

Farm Data-Based Strategies in Reducing PRRS Impact in the Farm

**MingHsun(Alex) WU
Regional Technical Manager, Asia and Oceania**

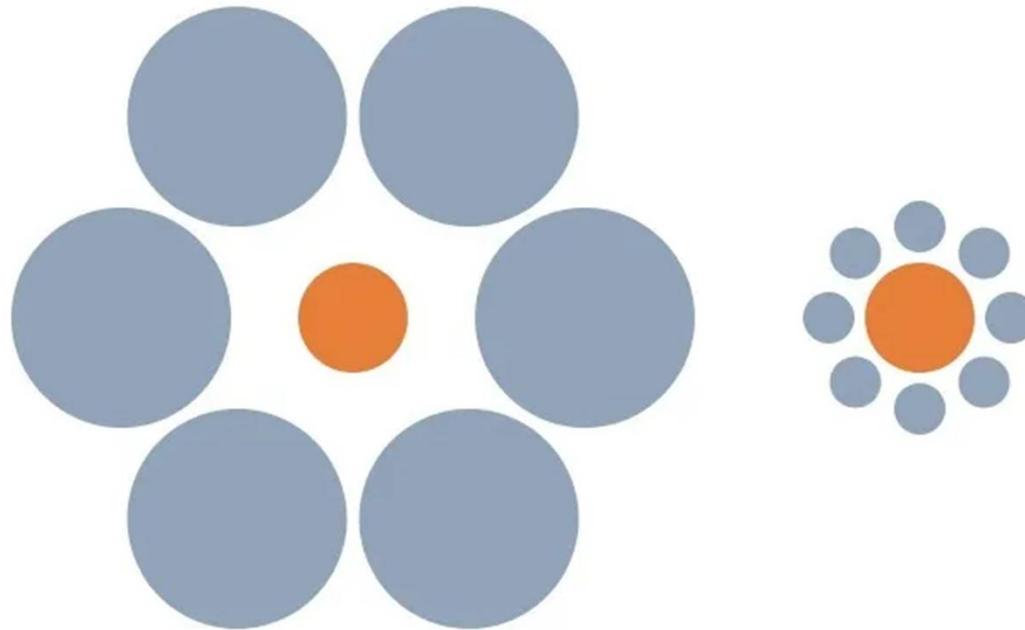
HIPRASTATS

- Data analysis based on science



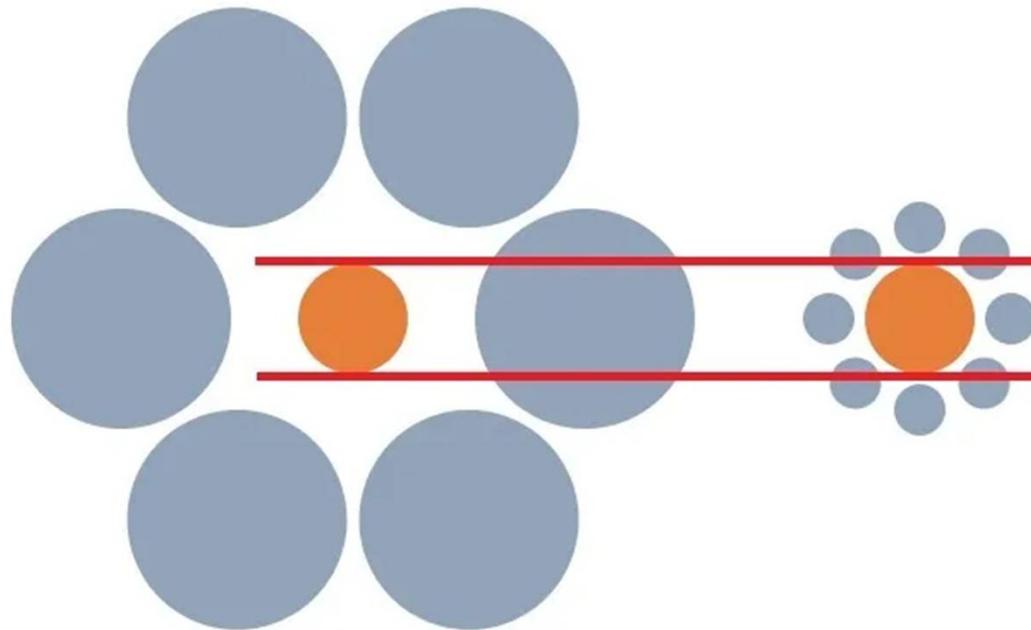
HIPRASTATS

- Which orange circle is bigger?



