

MiniAB#Broiler - Work Package 1: Biosecurity and Hygiene Management

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INTRODUCTION

Effective biosecurity is considered the foundation of all disease control programmes

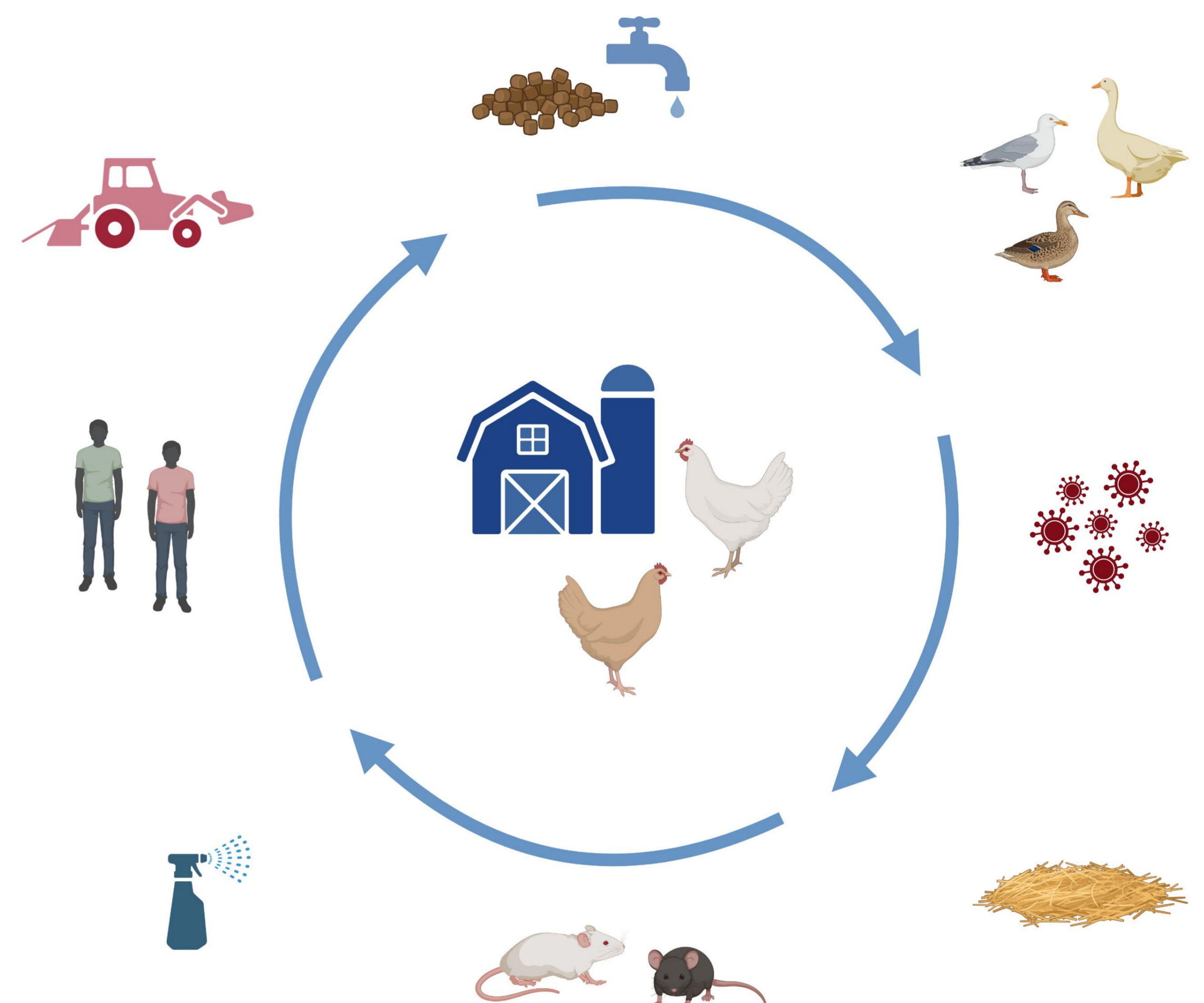
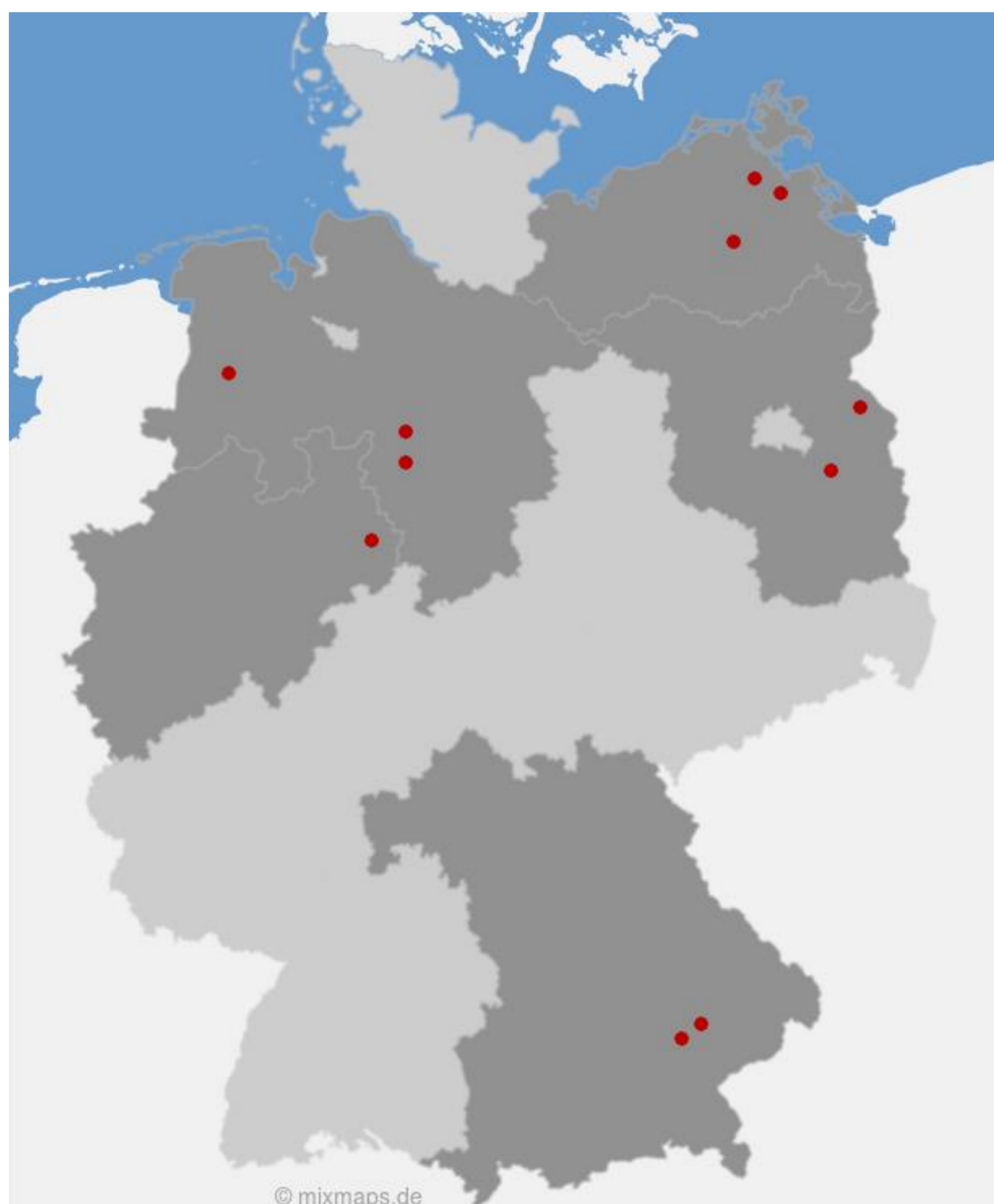
» essential in livestock & poultry production

