



SUSTAINABLE LIVESTOCK PRODUCTION MEKONG DELTA, VIETNAM

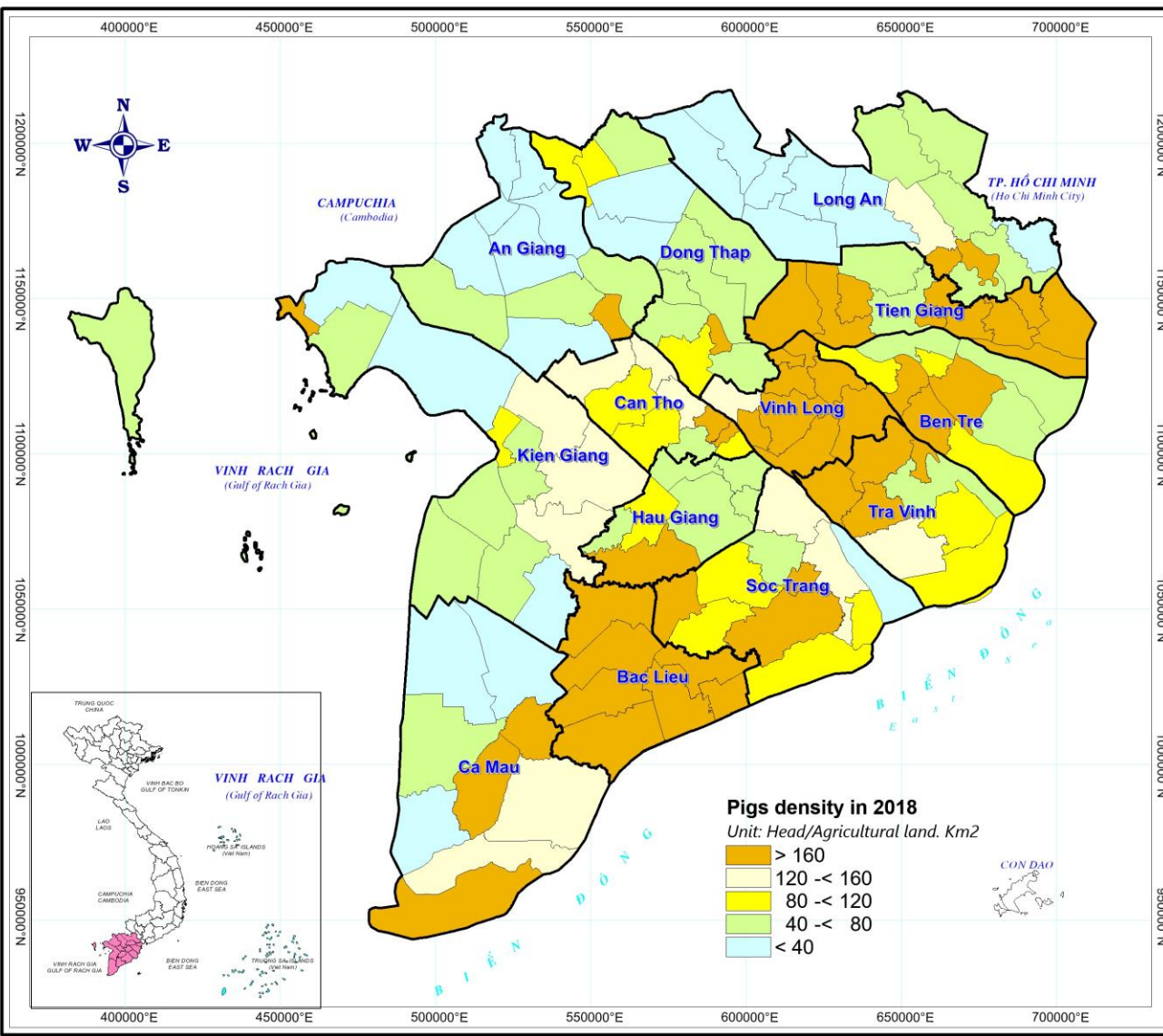
