

Pig Farming 2025

Manon Houben / Nooyen Flooring
07 NOV 19



Introduction



- Swine veterinarian since 1997
- Diplomat ECPHM
- BU manager swine GD animal health



What will be happening in 2025



Partial
Solar Eclipse
Mar 29, 2025



Pig farming in 2025



ASF = African Swine Fever



- African Swine Fever
 - DNA virus, biggest virus in swine
 - Infects domestic swine, wild boar, warthog
 - Attacks the cells of the immune system
- Clinical signs
 - High Fever, Hemorrhages,
Sudden Death



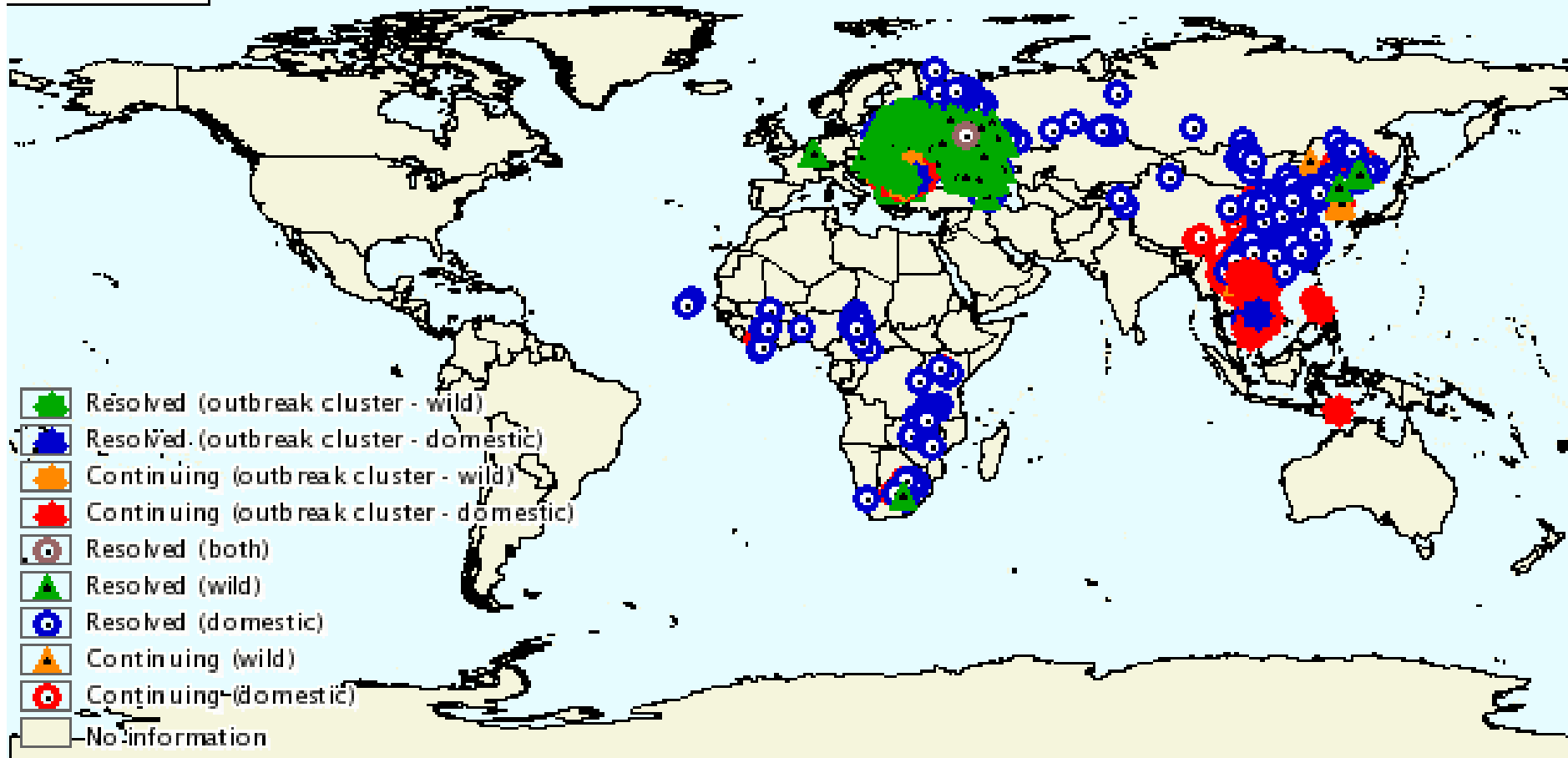
- No vaccine (yet)
- Stamping out by culling of infected herds
- Reduction of introduction risks via high biosecurity standard.



