



Building Bridges, Supporting Livelihoods



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

Joachim Otte and Vinod Ahuja

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

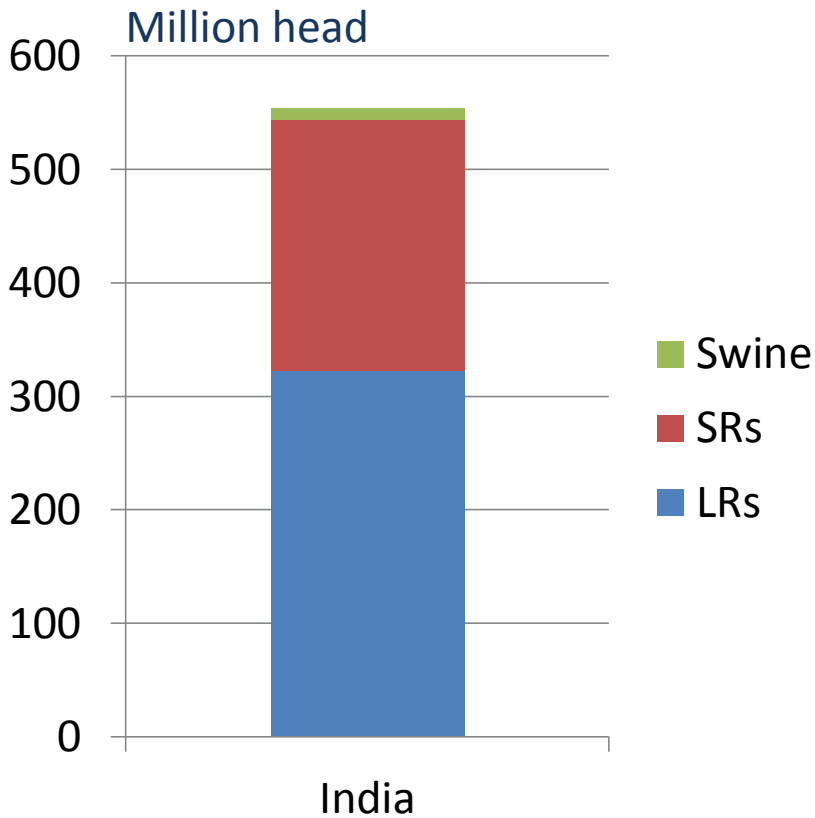
Outline

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

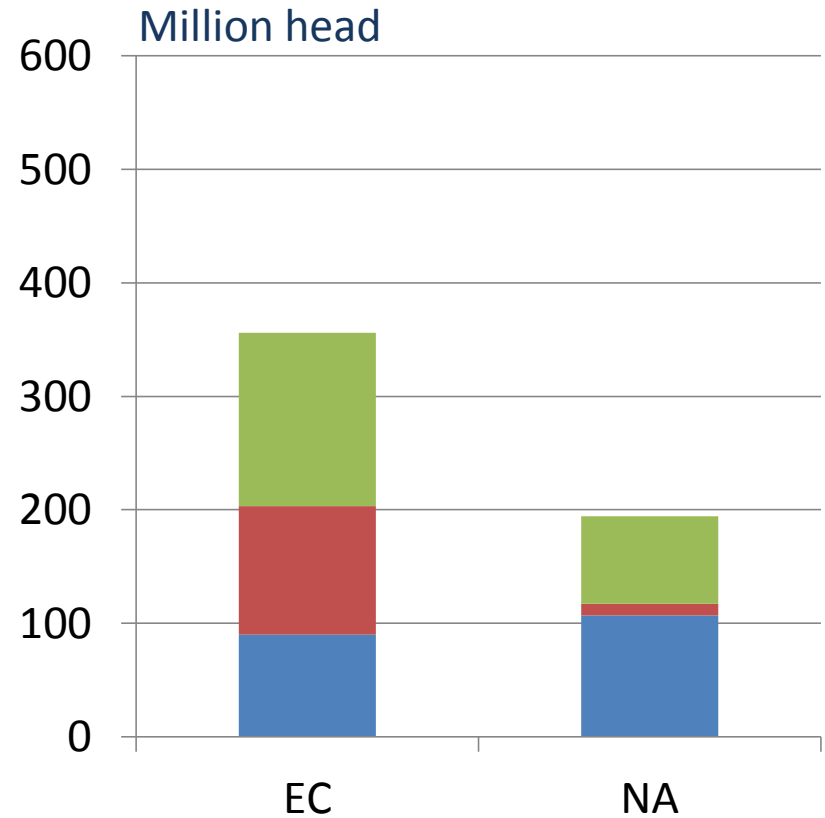


Ruminants & Swine (2010)

