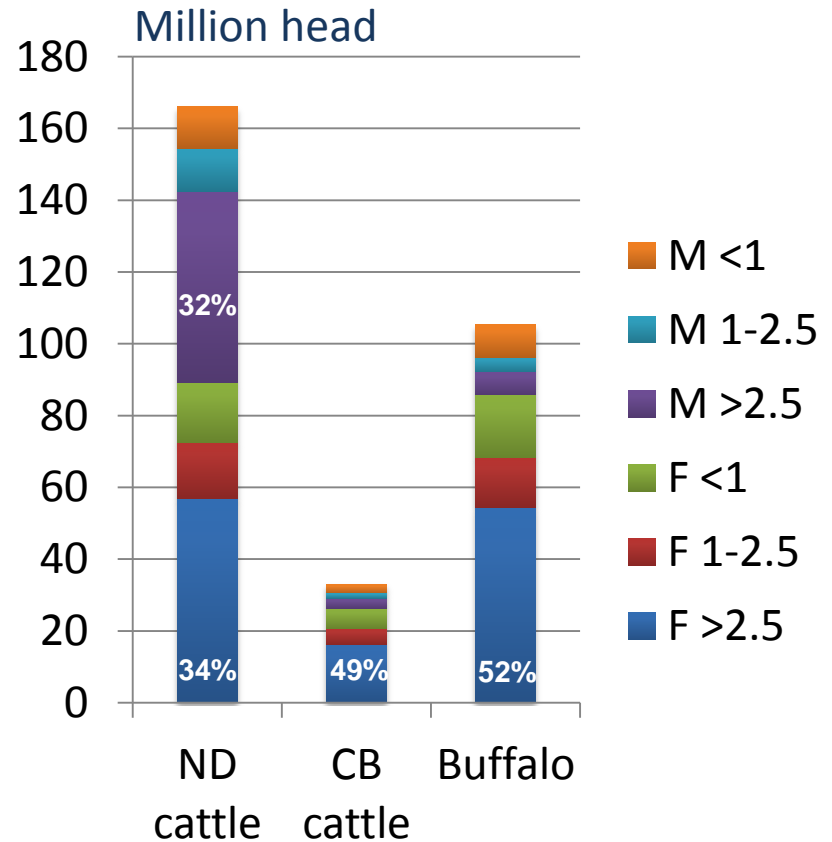
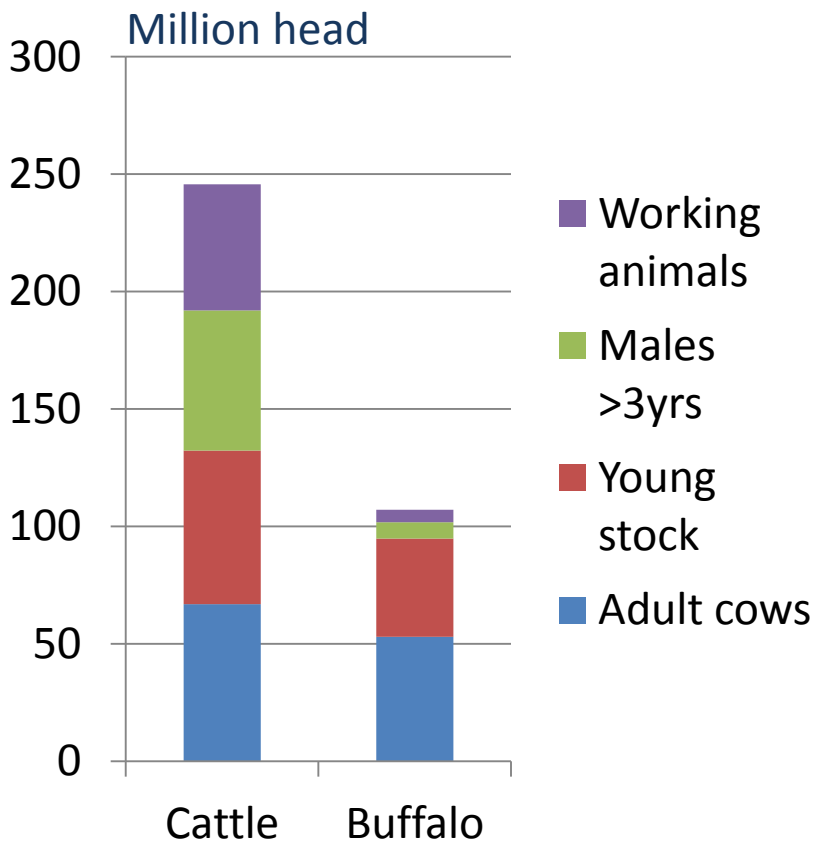