@pixers



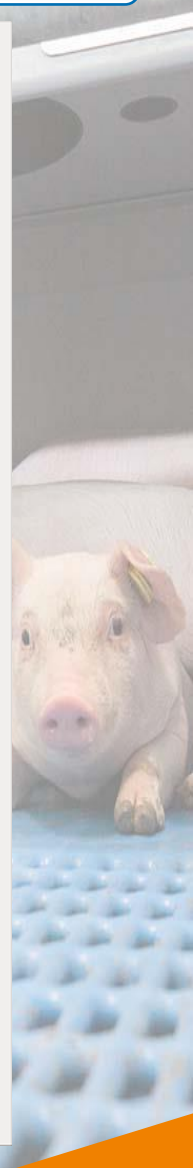
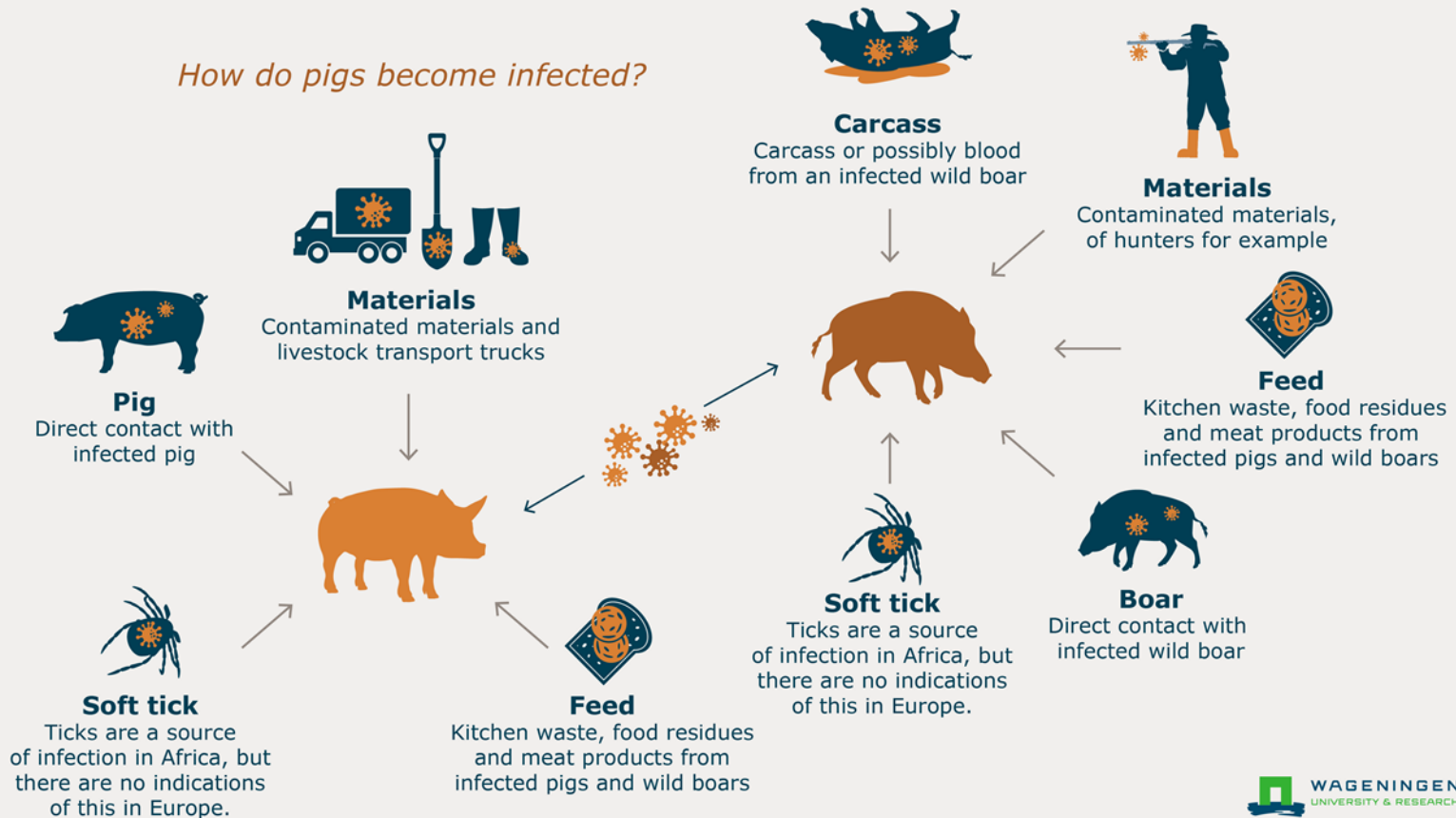
WAhDOIE © 2019



