Controllo integrato della PRRS e utilizzo degli strumenti

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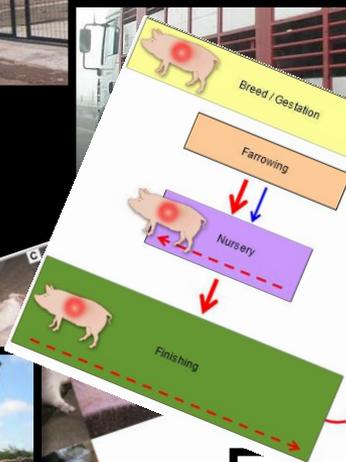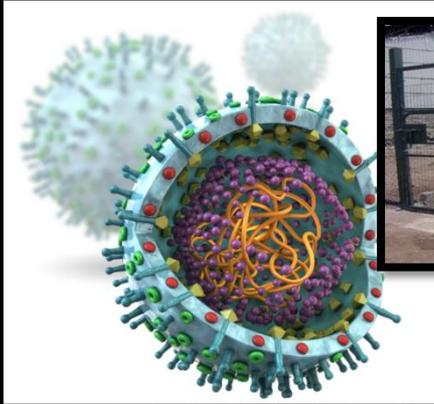
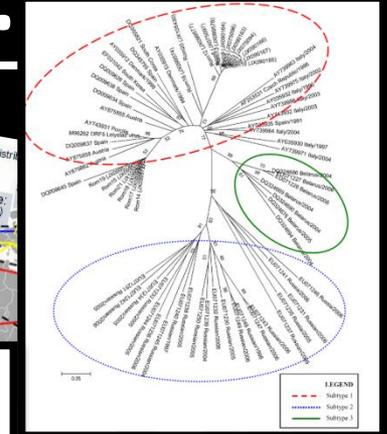# I numeri della PRRSv

Le differenti faccie della PRRSv.
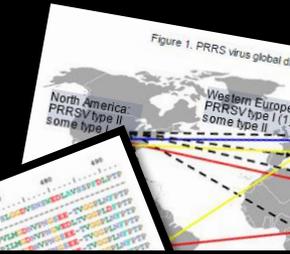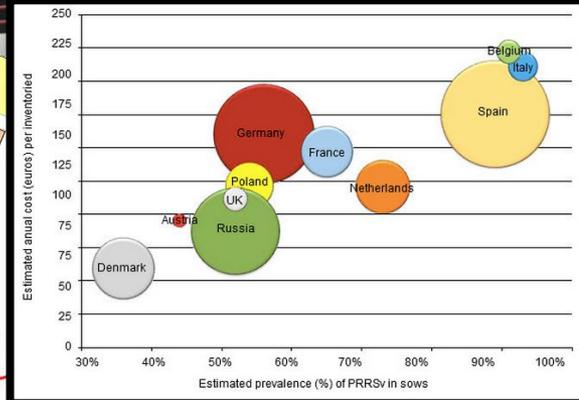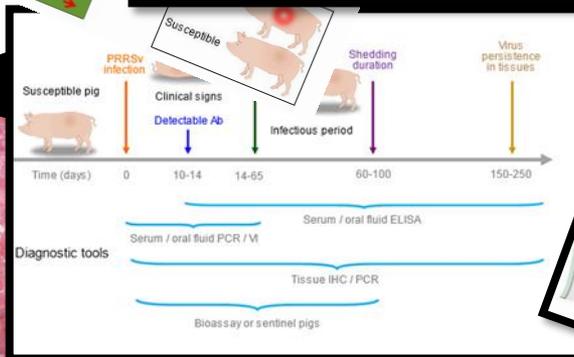
Oltre a differenti opzioni di controllo PRRSv

Regional Control

Depop/Repop

Biosecurity

Herd Closure
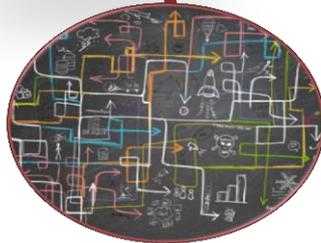
(MASS) VACCINATION

Gilt Management

McRebel

Eradication

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Che cosa abbiamo imparato?