Source: Gol 2008

# Value of Livestock Products (2009)

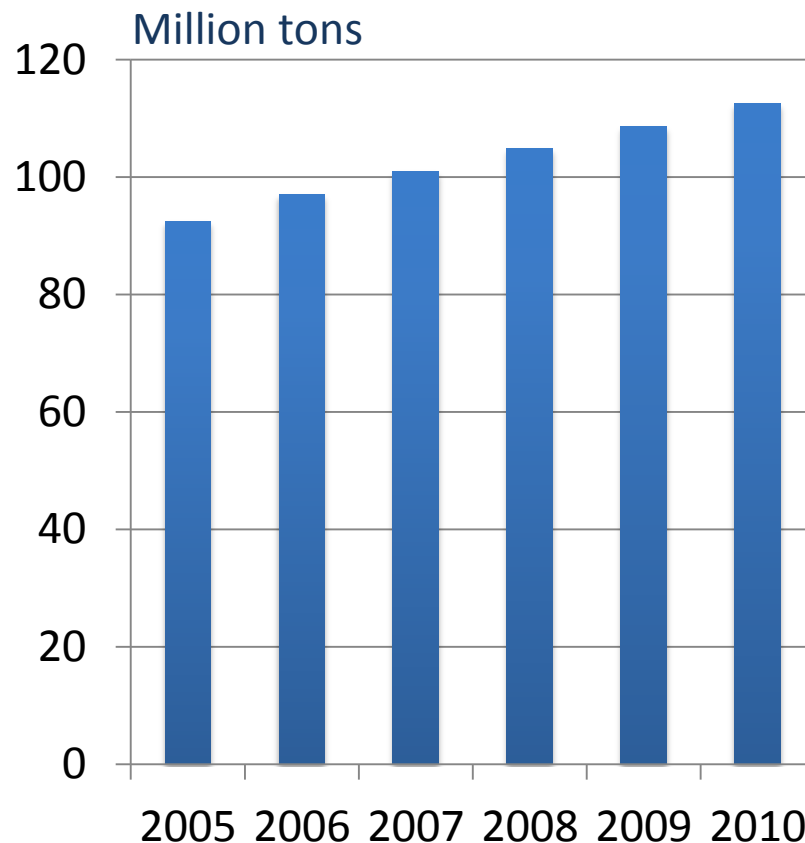
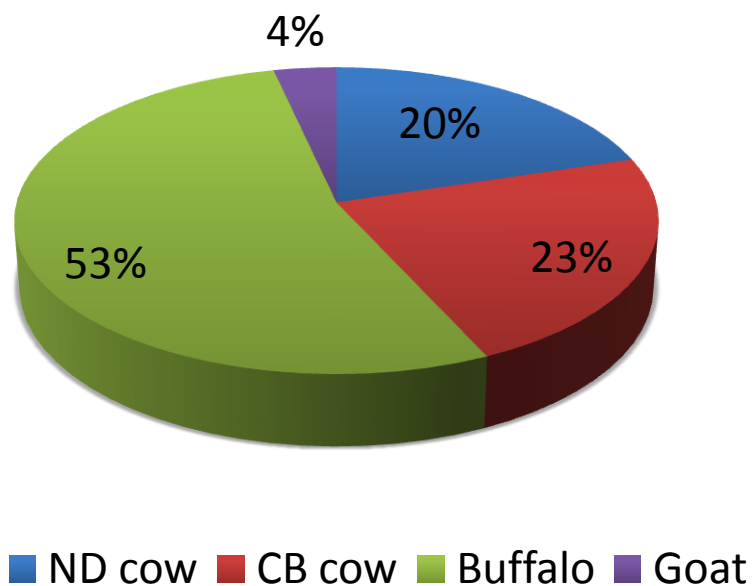


