
Research & Innovation for Sustainable Animal Production



Cooperation between China and EU

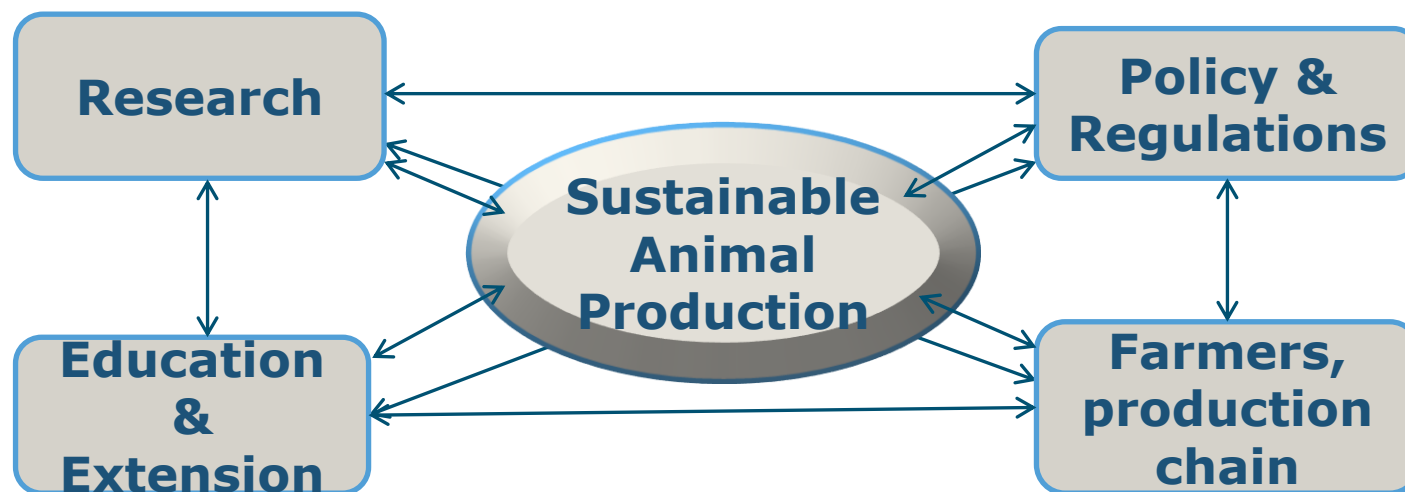


Cooperation in Research **and** Innovation



- R&I on control of animal diseases (zoonosis)
- R&I on sustainable and animal welfare friendly livestock production systems

Not only 'what' (technical solutions), but also 'why' (societal support) and 'how' (implementation of solutions = innovation)



Sustainability of animal production as umbrella

Some general questions

- How to balance/evaluate sustainability issues?
- How to include farmers, their knowledge and motivation
- Is there a limit to production (should we consider to stop to produce more)



Topics

- Animal diseases
- Pollution/manure
- Loss of genetic diversity
- (Lack of) system diversity (consumers choice), quality of products
- How to handle upcoming issues (animal welfare, pollution)
- Resource use efficiency/feed efficiency/new feed ingredients (not competing with human nutrition)
- Inefficiency due to reduced fertility



Areas for collaboration

Animal diseases: already more concrete topics

- Vaccinology
- Epidemiology (surveillance, biosecurity; requires research on social and policy issues how to guarantee transparency)

Need to prioritize between diseases: overlapping interests for EU and China and further by global importance and possibilities to share results among countries

Genetic diversity (Conservation)

Feeding, feed efficiency (understanding and improving)

New feed ingredients?

In-efficiency due to reduced fertility?



Societal concern topics

- Manure production and utilization in a responsible way
- Utilization of biodiversity (markets for specialities, special genotypes, old breeds but also new genotypes)
- Utilization of system diversity, increase of system diversity
- How to handle upcoming issues (animal welfare, abuse, pollution)



Instruments

- Some topics are well defined and ready for collaborative projects
- Some need exploration, further inventory through networking (societal issues possibly?) to define possible areas for collaboration more in detail



Framework conditions

- Not discussed in detail
- China has experience with collaboration with USDA on vaccines and IP (no real issues expected).
- In general no species mentioned, topics are preferably tackled across species