African Swine Fever

How do wild boars become infected?

How do pigs become infected?



- Back yard farming is major risk for pig industry
- Biosecurity standards applied in most (all) countries in the world are not able to prevent introduction of ASF
- Mostly due to working methods and mistakes made by people



Effect of ASF worldwide



- Reduction # pigs slaughtered worldwide
- Increasing prices of pork
- Not all pigs are culled
- More and more pork will be ASF positive




MENU ▾

SCIENTIFIC REPORTS

Article | [Open Access](#) | Published: 08 October 2019

Risk of African swine fever virus introduction into the United States through smuggling of pork in air passenger luggage

Cristina Jurado , Lina Mur, María Sol Pérez Aguirreburualde, Estefanía Cadenas-Fernández, Beatriz Martínez-López, José Manuel Sánchez-Vizcaíno & Andrés Perez



Biosecurity is the answer



The original definition of biosecurity started out as a set of preventive measures designed to reduce the risk of transmission of infectious diseases in crops and livestock, quarantined pests, invasive alien species, and living modified organisms (Koblentz, 2010).

External versus internal

Keeping the enemy out



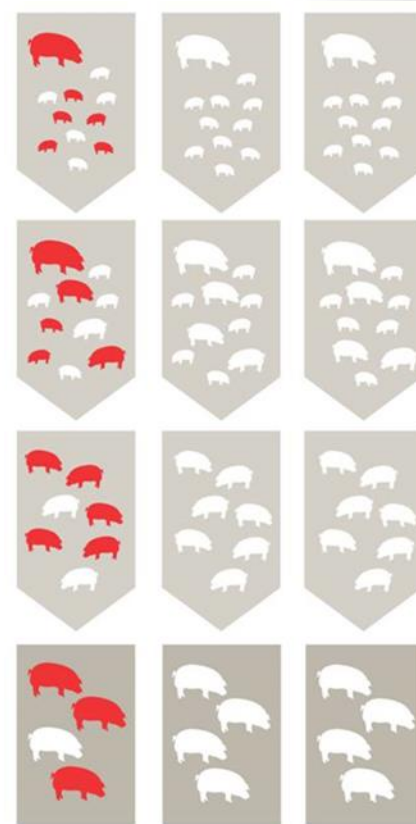
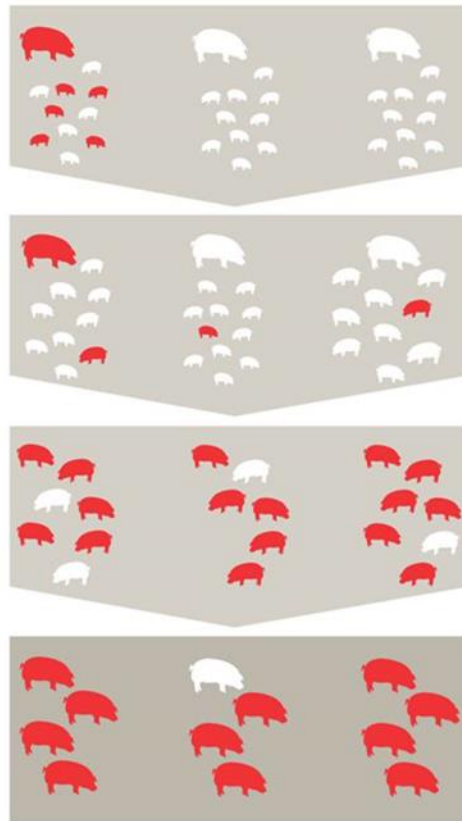
Controlling entry of people and