# Large Ruminants (2005)

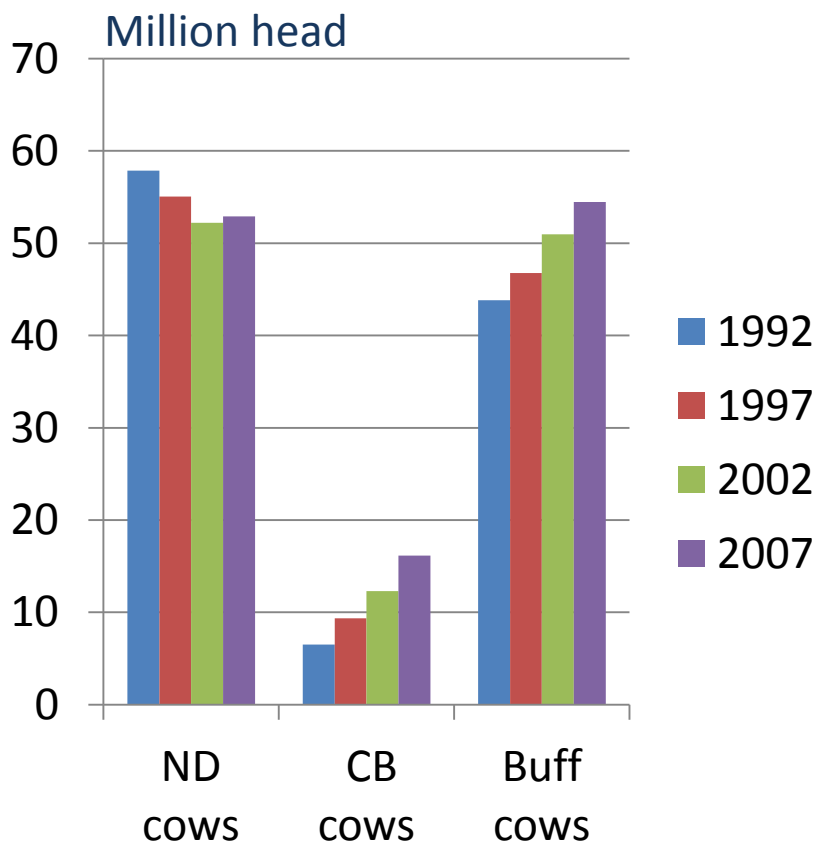


# Milk Production

By Species (2010)

