



Ss. Cyril and Methodius University in Skopje
Faculty of Veterinary Medicine – Skopje



Presentation of the project
**GENETIC DIVERSITY OF SWINE INFLUENZA A VIRUSES AND THEIR IMPLICATION ON PIG
PRODUCTION AND PUBLIC HEALTH**

Project team and ESFLU participants

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COST ESFLU Meeting
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GENETIC DIVERSITY OF SWINE INFLUENZA A VIRUSES AND THEIR IMPLICATION ON PIG PRODUCTION AND PUBLIC HEALTH

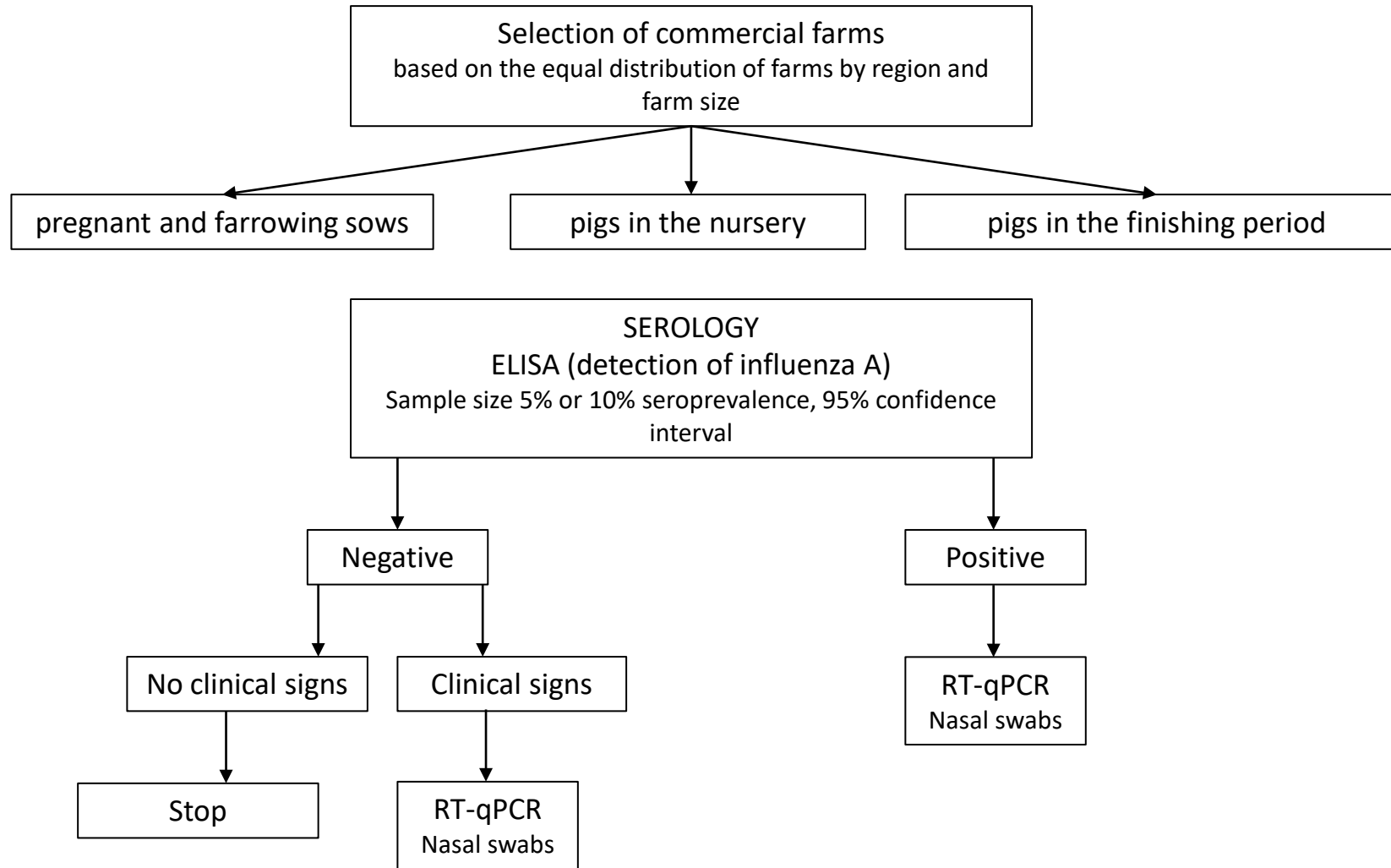
The main goal of this research project is for the first time to determine:

1. the presence/prevalence,
2. genotype (subtype),
3. phylogenetic origin, and
4. zoonotic mutations

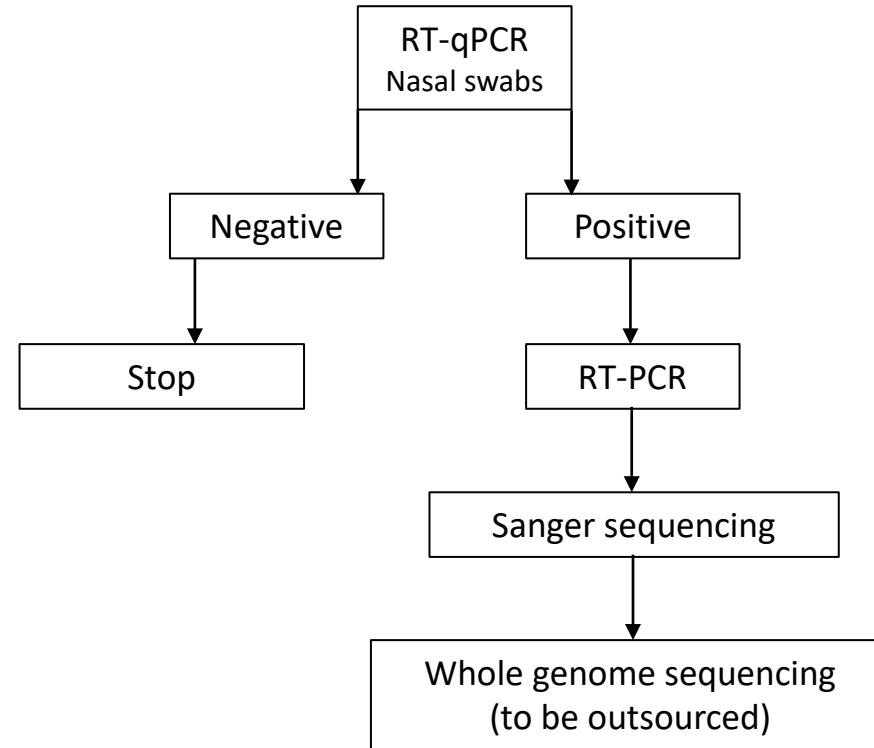
of swine influenza A viruses (SIAV) in Macedonian commercial pig farms.

Project duration 2 (two) years, 1.04.2023 – 31.03.2025

METHODOLOGY (1)



METHODOLOGY (2)



STATISTICS

Annual productive parameters such as:

- fertility,
- the number of weaned piglets,
- mortality during production, and
- the time of the finishing period

will be collected and compared between positive and negative farms to determine the impact of SIAV on the production parameters

BIOSECURITY

Assessment and quantifying of the degree of biosecurity and implemented biosecurity measures on all farms by using the Biocheck® assessment survey

Analysis of differences in implemented biosecurity measures in relation to the presence/absence of SIAV

The results of this study will contribute to:

- mapping the SIAV in the epidemiology map in Europe and also might be the basis for placing the SIAV surveillance in the regular national surveillance program in the country;
- identifying the impact of SIAV on swine production, health, and welfare
- biosecurity measures in preventing the spread of SIAV