India

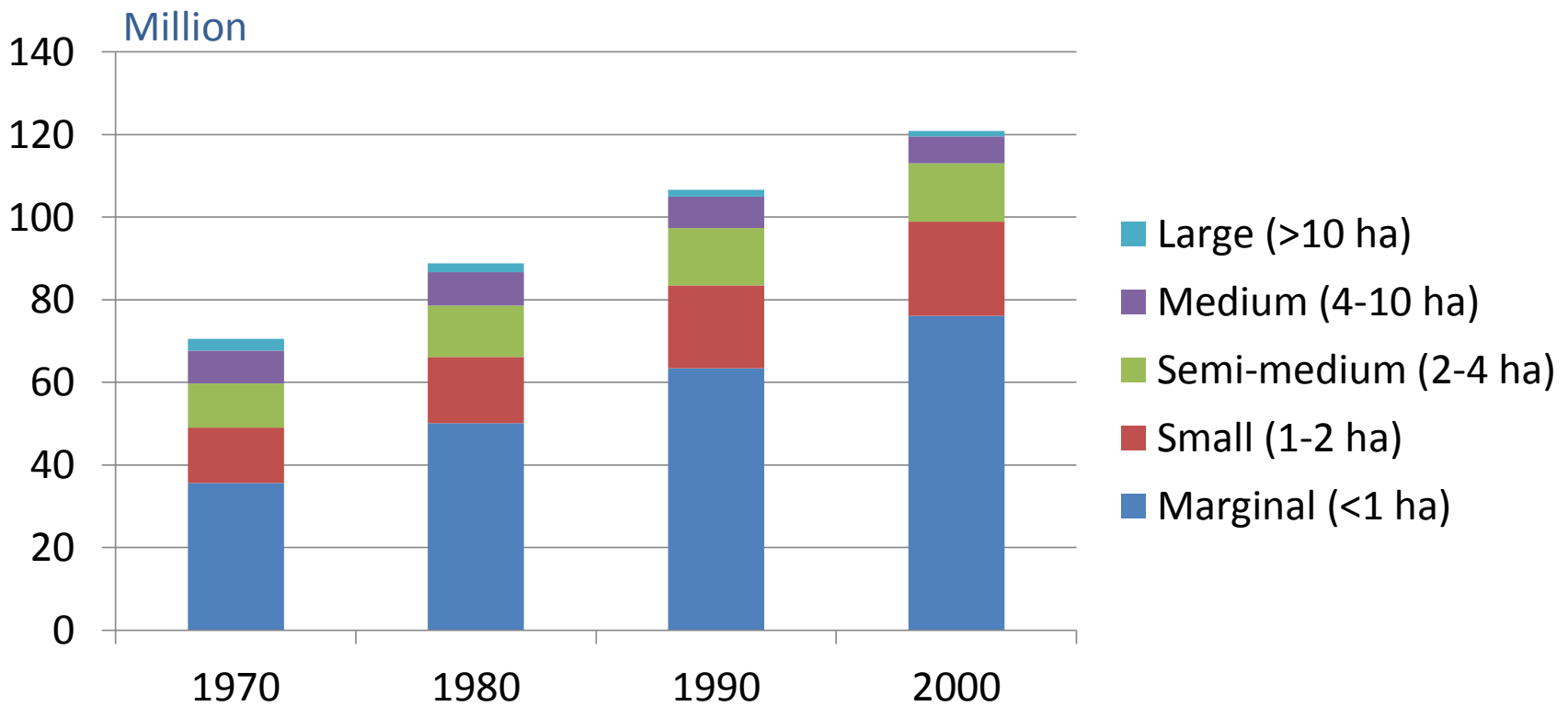


Selected Regions



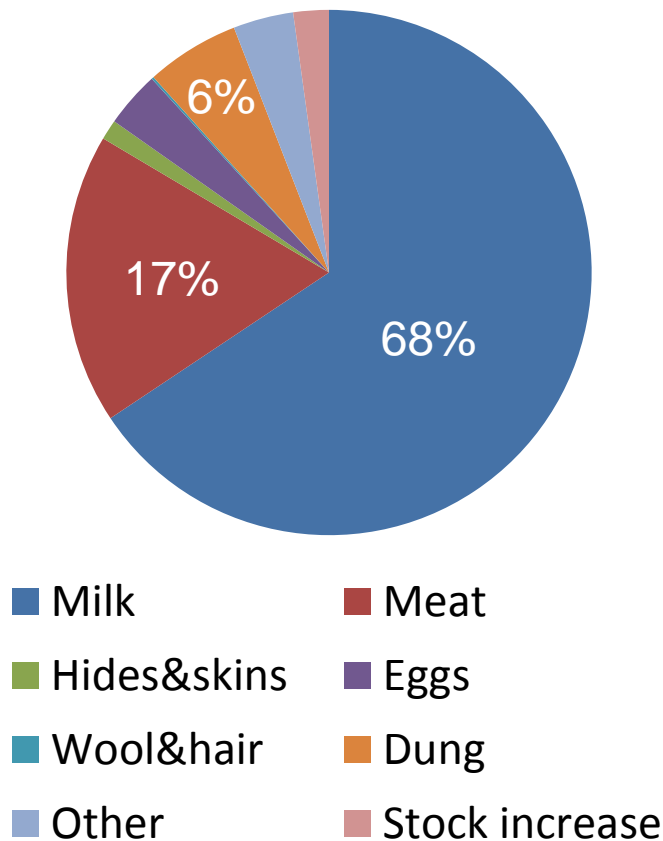


Operational Holdings