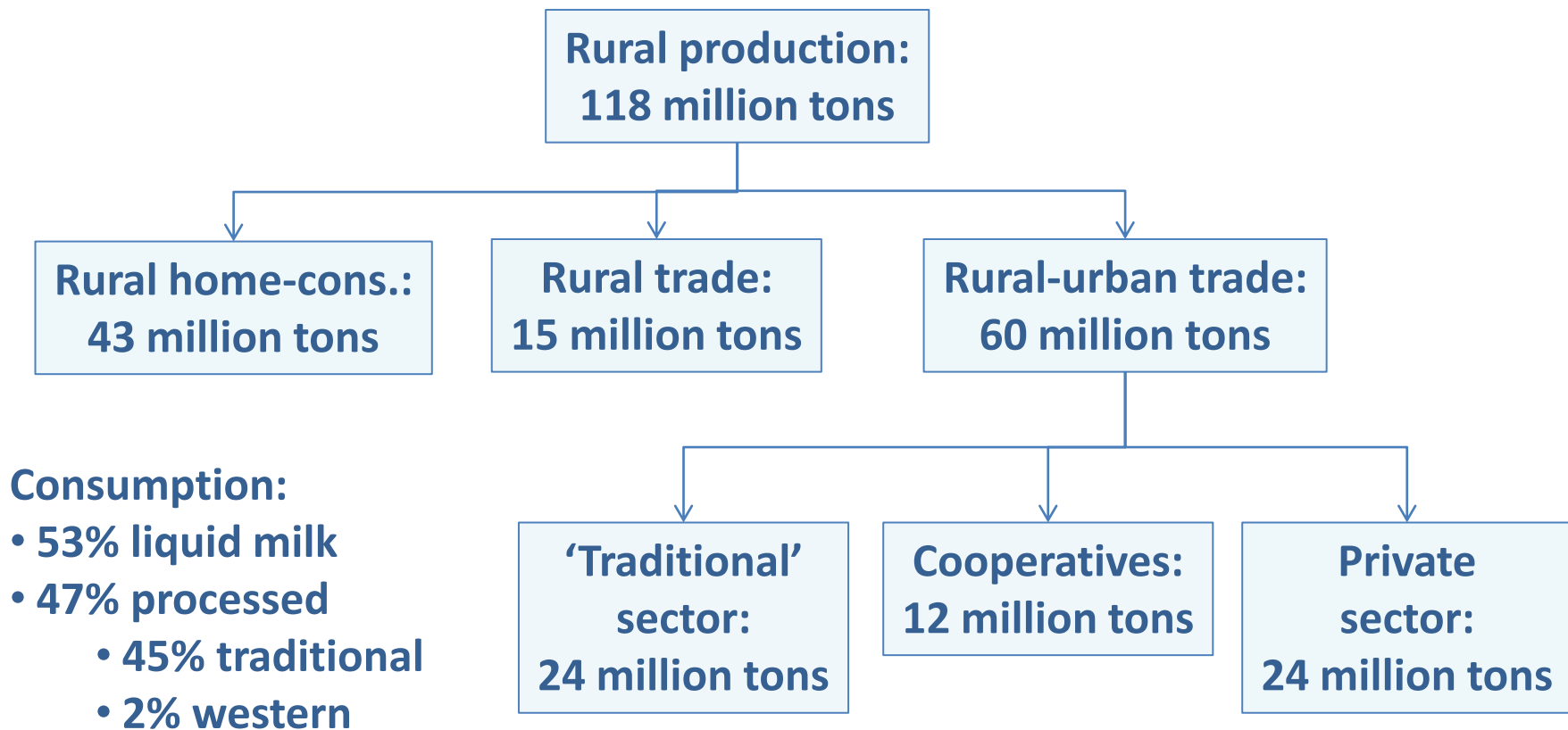


# Trends in Large Ruminants



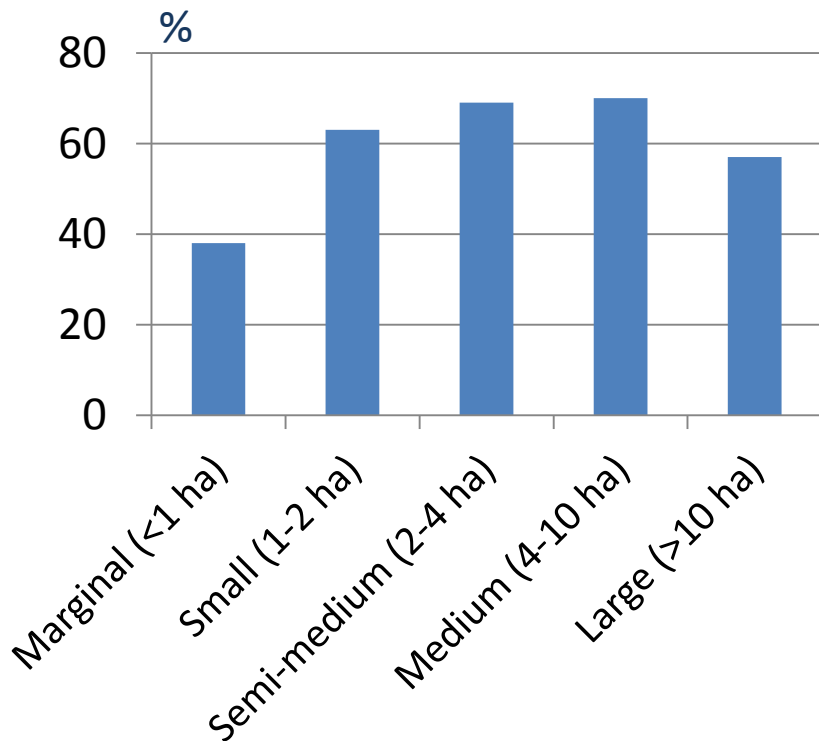


