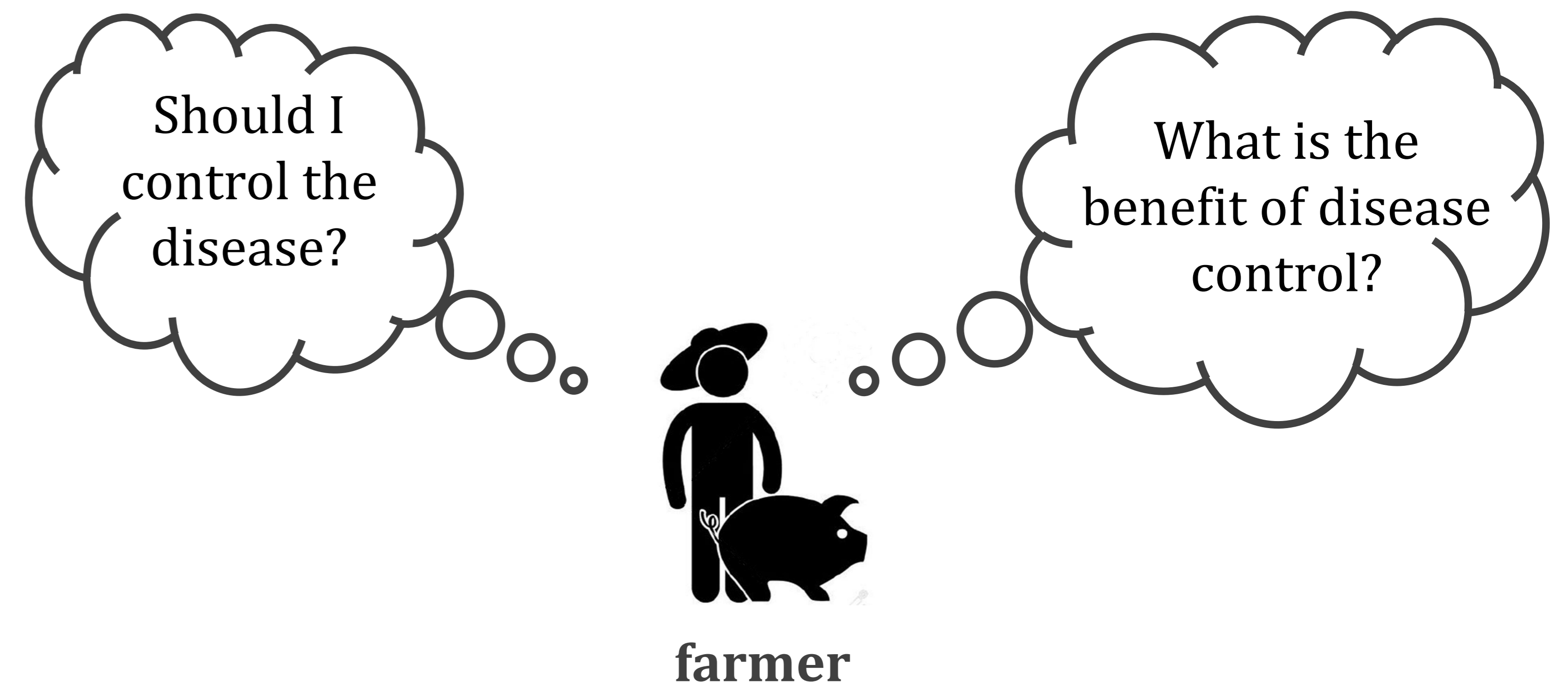


Problem description

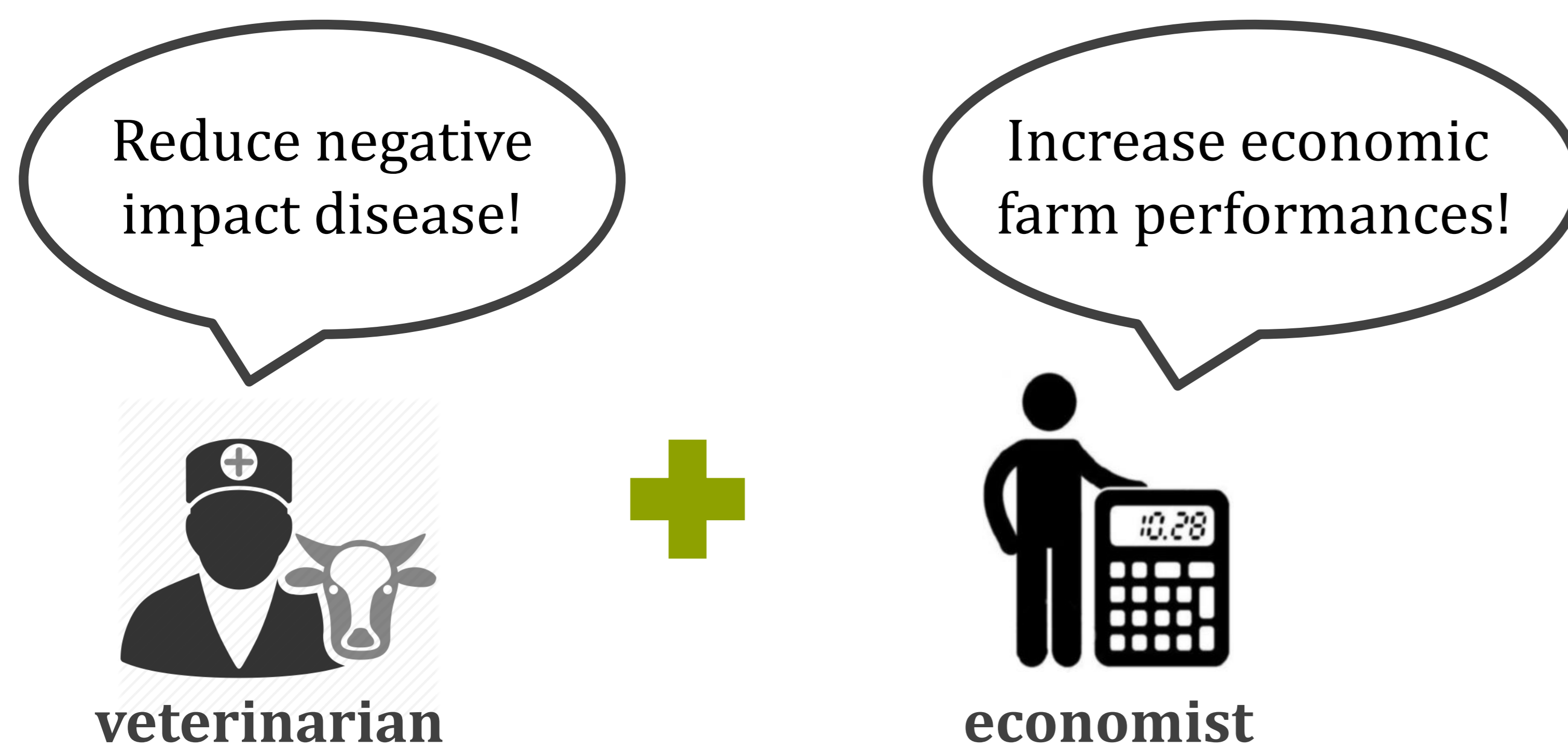
Poor support of economic-epidemiological decisions in livestock farming

- Convert partial production losses (i.e. milk yield, weight gain) into economic values
- Based on average production impact and/or prices
- Whole farm economic impact unclear