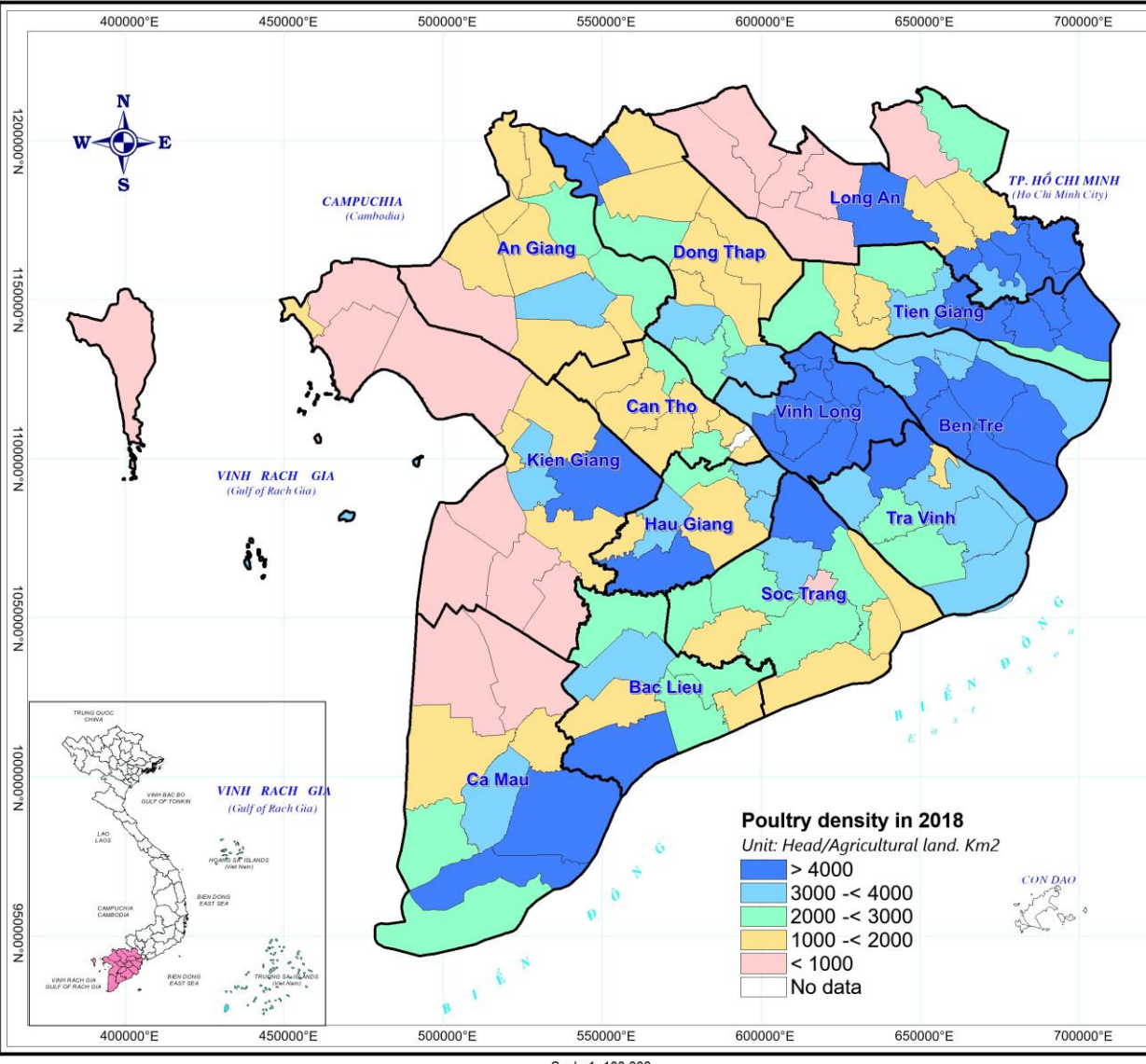
COLLABORATION BETWEEN VIETNAMESE
AND DUTCH PARTNERS