# Milk Flows (2010)

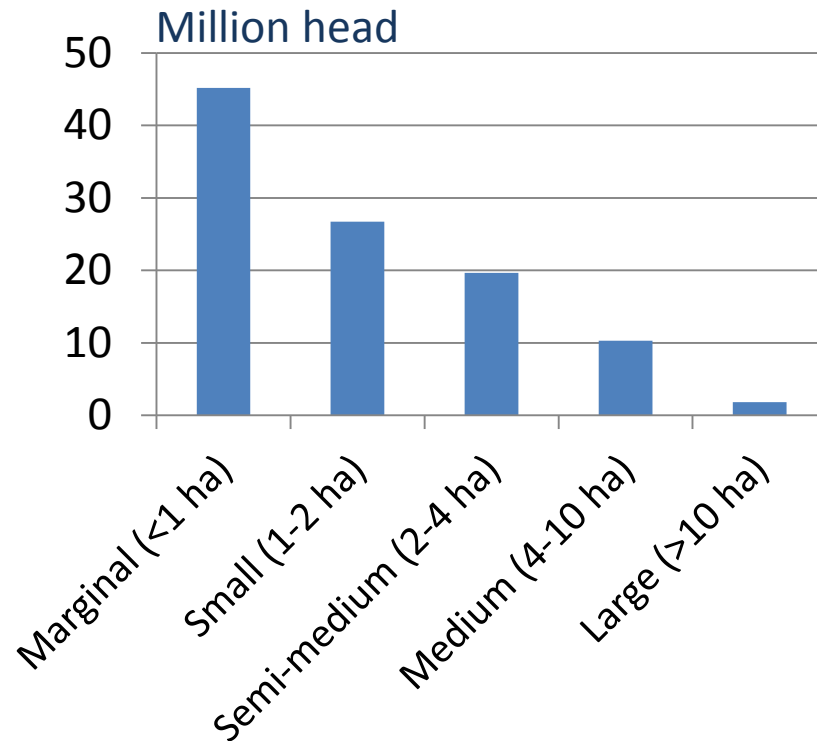


# Draught Animals (2000)