HIPRASTATS

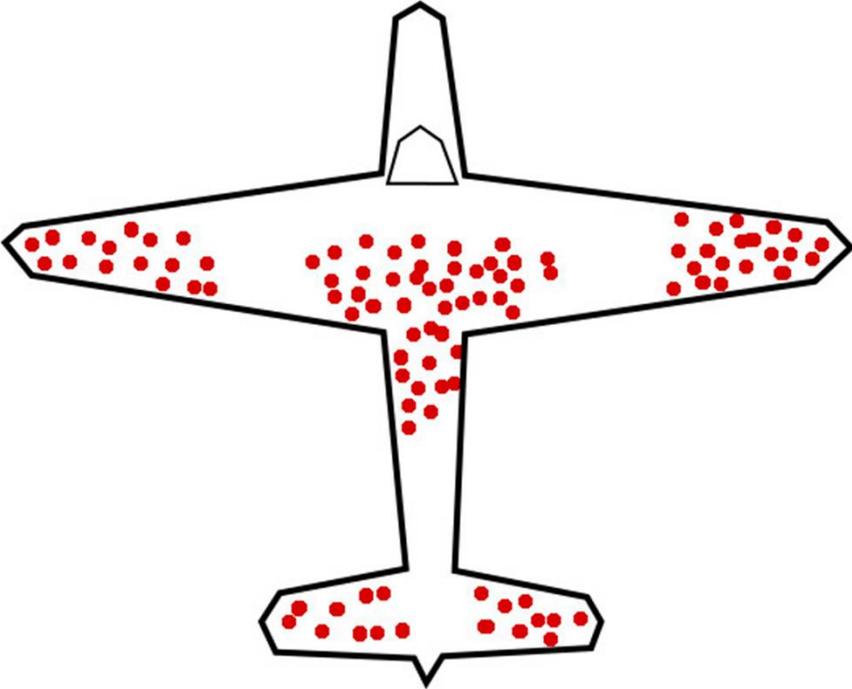
- Which orange circle is bigger?