MAIN ISSUES LIVESTOCK SECTOR

- Overexploitation of natural resources (groundwater)
 - Environmental degradation
 - Emissions to water and air
 - Animal diseases (ASF and Avian flu)
 - Antibiotics
 - Typical backyard farm/dealer environment
 - High reliability of imported feed
- *Demand for animal products is expected to increase in the near future (especially of pig meat production)*



LIVESTOCK DENSITY

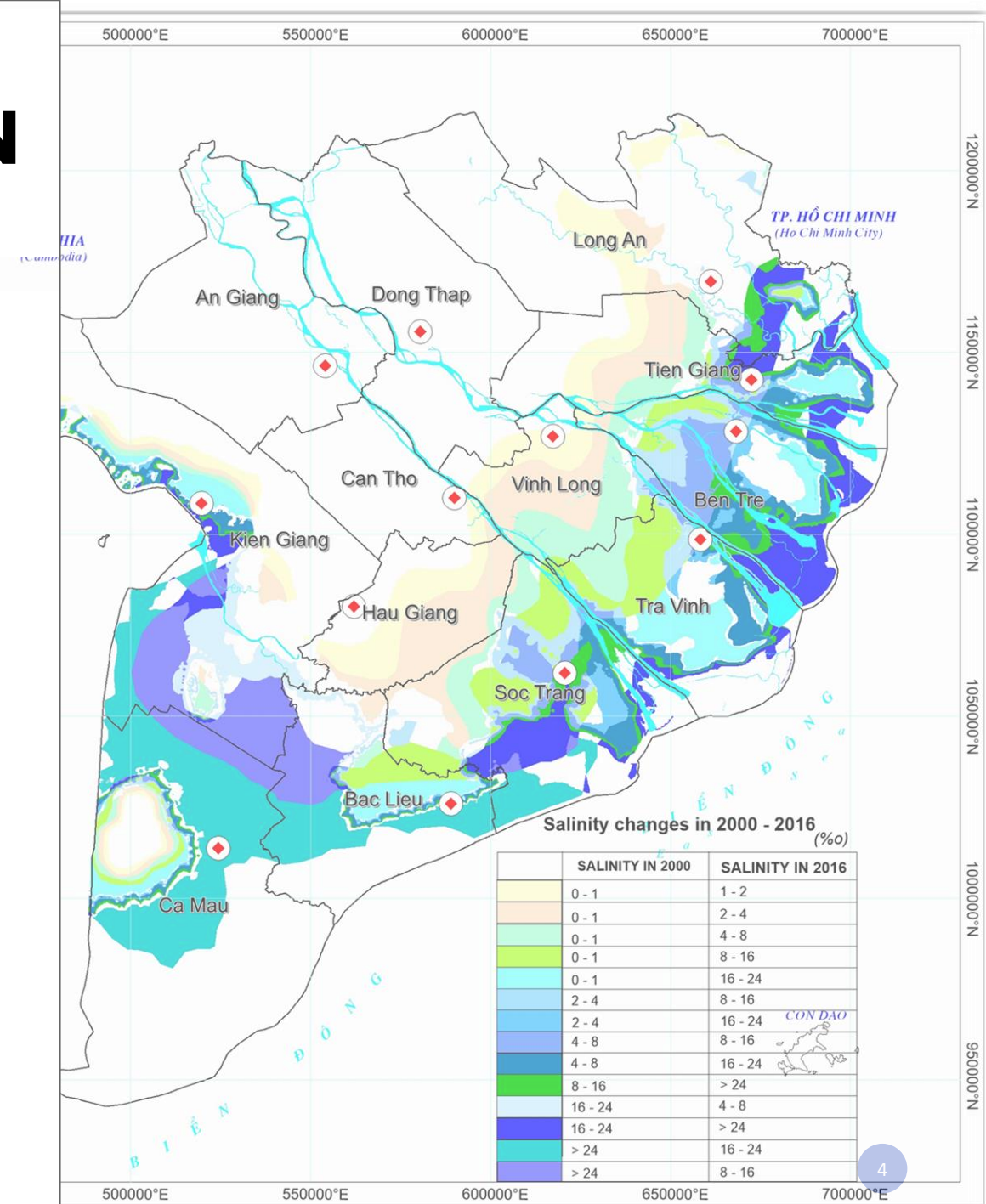


LIVESTOCK PRODUCTION IN THE MEKONG DELTA

Main challenges

- Drought and Salinity:
 - Lack of fresh water for animal drinking water
 - Cooling water
 - Lower / mis-harvests of feed (crops) production
- Heat stress
- Outbreak of animal diseases: Lack of hygiene and biosecurity
- Unsustainable production systems

- **Vietnamese strategy of livestock production**
- **Mekong Delta Plan**



DEVELOPMENT LIVESTOCK SECTOR IN THE MEKONG DELTA

Goals

- Meet expected growing demand for meat products
- Contribute to circular food production systems
- Sustainable agriculture

Objectives for livestock in the Mekong delta

- Prevent/reduce emissions to water and air
- Prevent/reduce smell
- Efficient use and availability of freshwater
- Create sustainable food production systems
- Improve hygiene and biosecurity

PPP CIRCULAR LIVESTOCK SYSTEMS

Outcomes

- Less reliable on import feed products
- Less reliable on decreased production local produced feed
- Contribute to efficient use of resources
- Show scenario's of circular and sustainable livestock systems and express relevant trade offs
- Show steps towards the transition to circular systems

PPP FARMERS' COOPERATION

Main outcomes

- Inspire and activate backyard farmers
- Prevent emissions and diseases
- Exchange knowledge between farmers, business organizations and experts

PPP ANIMAL HOUSING

Outcomes

- Sustainable animal housing
- Reduce and prevent animal diseases and spread
- Reduced environmental pollution
- Sufficient drink water
- Prevent heat stress



PPP DEMOFARM FOR POULTRY AND DAIRY FARMS

Main outcomes

- Inspiration for farmers, sectors, business organizations and governments
- Adapt to flooding event
- Contribute to (and discussion on) sustainable food production systems
- Create organic mixed farm for local markets (based on Vietnamese strategy)

FOLLOW UP

Activities

- Contact organizations that showed interest after ASEAN 5
- Align with:
 - ATP (WUR),
 - Water for food program (NWP) and
 - Sustainable delta's program (Deltares)

Project

- Draft PPP project proposal
- Collect financial and in-kind contribution and requirements
- Sign consortium agreement

**→ Organize workshop on ILDEX Vietnam
June 2021 (VIF International)**



THANK YOU



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