Biosecurity & proper hygiene management have proven to have a positive impact on:

- Production numbers
- Use of antibiotics
- Animal health

MATERIAL AND METHODS

- 11 labelled & conventional farms with high & low antibiotic use in 5 federal states in Germany
- Farm and management-specific parameters are collected and analyzed
- Risk assessments and optimization analyses using the AI risk traffic light (University of Vechta)



PROJECT GOALS

Improvement of:

- Biosecurity in broiler farms
- General hygiene
- Animal health

- Minimization of the use of antibiotics
- Knowledge transfer between broiler farms with low & high antibiotic use
- Optimization of risk management based on knowledge transfer
- The implementation of improved biosecurity and impact on the use of antibiotics of participating broiler farms is investigated in a follow-up assessment.

WORK PACKAGES

1. Biosecurity of the farm and hygiene management (FLI & UROS)
2. Cleaning and disinfection (UROS)
3. Animal health and barn and herd management (TiHo & LMU)
4. Knowledge transfer (UROS)

RESULTS TO DATE & OUTLOOK

- All risk assessments so far -> risk class 1 & 2
- Knowledge transfer in the format of project meetings & "regulars' tables" with project partners and farmers
- Development of an optimized risk model tested on the basis of collected data
- Follow-up assessment coming soon

AI-RISK TRAFFIC LIGHT (UNI VECHTA)