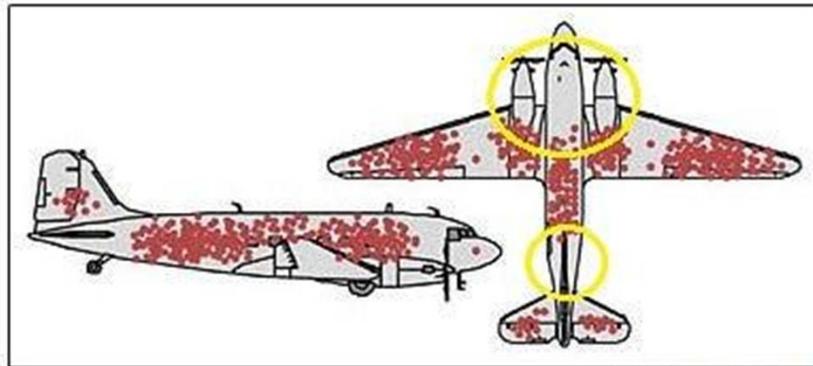
HIPRASTATS



HIPRASTATS

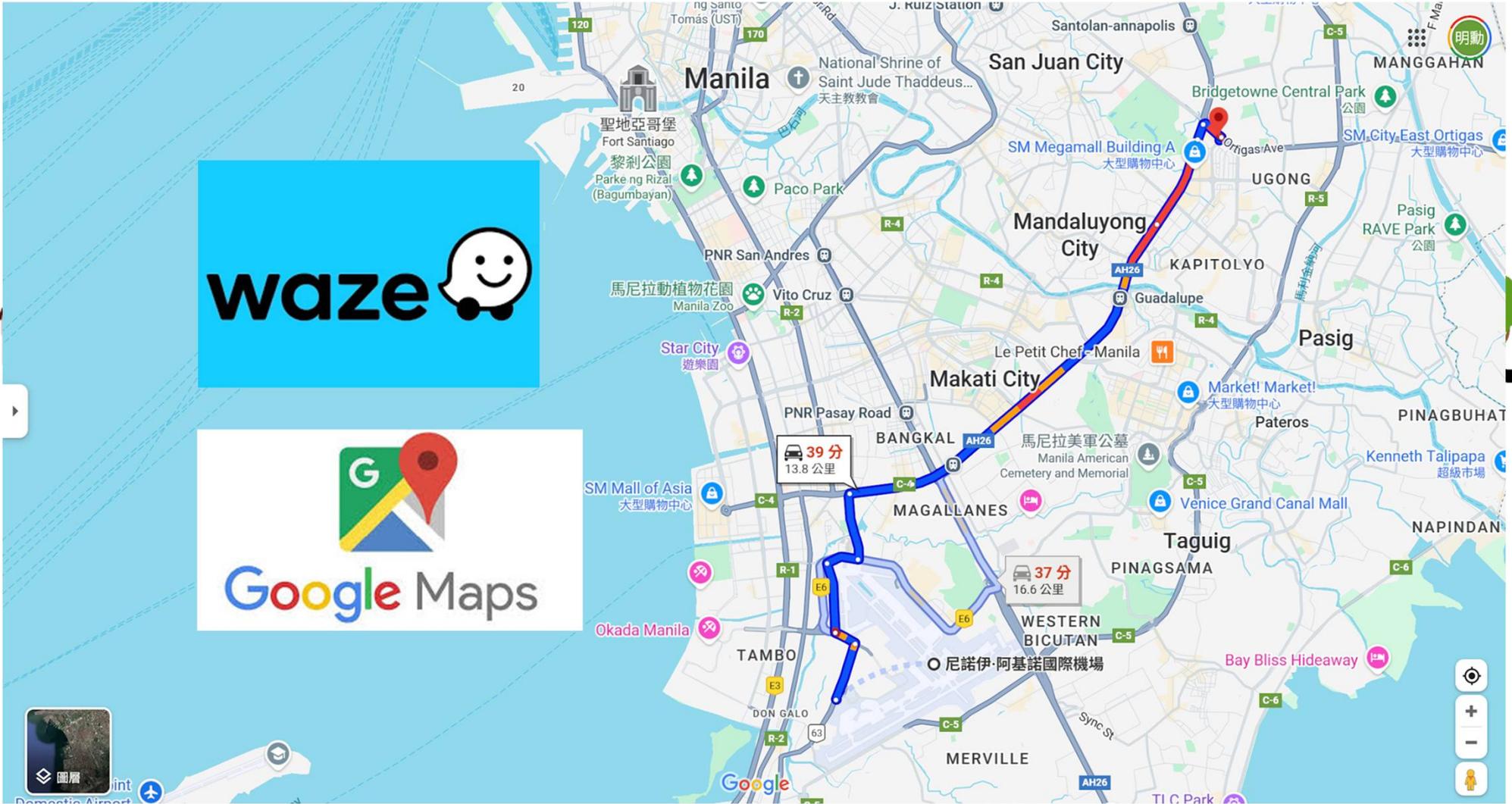


HIPRASTATS



Credit: Cameron Moll

Gentlemen, you need to put more armour-plate where the holes aren't because that's where the holes were on the airplanes that didn't return - Abraham Wald 1942.