Why biosecurity?



- No infection means.... no disease



- Hygiene (cleaning and disinfecting)
- Batch management (no mixing of animals)
- Excellent conditions (food, water, air)
- Excellent stockman ship

Very 2019







2025



Millennials

- Flexible vegetarian
- More interest in animal welfare
- Concerns about the climate
- Healthy lifestyle and food culture



Climate

- CO₂ footprint
- Shift in vectors

Health

- Zoonosis
- Antimicrobial resistance

Welfare

- Housing
- Castration / tail docking

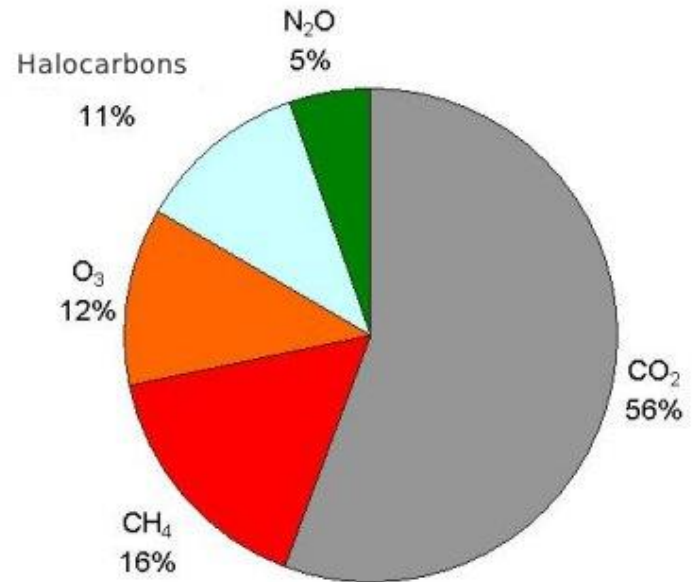


Global warming

- Green house gasses have an effect on the rise of temperature

- Challenge

- Reduction of CO₂ footprint



- Reducing nitrogen in animal diets
- Manure management, including solid-liquid separation
- Improving animal health status

Improving feed efficiency



Climate change



Healthy animals (anno 2025)



- SPF herds
 - Free from.....
- Result:
 - No spoiling of energy and proteins to fight infections
 - No antibiotics → No antibiotic resistance
 - No vaccinations



- Higher ADG
- Lower mortality
- Lower feed conversion rates



Housing conditions



Farm layout

Multi site

Easy to clean and disinfect

Logical design of routing

Preferable all in – all out per location

MANAGED BY A PROFESSIONAL MANAGER

NO CONCESSIONS TO THE HEALTH STATUS



- SPF yields an annual benefit
 - 1,000 sow herd
 - more than € 350,000,
 - more than € 250,000 in the finishing phase
-
- Most important drivers are FCR and Feed prices.