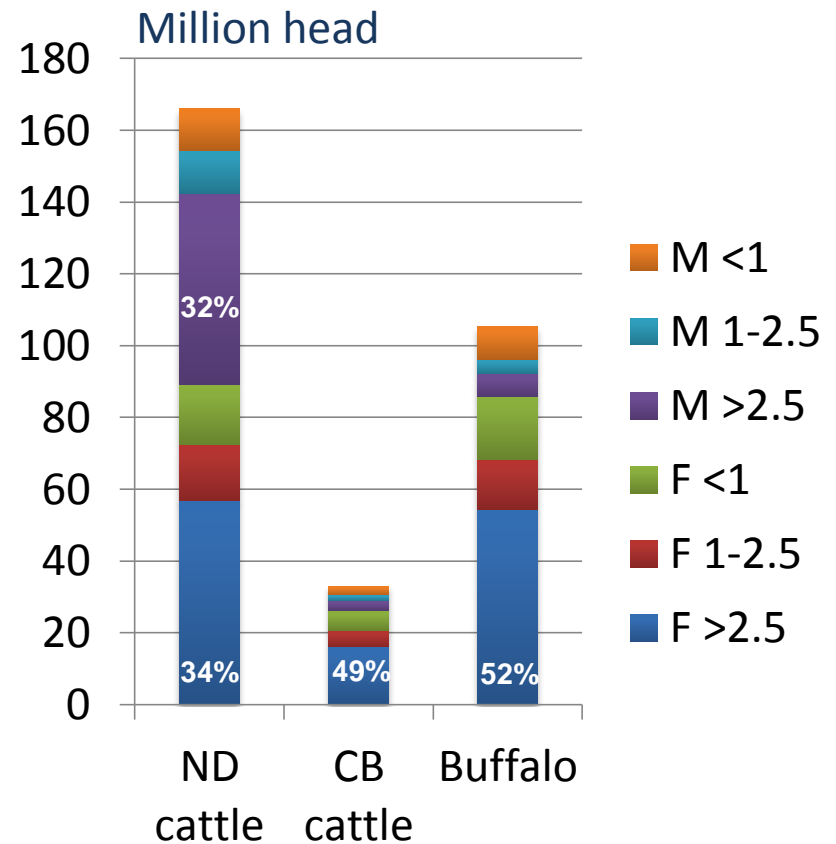
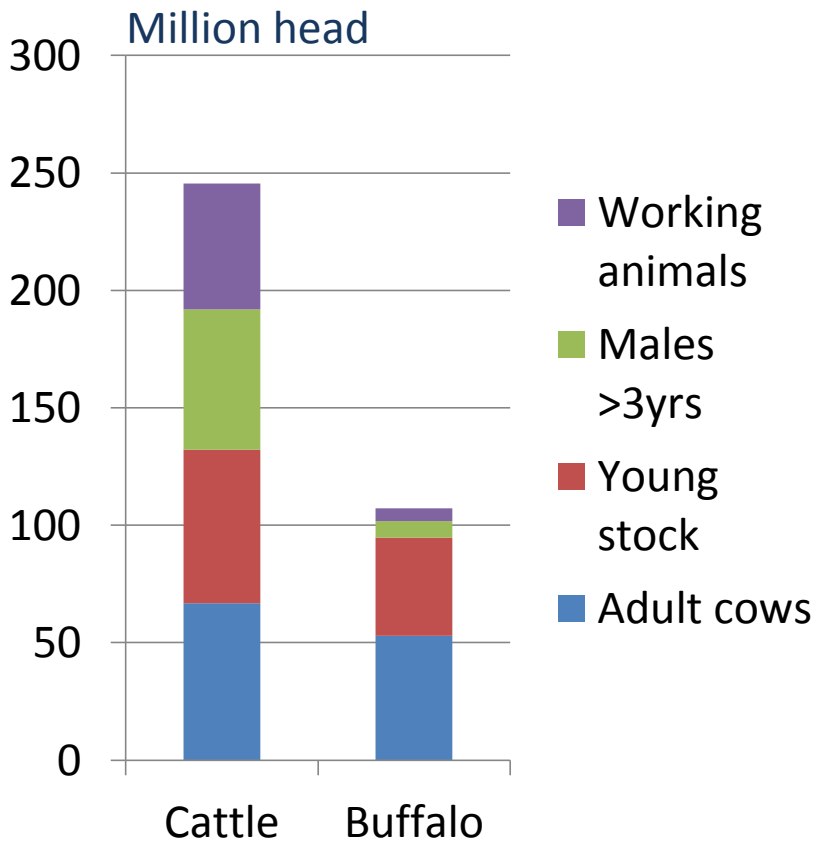


Source: Gol 2008

Value of Livestock Products (2009)