Study the relationships

Combine economic and epidemiological knowledge



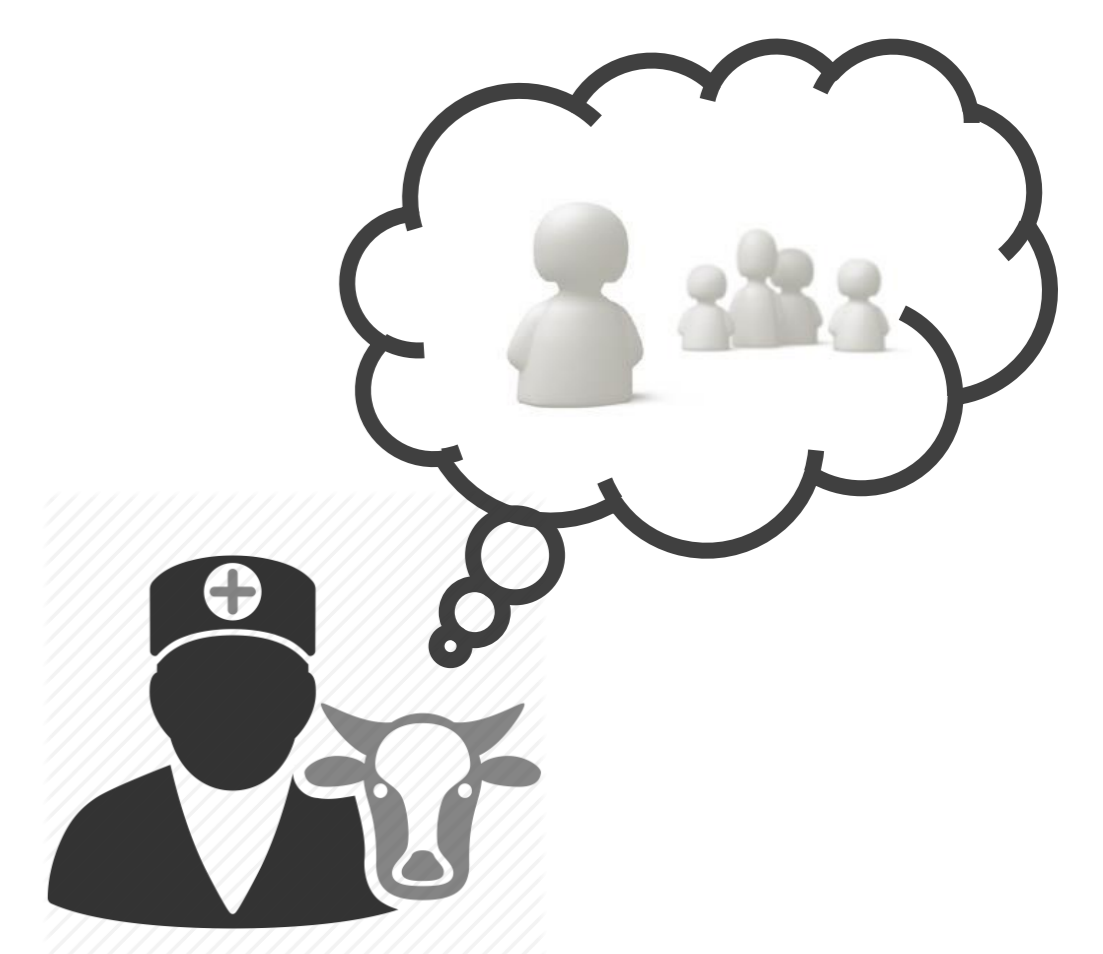
Apply production economic framework

- Input-output efficiency
- Input allocation
- Link with the level of disease

Level of analysis

Support economic-epidemiological decisions at individual farm level!