Animal welfare



- In relation to housing – rooting behaviour



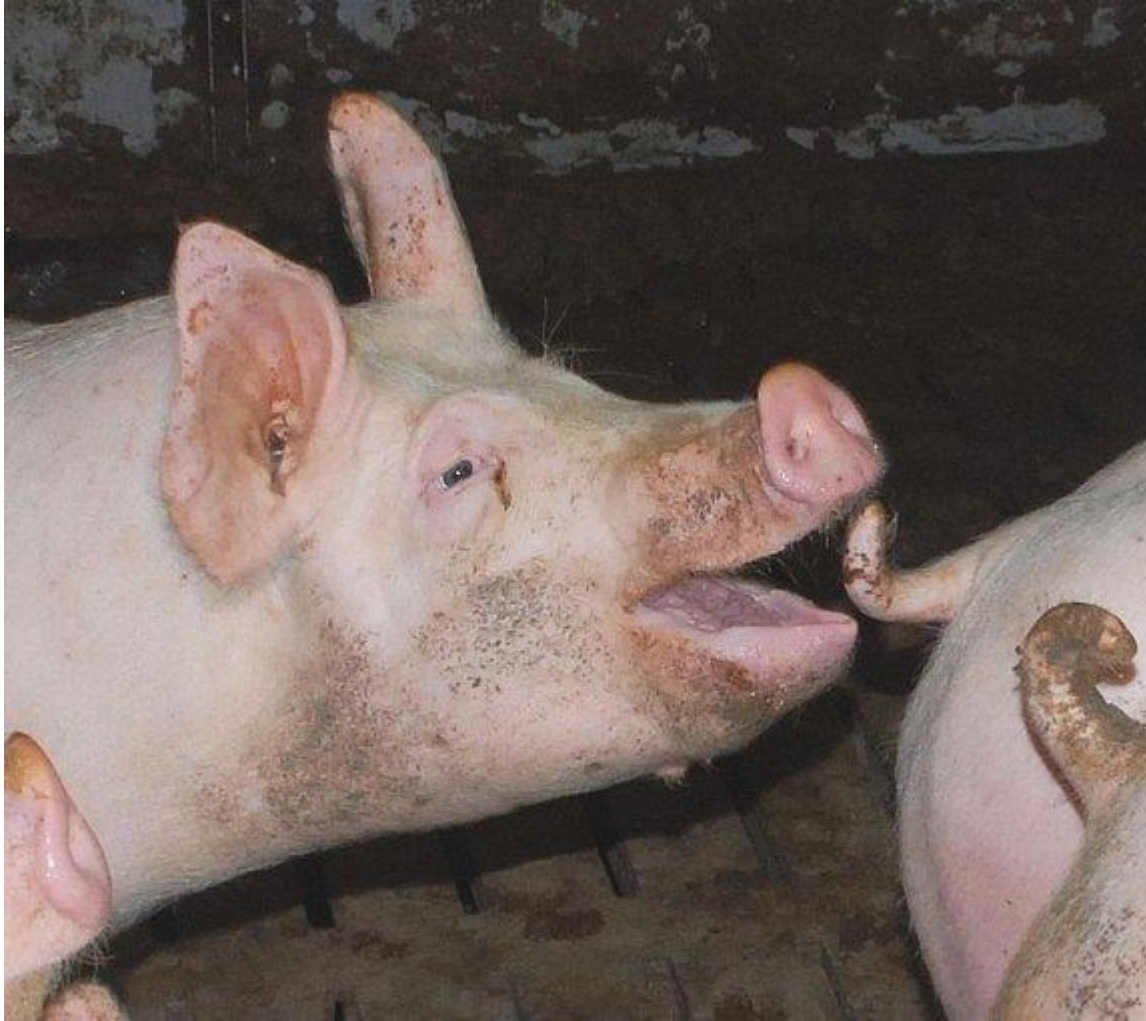
Challenges



- Lameness and OCD



Tail biting and Ear necrosis



- Milenials will change the world
- Housing condition should include answers for
 - Climate Change,
 - Animal Welfare and
 - Animal Health



Dank u voor uw aandacht