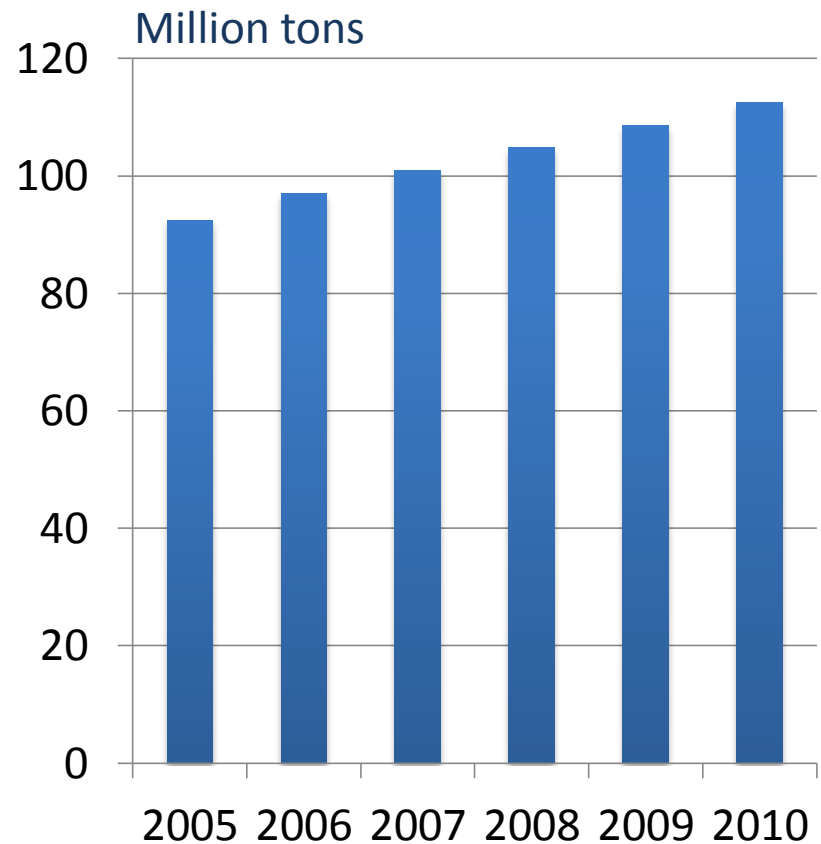
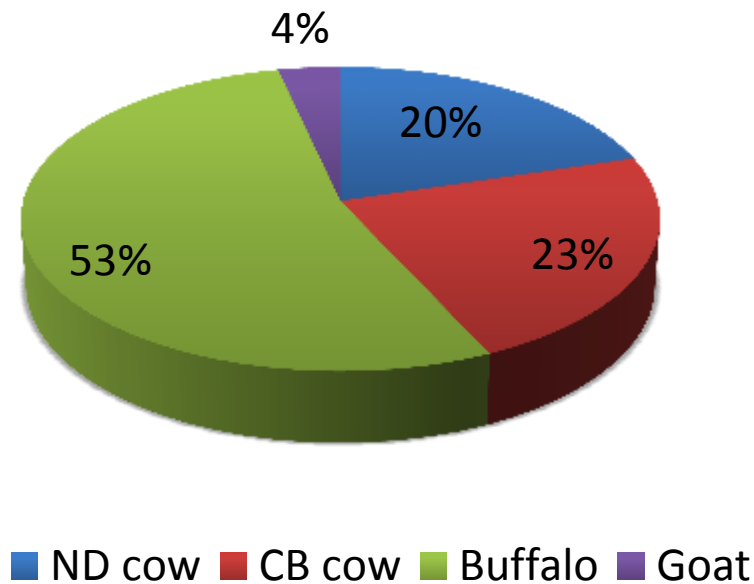


Large Ruminants (2005)

