

A short introduction of the project

“Swine influenza A virus dynamics at pig farms” The Netherlands

25 April 2023, Evelien Germeraad, AIO

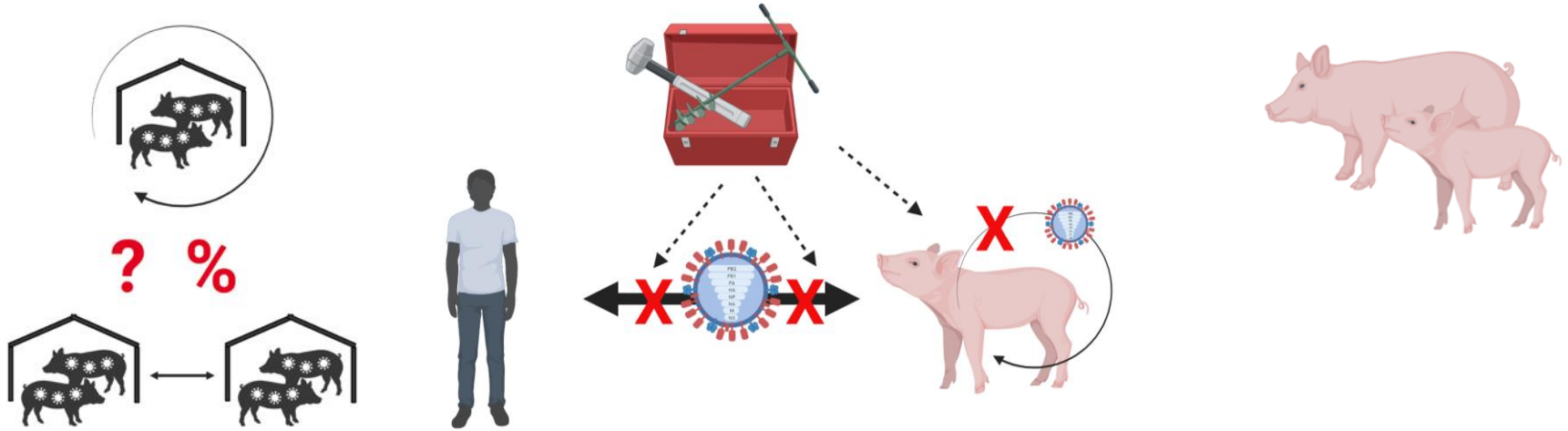


This project will be carried out in parallel with a study that focuses on inventorying swine influenza strains that are present on Dutch pig farms

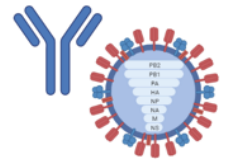
Study runs from April 2023 – March 2027

Aim project

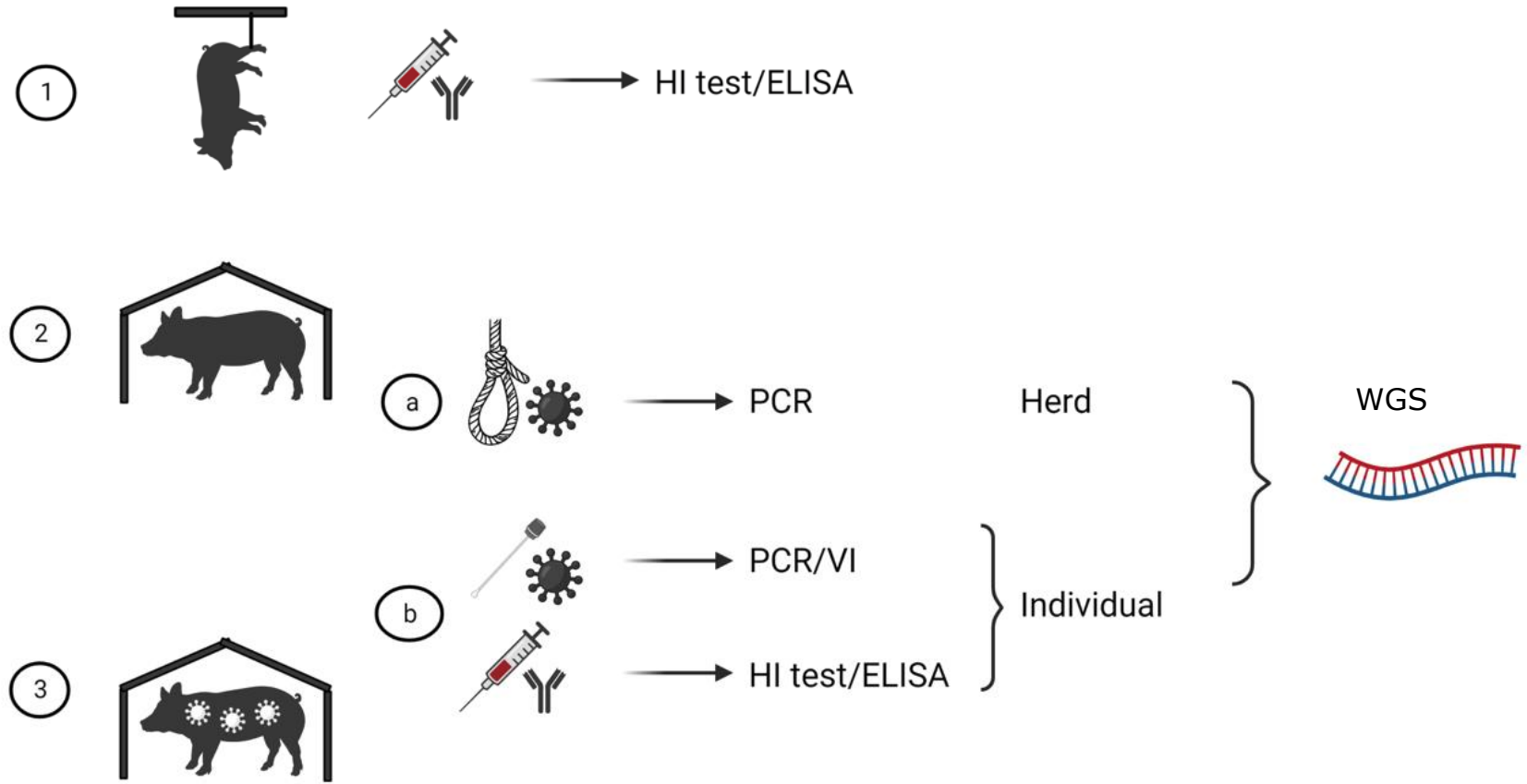
Increase our understanding of swine influenza transmission for human and animal health



and provide practical tools for intervention options



Overview project: sample collection



Overview project: data analysis

- Systematic review to screen literature on swine influenza transmission and introduction risks
- Developing a mathematical transmission model
- *In silico analysis* of different intervention strategies

- Humoral and cellular immune responses after vaccination
 - From field samples and animal studies
 - Assess immunological correlates of protection from swine influenza



Questions?



MSc. E.A. (Evelien) Germeraad
Veterinary Microbiologist

T +31 (0)320 23 86 64
evelien.germeraad@wur.nl

Wageningen Bioveterinary Research | Virology |
P.O. Box 65 | 8200 AB Lelystad | The Netherlands |
Visiting address: Houtribweg 39 | 8221 RA Lelystad |
www.wur.nl