HIPRASTATS

HIPRASTATS make sense of data to empower decision making, enabling a future of animal production efficient and





Customized PRRS Monitoring
and Control Project in Spain





CUSTOMER BACKGROUND

D

3rd Spain:
90.000 sows
85 farms



CUSTOMER BACKGROUND

3rd Spain:
90.000 sows
85 farms



CHALLENGE

**How is the PRRS
behaviour in my
farms?**



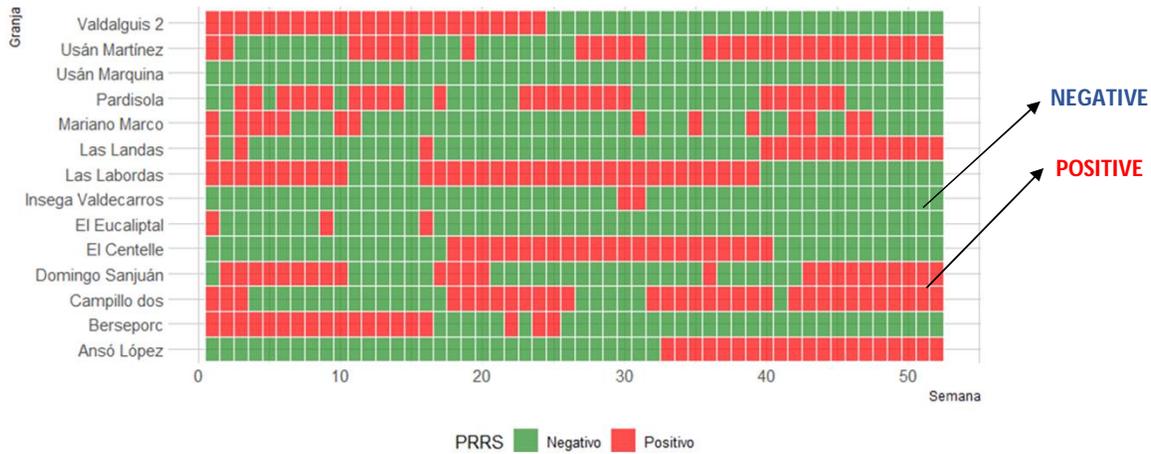


Feb.22

CUSTOMER
BACKGROUND

CHALLENGE
S

What is the health situation regarding PRRS in my farms?
Monthly samples by farm



Herd category	Shedding status	Exposure status
I) Positive Unstable	+	+
II-A) Positive Stable	?	+
II-B) Positive Stable (undergoing elimination)	?	+
III) Provisional Negative	-	+
IV) Negative	-	-

TOGETHER
Programme



CUSTOMER
BACKGROUND



CHALLENGES



Jun.22

What are the biosecurity measures that have the greatest impact on “MY COMPANY”?
Survey responses are related to the % of positive weeks



1. Replacement diagnostics (before/after quarantine)
2. Differentiation between clean/dirty areas on the farm
3. Let the trucks enter the farm
4. Truck cleaning
5. Nearest pig farm



Feb.22

CUSTOMER
BACKGROUND

CHALLENGE
S

What is the impact of PRRS on the integration?



↑1,44
Weaned piglets/sow/year



CUSTOMER
BACKGROUND

CHALLENGE
S

What is the impact of a PRRS outbreak?

Abortions

BA piglets/litter

Weaned piglets/litter

BA ratio

Diagnostic results

*PCR negative
weeks before
outbreak*

*Time-to-baseline production
(TTBP)*

*Recovery
baseline
production*

Baseline

PRRS outbreak



CUSTOMER
BACKGROUND



CHALLENGES



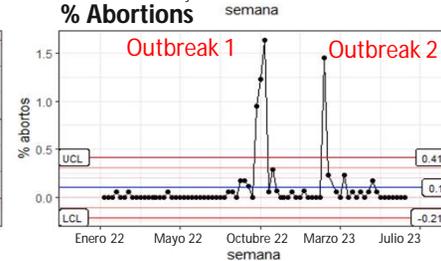
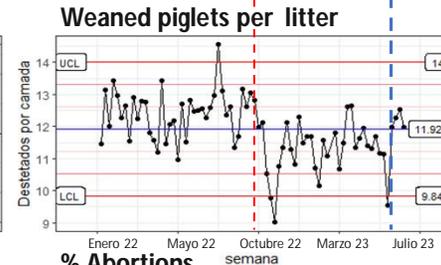
Jul.23

What is the impact of a PRRS outbreak in a Site 1 farm?

Start
outbreak

End
outbreak

Aragón
1781 sows
Weekly batches
Rosalia outbreak
Start outbreak: start
Sep – Oct 2022



Farm 1
1781 sows: - 3.710 piglets
(-133.560€)*



Feb.24

CUSTOMER
BACKGROUN
D

CHALLENGE
S

What is the impact of different PRRS outbreaks?