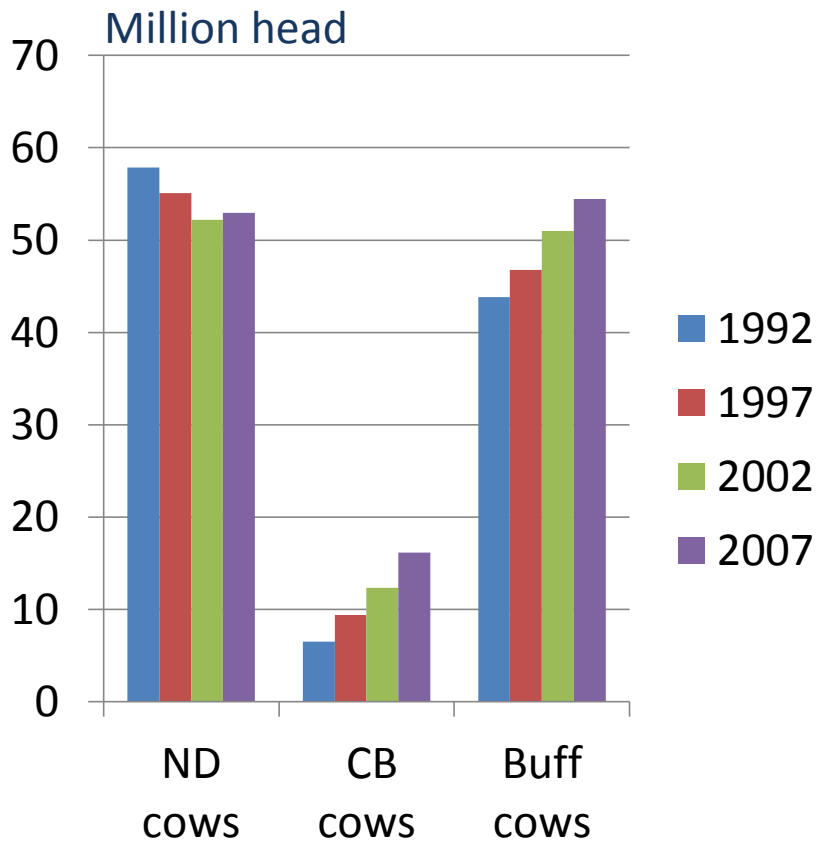


Milk Production

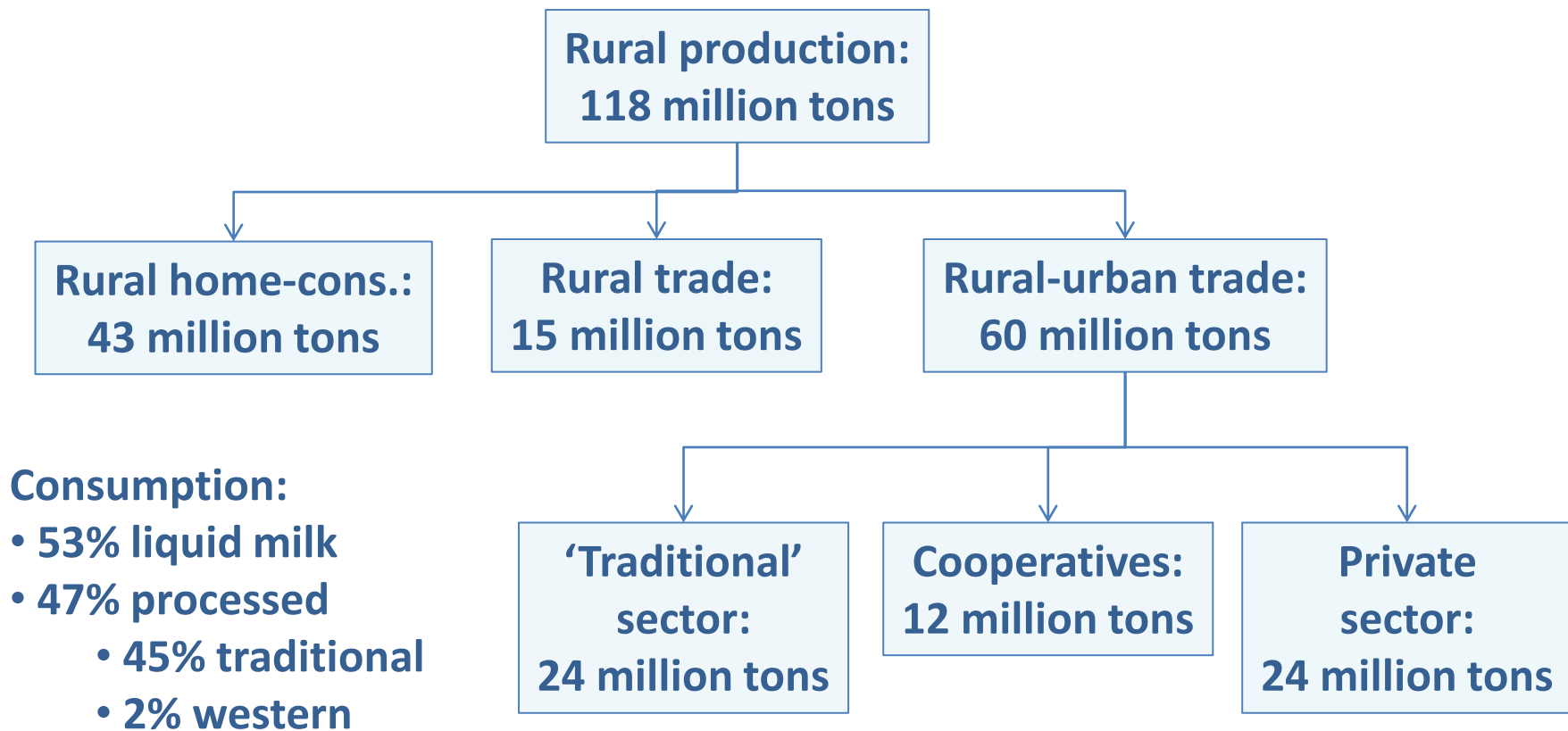
By Species (2010)