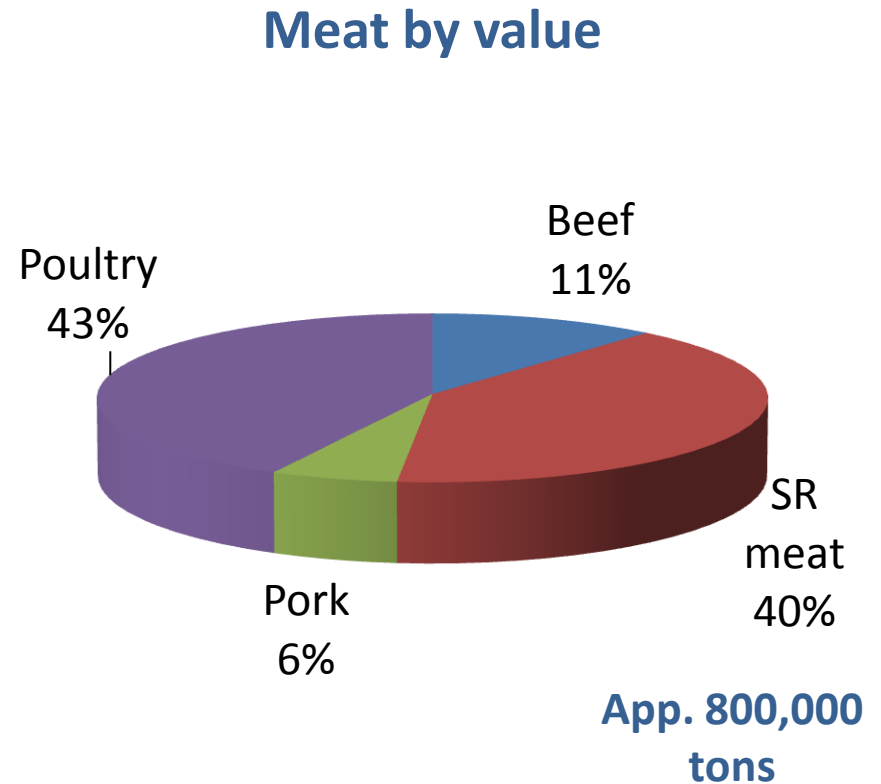
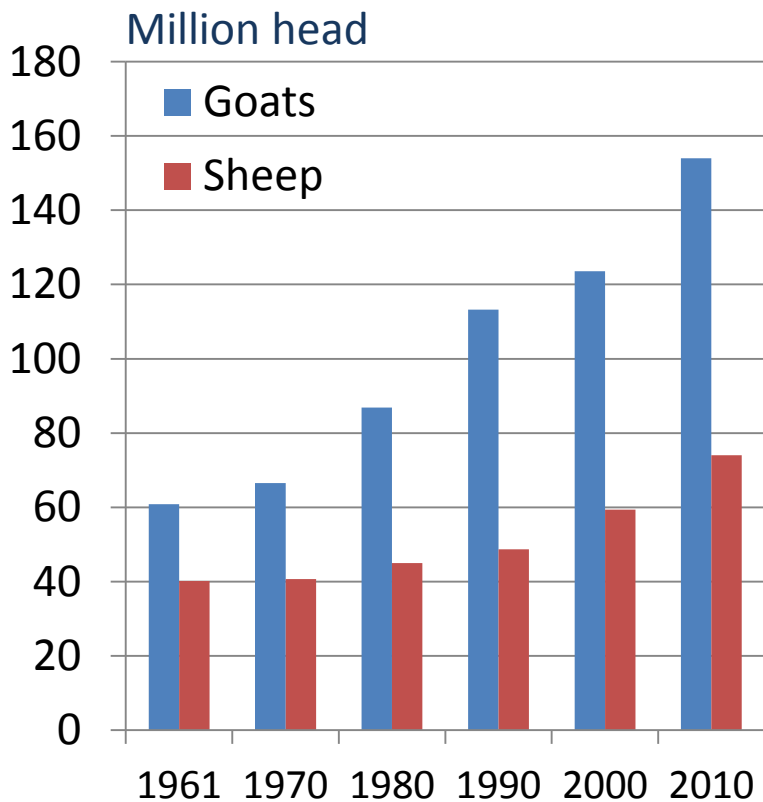
Ownership of pair