ResPig®
Management System

- Dopo 26 anni la PRRS risulta essere ancora malattia responsabile di consistenti danni economici a livello globale

- La PRRS e una patologia complessa
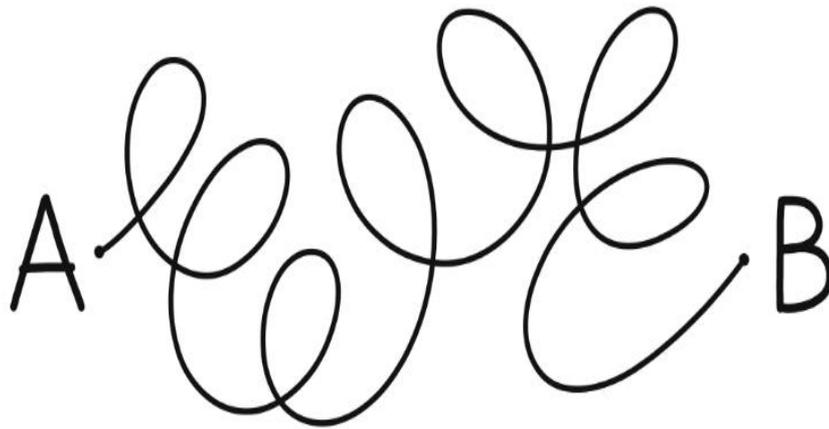
- Non esiste un approccio unico per il controllo della malattia

There is no one size fits all solution

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Come semplificare la complessità?

I capitoli importanti del controllo della PRRS

☐ **Biosecurezza** 1

Obbiettivo – ridurre il rischio del ingresso del virus dall'esterno (B. esterna) o della circolazione attiva all'interno dell'azienda (b. esterna)

Figure. Main biosecurity factors to bear in mind in the control of the PRRSV circulation among the sows
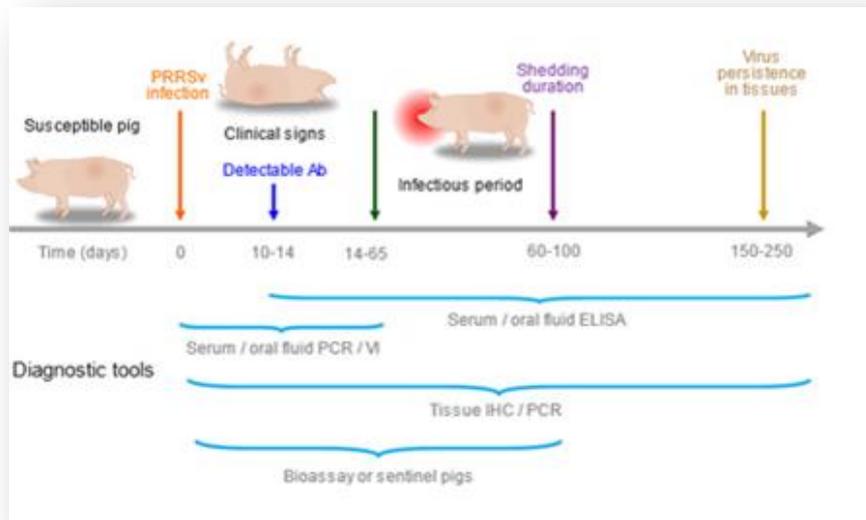
Drs E. Mateu & C. Prieto; Q&A about PRRS – The Expert Opinion, 2016
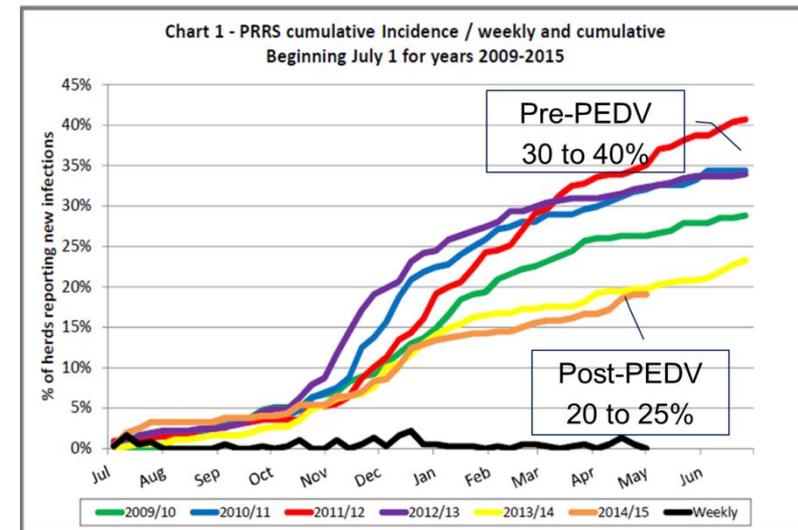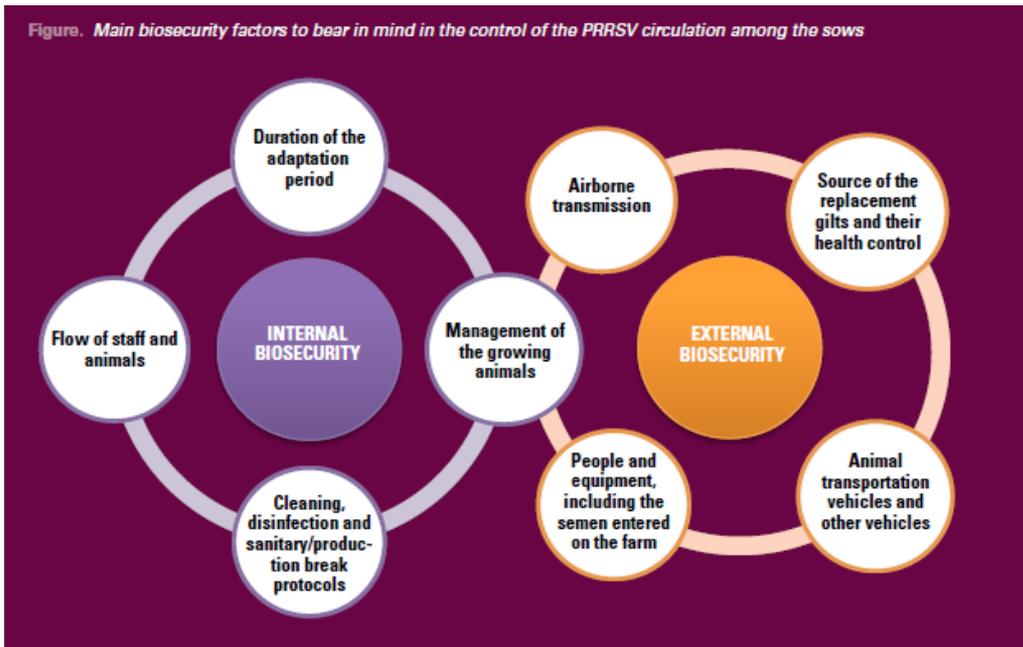
Courtesy Dr D. Holtkamp, 2015