Trends in Large Ruminants

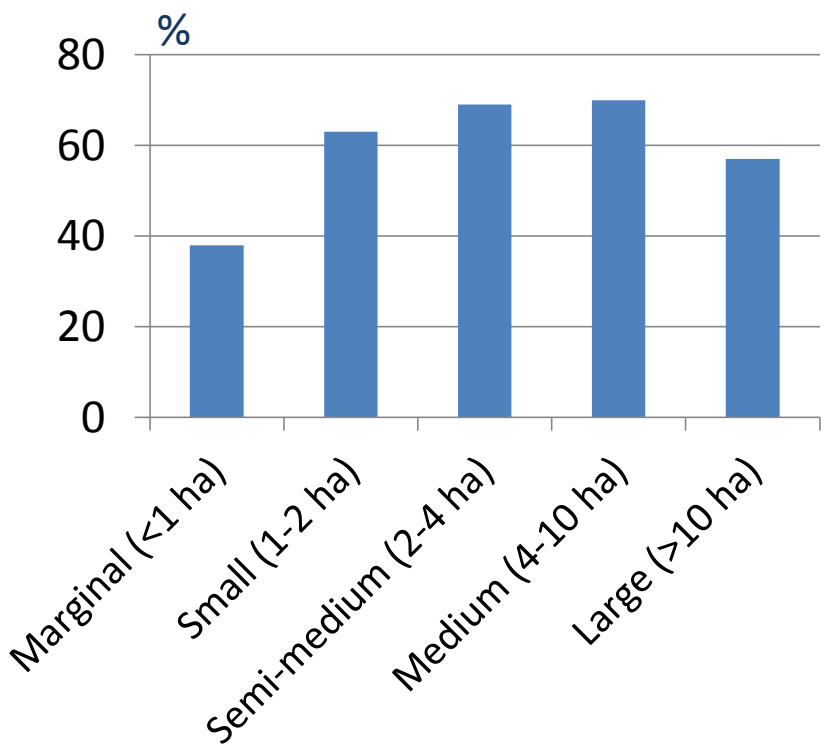


Milk Flows (2010)

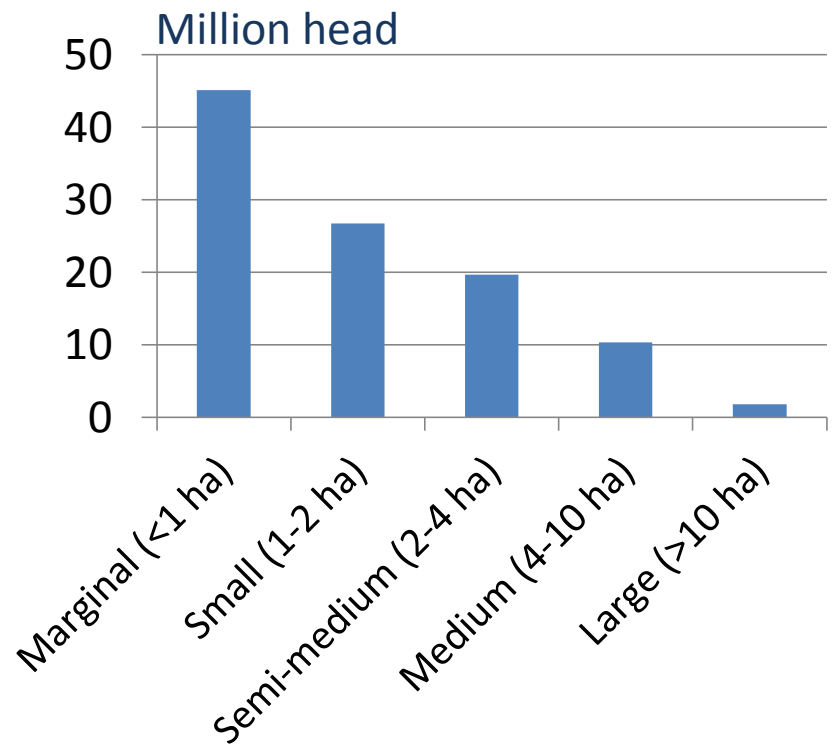


Draught Animals (2000)