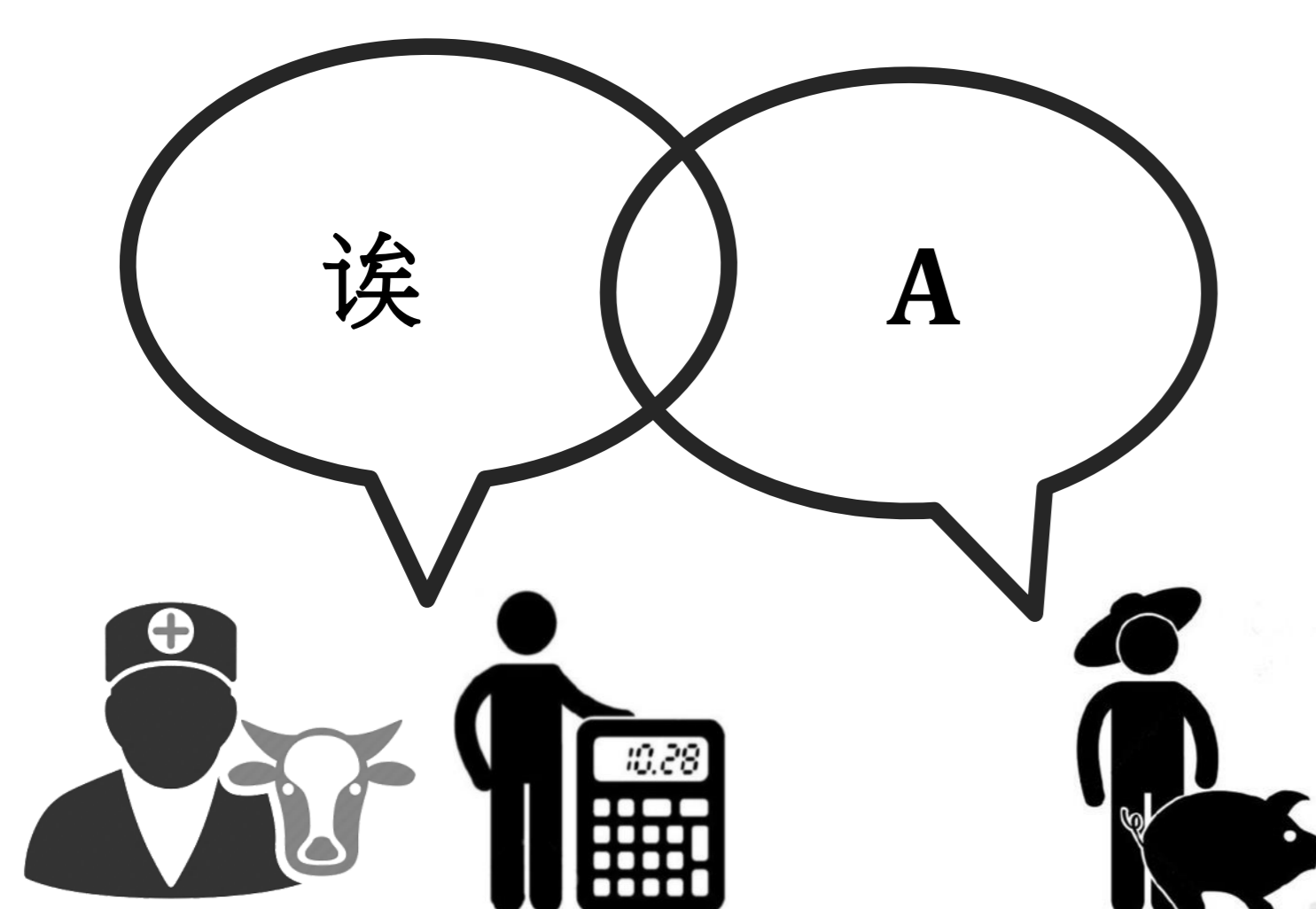
- Identify a farm-specific and realistic benchmark
- Indicate farm-specific economic-epidemiological improvement paths
- Disease control measures are farm-specific
- Optimal economic-epidemiological decisions result in win-win or trade-off situations



Support economic-epidemiological decisions

Develop and implement a practical decision support system

Successful implementation in practice



- Comply with critical success factors
 - usefulness, accessibility, flexibility, credibility, maintenance and adaptability
- Translate framework results into communicative measures!
- Participatory approach important to address the users needs