

# EpiX Analytics ASF project in Vietnam: “EpiX ASF Risk”

**November 2019 Workshop:**

**Analyses to Inform Mitigation Options for African Swine Fever in Vietnam**



Program and slides available at:

[https://www.epixanalytics.com/EpiXASFVietnam/ASFEpiX\\_WorkshopIntro.pdf](https://www.epixanalytics.com/EpiXASFVietnam/ASFEpiX_WorkshopIntro.pdf)

# Project overview

- Objective: support efforts to mitigate the spread of ASF in Vietnam
- Two-year project (ending in June 2021)
  - Funded via a grant from the USDA-FAS
  - Project team working independently but in close collaboration with Vietnamese stakeholders (industry, veterinary authorities, university)
  - Support of the USDA-APHIS team to coordinate activities in Vietnam

# Project activities

1. Epidemiological and risk-based analyses
  - In collaboration with stakeholders collecting data (e.g. DAH, VNUA)
    - Regular webinar updates to DAH Epi on analyses
  - Using **existing data** / information from Vietnam
    - **No field visit / data collection** component
  
2. Visits for:
  - Short training courses customized for collaborators
    - 2-5 days
    - Topics depending on on-going activities, may involve external experts
  - Workshops:
    - 1-2 days
    - Review of project analyses and how they inform ASF control strategies
  - March '20, August '20, January '21, May '21

# Key team members

- EpiX Analytics:
  - Project leader and ASF expert: Dr. Solenne Costard
  - Modeling and epidemiology team
    - Dr. Francisco Zagmutt, Dr. Solenne Costard, Dr. Huybert Groenendaal, Dr. Jane Pouzou
- Epidemiology expert: Prof. Perez, U of Minnesota



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# About EpiX Analytics

- Specialized in risk and **decision modeling research, training, and consulting** – founded 2003, two offices in Colorado, US
- Research primarily epidemiology and risk modeling
- **Example government institutions EPI and FS modeling projects:**
  - USA and Canada:** CDC; USDA-ORACBA; FDA, EPA; USDA-FSIS; USDA-APHIS-CEAH; Health Canada, Canadian Wheat Board; Canadian Animal Health Coalition
  - Worldwide:** Food Standards Agency, **UK**; the Department of Agriculture and Food, **Australia**; Dutch Animal Health Service, The **Netherlands**; MPI (Ministry of Primary Industries), **New Zealand**; Safefood, **Ireland**; Scottish Agricultural College, **Scotland**; **South Korean** Ministry for Food, Agriculture, Forestry and Fisheries; The **European Food Safety Authority**; NIZO food research, The **Netherlands**
- **Key academic collaborators EPI & FS:** Hong Kong university (Pfeiffer), RVC (Pfeiffer, Fournie, Guitian), U of MN (Perez), CSU (Belk), CU (Scallan), TAMU (Morley)

# EpiX current epidemiology and food safety research portfolio

- ASF epidemiology and risk modeling
- Epidemiology of AMR in livestock
- Global nutrition and sustainability
- Food safety risk assessments (microbial and chemical)
- **In the works: USAID funded private public partnership addressing emerging zoonoses, TADs, and AMR**

# Today's workshop objectives

- Training: overview of the different purposes and applications of epidemiological, risk, and modeling methods used to inform disease control
- Discussion:
  - Understanding needs for ASF control in Vietnam
  - Review the planned project analyses



# Today's workshop

8:30	<u>Introduction</u> (Costard, Zagmutt)
9:00-9:45	<u>An overview of epidemiological methods for disease control</u> (Zagmutt)
9:45-10:00	<u>US emergency management for TADs</u> (Estrada)
10:00	Tea / Coffee Break
10:30-noon	<u>Epidemiological methods example applications</u> (Perez)
12:00	Lunch Break
13:00-13:30	Open discussion: application to ASF in Vietnam (group)
13:30-14:00	<u>Overview of "EpiX ASF Risk" project activities</u> (Costard)
14:00-14:30	Discussion VNUA activities
14:30-15:30	Discussion DAH activities
15:30	Tea / Coffee Break
16:00	Wrap-up and next steps

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