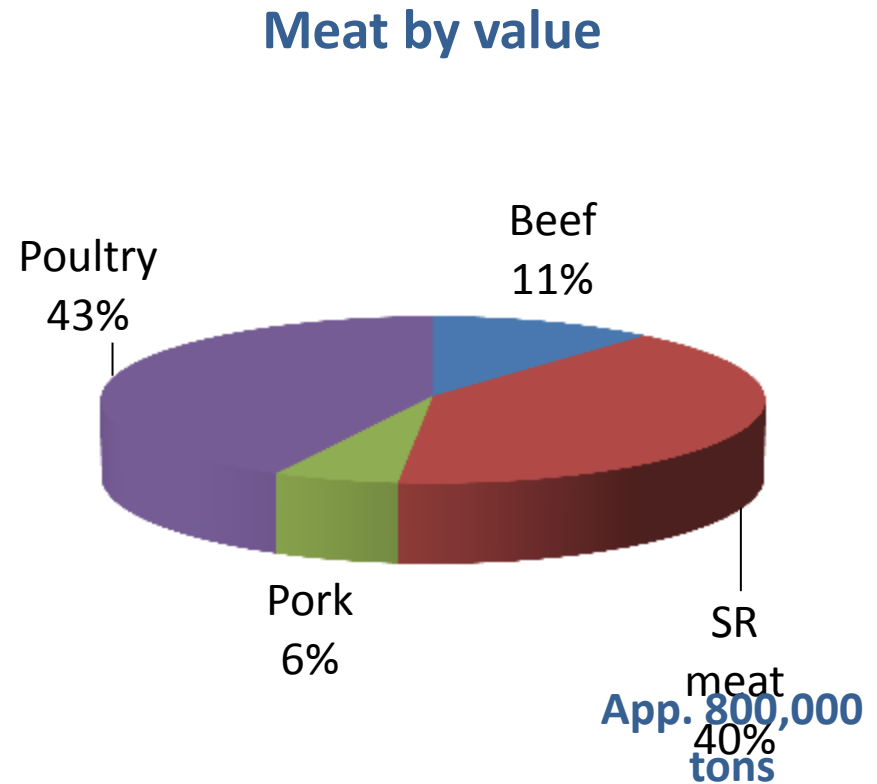
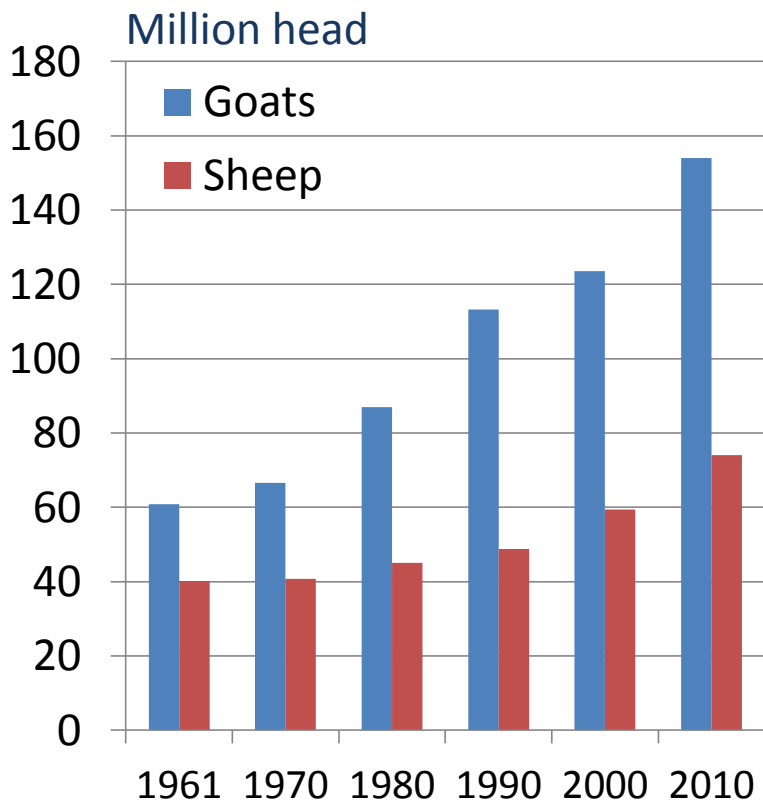
Ownership of pair



Total draught animals



Small Ruminants



SR Meat Industry

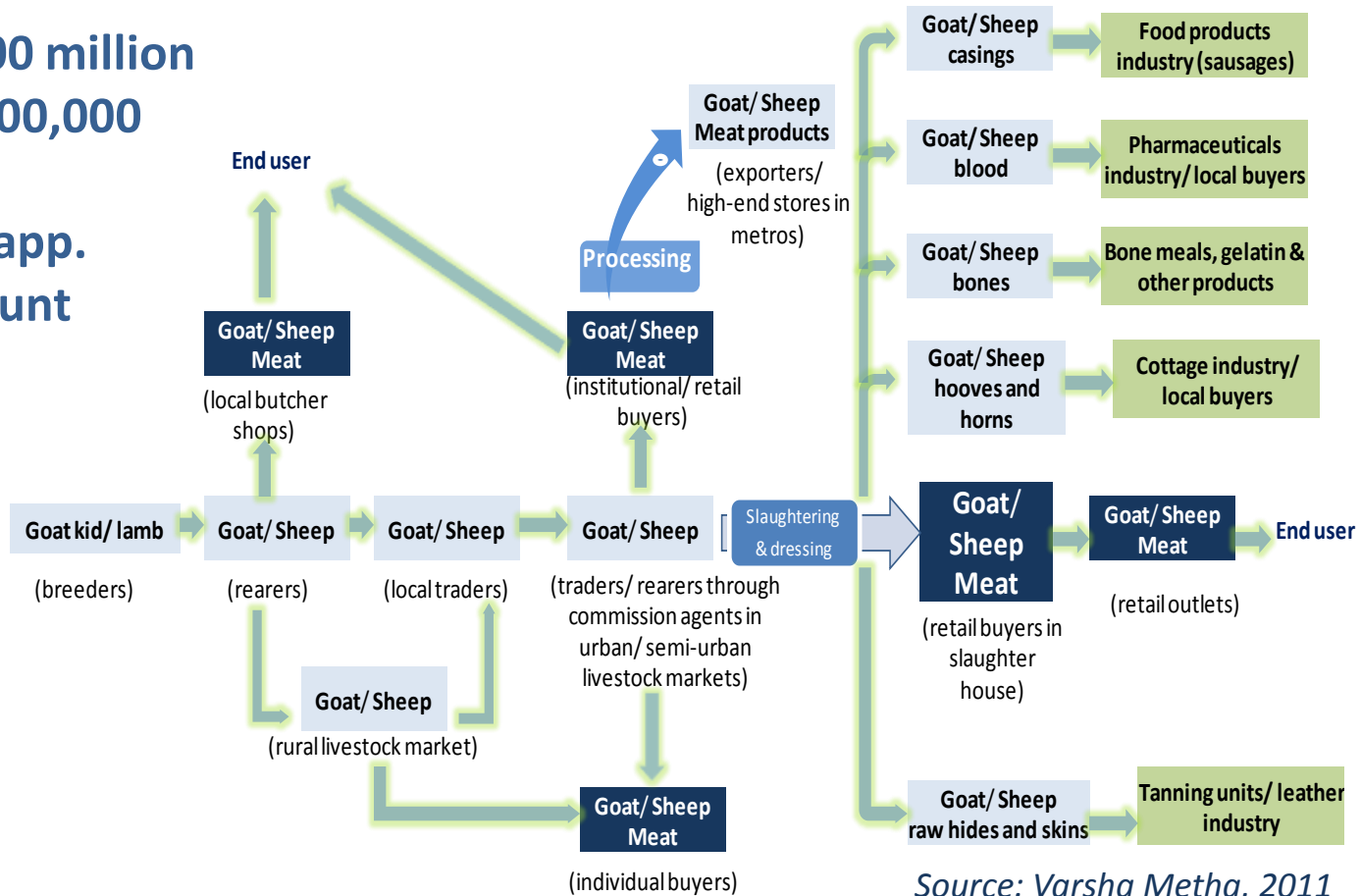
- >20 mln sheep and >50 mln goats slaughtered/year
- 4,000 registered and 25,000 unregistered slaughterhouses
- Gazipur market (New Delhi) 20,000-60,000 SRs traded per day, app. 10,000 slaughtered
- Mainly informal business with many intermediaries