Total draught animals



# Small Ruminants



## SR Meat Industry

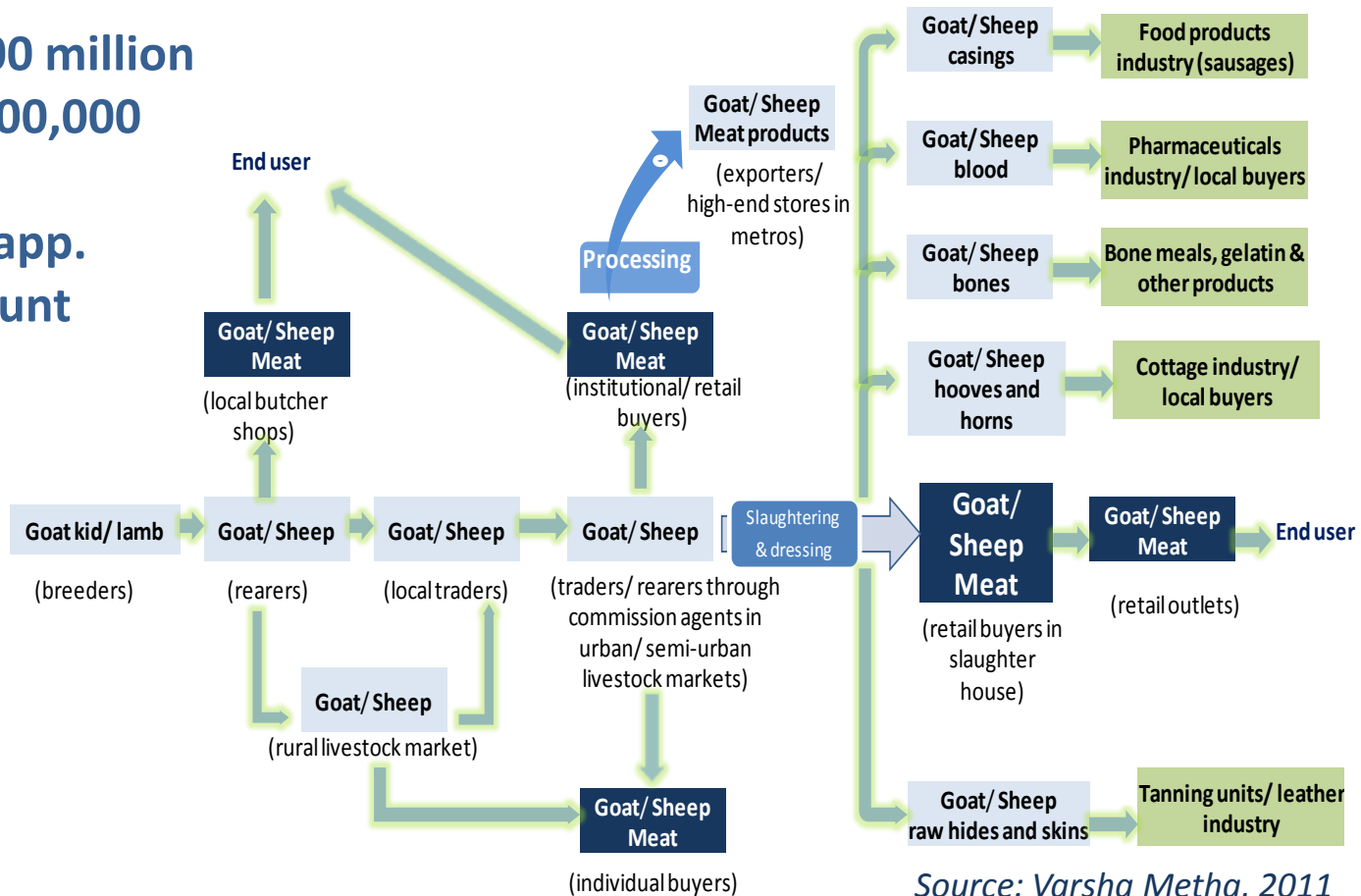
- >20 mln sheep and >50 mln goats slaughtered/year
- 4,000 registered and 25,000 unregistered slaughterhouses
- Gazipur market (New Delhi) 20,000-60,000 SRs traded per day, app. 10,000 slaughtered
- Mainly informal business with many intermediaries



*Photo credit: Varsha Metha*

## SR Value Chains

App. 80,000 million animals; 800,000 tons of meat and app. same amount of offal.