☐Diagnosi

Obbiettivo – verificare e monitorare la presenza e circolazione del virus in allevamento attraverso la sierologia e la PRC.

Cano, www.pig333.com, 2013

☐ **Classificazione dell'azienda**

Obbiettivo – classificare l'azienda sulla base della esposizione e circolazione per la successiva implementazione del piano di controllo

Figure 1: Breeding-herd classification for porcine reproductive and respiratory syndrome virus (PRRSV) according to shedding and exposure status.

Herd category	Shedding status	Exposure status
Positive Unstable (I)	Positive	Positive
Positive Stable (II-A)	Uncertain	Positive
Positive Stable (II-B) (Undergoing Elimination)	Uncertain – undergoing elimination	Positive
Provisional Negative (III)	Negative	Positive
Negative (IV)	Negative	Negative

Holtkamp et al.; JSHAP – Jan/Feb 2011

☐Strategie di intervento

Obbiettivo – impostare un piano di intervento specificamente riferito ad una specifica azienda.

Biosecurity   Management   Vaccination

Economics   Goal   Risk

☐ **Monitoraggio** 5

Obbiettivo – Confermare che l'obbiettivo definito è stato raggiunto

Table. *Monitoring of a PRRS control program according to its stage of development.*

Stage of the program	Parameters	Number of animals	Goal
Ending of the reproductive clinical signs	**Primary** • % of sows with abortions (> 70th day of gestation) • % of premature/late farrowings • Total born, live born, stillborn and mummified piglets • Piglets with a low birth weight or with a low viability **Secondary** • Suckling piglets mortality • Mortality in the nursery • Runts at weaning	Farm records	Return to the previous records (bear in mind the average and standard deviation of at least the 6 previous months)
Stabilization	• Clinical signs (reproductive mainly) • PCR testing of the piglets at weaning	Take samples of all the litters of a farrowing batch: at least 1 piglet from each litter (2 preferably), better from the weakest piglets in the litter. Repeat at least for 2-3 consecutive months.	• Absence of clinical signs • Piglets virologically negative
Negativization	• Absence of antibodies	≥ 60 sows (classify them by parity) and 60 pigs at the end of the fattening period	• All the farm is seronegative

Drs E. Mateu & C. Prieto; Q&A about PRRS – The Expert Opinion, 2016

☐ Costo/beneficio

Obbiettivo – calcolare con accuratezza il costo iniziale della malattia e il ROI conseguente alle differenti strategie di controllo.

Estimating the costs of Porcine Reproductive & Respiratory Syndrome (PRRS) and return on investment of interventions with a PRRS economic simulator

Nathues C[1], Alarcon P[2], Rushton J[2], Schüpbach-Regula G[1], Jolie R[3], Fiebig K[4], Jimenez M,[5] Geurts V[6], Nathues H[7]

[1]Veterinary Public Health Institute, Vetsuisse Faculty, University of Bern, Switzerland, [2]Veterinary Epidemiology, Economics and Public Health Group, Royal Veterinary College of London, United Kingdom, [3]Merck Animal Health, New Jersey, USA, MSD Animal Health, [4]Germany, [5] The Netherlands, [6]Spain, [7]Clinic for Swine, Vetsuisse Faculty, University of Bern, Switzerland

La APP

La bibliogarfia e il simulatore economico

Ed ora passiamo alla fase interattiva