	TTBP (time-to-baseline production)	Weaned piglets/litter Basal	Litters in outbreak	Weaned piglets/litter outbreak	Outbreak cost
Farm 2	20	13,14	1862	10,22	195.733,4€
Farm 3	20	12,76	2001	10,04	195.937,9€
Farm 4	15	13,56	1146	12,85	29.291,76€
Farm 5	71	12,42	5112	11,78	133.560€

Weaned piglet cost: 36€



Feb.24

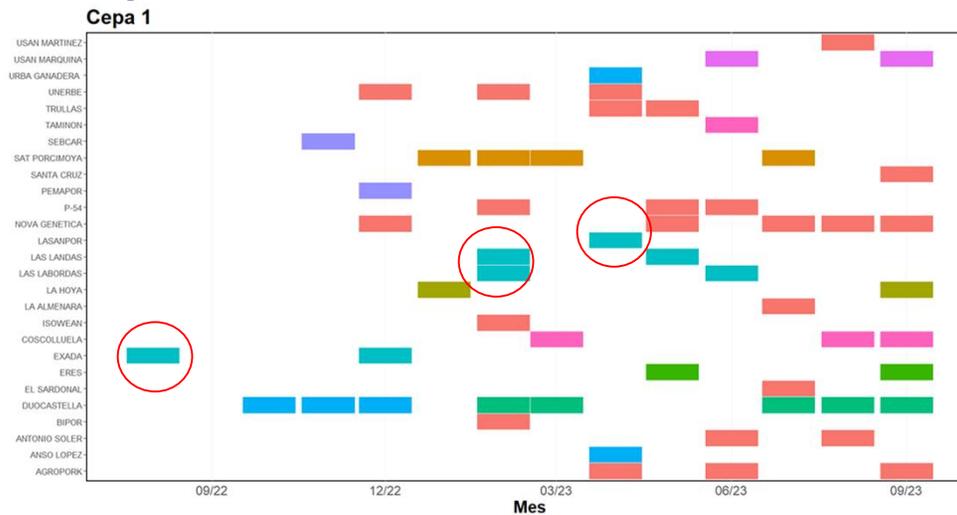
CUSTOMER
BACKGROUND

CHALLENGE
S

What is the origin and path of the different strains in the

**Rosalía
Strain**

Same colour when similarity
between strains higher than
98%





CUSTOMER BACKGROUND



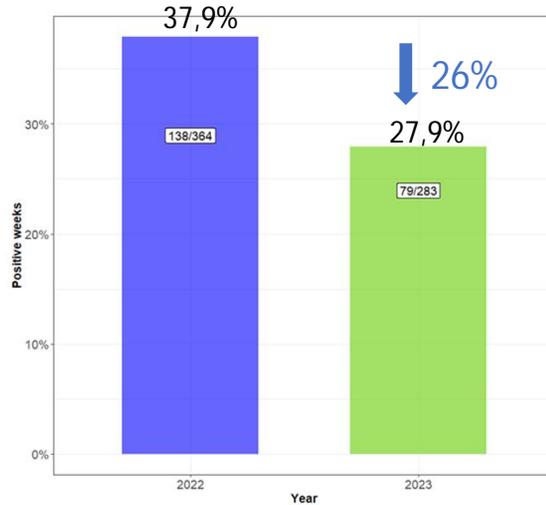
CHALLENGES



SOLUTION

Feb.24

How has this company improved with the Together program?



Reduction of PRRS PCR

26%

**Increase MSY
1.1
Profit!!**



CUSTOMER
BACKGROUND

CHALLENGES

SOLUTION

Next steps with the company

- Risk factors related to length and severity of PRRS outbreaks
- Evaluation of PRRS vaccination in piglets
- Evaluation of INFLUENZA STATUS → INFLUENZA vaccination

HIPRASTATS

- Precision farming need good data
- Good quality data analysis is key for the right decision making
- HIPRSTATS is service we offer you to know based on science, not feel what happen in my farm

HIPRA

Building Immunity
for a Healthier World