Source: Varsha Metha, 2011



## Meat & By-products Markets



*Photo credits: Varsha Metha*

## Summary



- > 0.5 billion susceptible livestock
- > 100 million livestock keepers
- Large volumes of domestic livestock product trade through ‘traditional’ networks (many middlemen)
- Within-country heterogeneity
- For many livestock keepers FMD probably not a priority
- Many VC actors would perceive FMD control measures (e.g. standstill) as detrimental to their activities

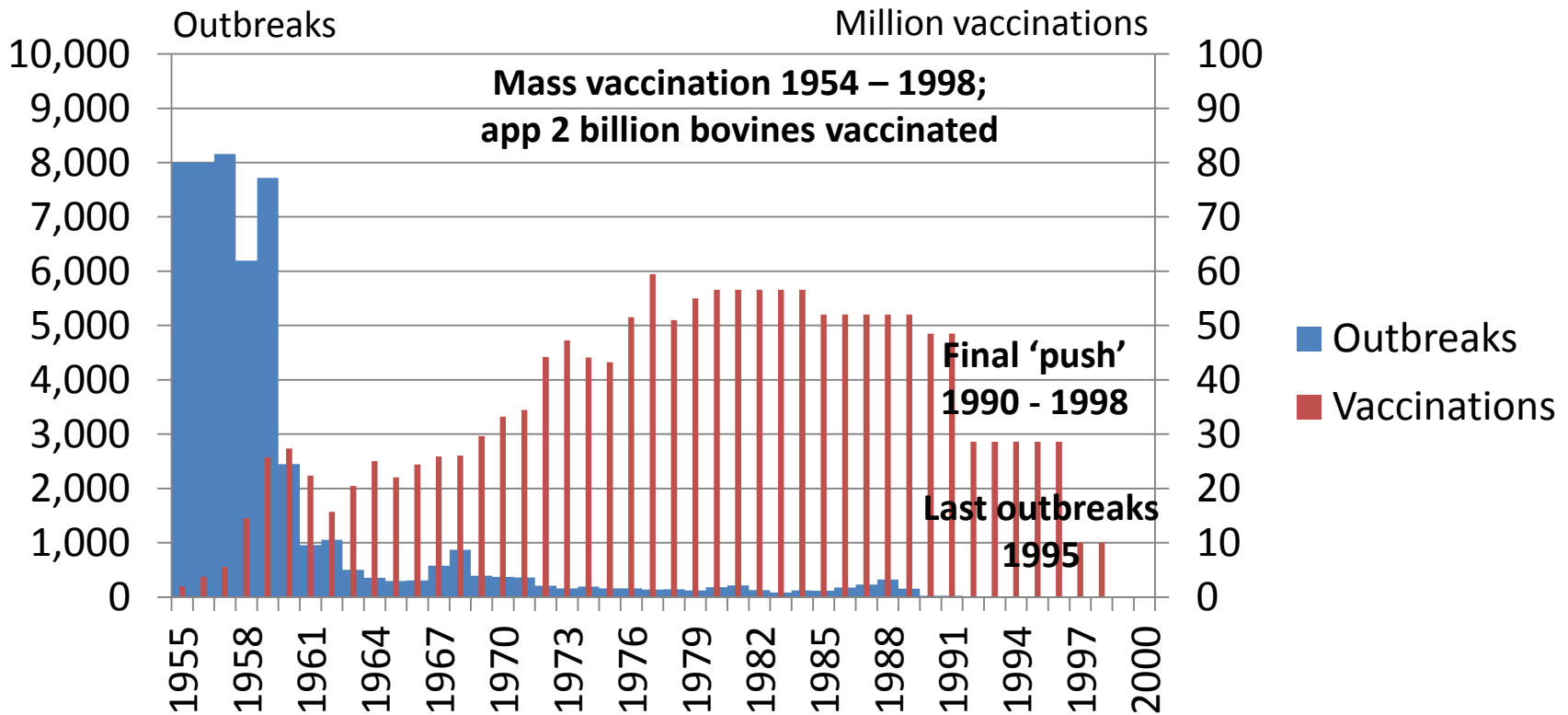
## Implications (I)



- Meticulous state / situation-specific control plans which are continuously updated based on M&E results (activity monitoring and results monitoring – metric beyond ‘outbreaks’)



# India Rinderpest Control



## Implications (II)



- Massive communication efforts explaining control program and benefits to all affected (results from 'pilot' areas?)
- Find incentives to recruit all key actors into control program
- Tailored compensation packages for losses suffered through control measures
- Very long breath, but...



**Together we can do it!!!**