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



Summary



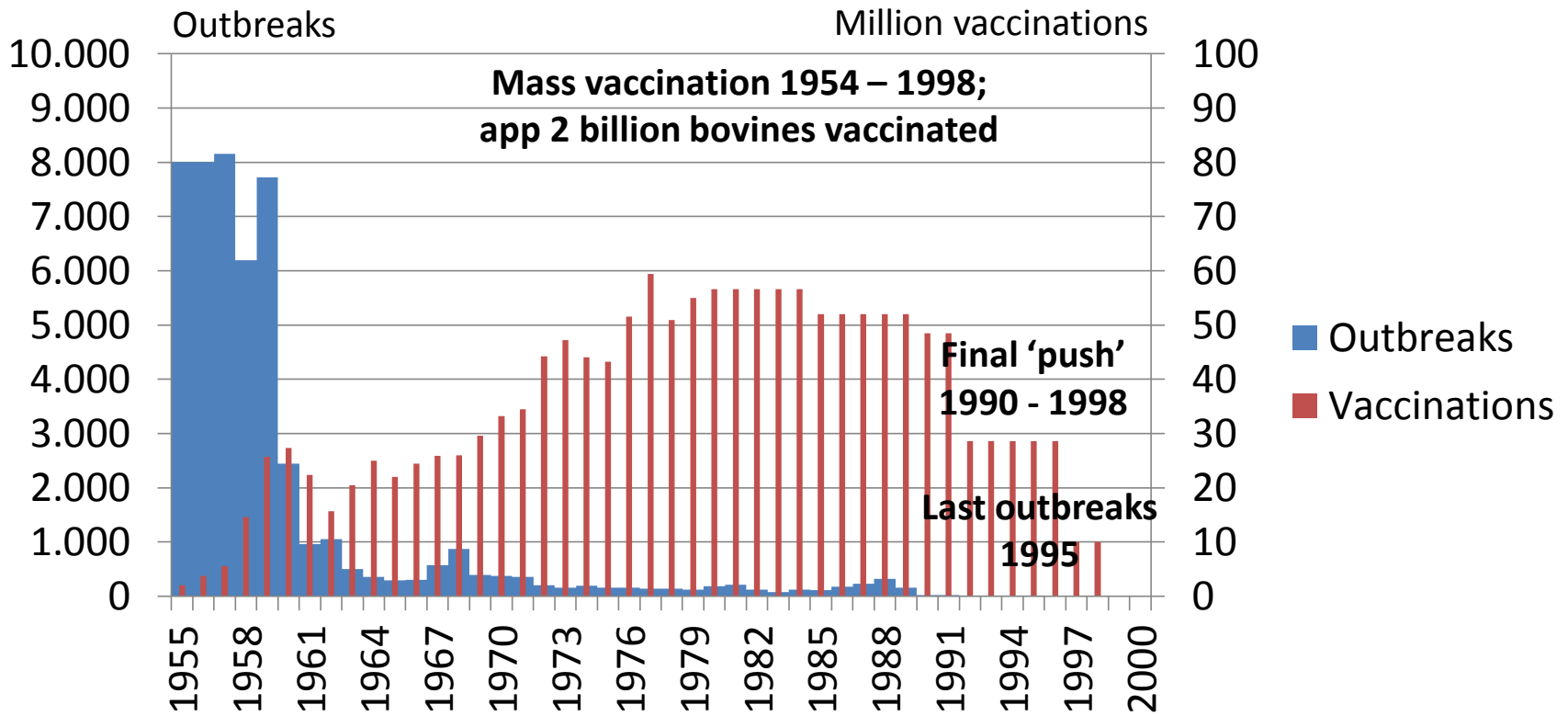
- > 0.5 billion susceptible livestock
- > 100 million livestock keepers
- Large volumes of domestic livestock product trade through ‘traditional’ networks (many middlemen)
- Within-country heterogeneity
- For many livestock keepers FMD probably not a priority
- Many VC actors would perceive FMD control 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!!!