

The French experience, upstream of the pig chain

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Our job is to valorize the living





COOPERL: 9 Activities, both complementary and interconnected, :: from upstream to downstream of the pig chian



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COOPERL: segmentation strategy/higher value



: Certifications:

Organic GMO Free antibiotics Welfare Environmental certification Free pesticides Low GHG

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2030: the major challenges

Animal Health and Welfare
Public Health
Pollution / Eutrophication
Pesticides & Biodiversity
GHGs & Climate Change
Critical resources (water, soil)
Regional planning





Certified B Corporation Corporate Social Responsibility: a key element of Cooperl's strategy





The example of the antibiotic free pigs production



Key figures

- 2013 : proof of concept, 100 000 pigs, 30 farmers
- 2014 : beginning of the AFP, 1 Million pigs, 300 farmers

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Today : 3 Millions of pigs, 800 farmers, 50% of the pigs Antibiotic use 2022 : -73% c/w 2014



How did we manage it?



To succeed, firstly set the foundations

Involve all stakeholders to innovate

Evaluate each farm through an "access" audit

Build the monitoring tools & alternatives

Avoid failures... in order to gain trust

Enlarge and expand the project

1. To succeed, firstly set the foundations



2008 : Cooperl starts R&D to ban castration and offers farmers to produce entire males

2012 : Cooperl decided to stop the antibiotic supplementation in fattening feed

Formulation of ATBfree-adapted post-weaning feed





Development of the Lawsonia vaccination

1. To succeed, firstly set the foundations

" Farm Level: without antibiotic nor growth factor Insuring high level of gilts and boars

Health status of our reproductors

GGP/ GP Farms under air filtration

Transport under air filtration

Regular monitoring of diseases



GGP animals free of:

- PRRS
- Mycoplasma hyopneumonia
- Actinobacillus pleuropneumonia









2. Involve all stakeholders to innovate



ANIMAL

Genetics, physiological stage, age, backfat thickness, immunity, ...





Batches, hygiene of the animals, equipment, ...

Our global approach of animal health

3. Evaluate each farm through an "access" audit

Visit each farm with the tech. to evaluate:

- Zootechnical practices
- Buildings
- Ventilation, water quality
- Internal biosecurity

Objectives

- Highlight the risk factors
- Classify the farms (quantify the risk)
- Make a decision:

. . .



"OK we can try to stop ABs but I advise you to improve"









3. Evaluate each farm through an "access" audit



... And analyze the results of the farms to advice better

Incidence of health issues in relation to the potability of the water

100%

Importance of the <u>drinking water</u> in the ATB free pig production





3. Evaluate each farm through an "access" audit
... Farm Level: without antibiotic nor growth factor
Adapt the feeding program to the needs of the animals





4. Build the monitoring tools & alternatives





5. Avoid failures... in order to gain trust





Begin easy: No ATB in feed but possible tu use them before 42 days of life

Be reasonable: Treating sick animals is necessary





5. Avoid failures... in order to gain trust

- The farmer must **earn money**

| Group | ALEA + | ALEA - |
|---------------------------|--------------------|----------------------|
| Level of biosecurity | 86,8% | 99,3% |
| Number of sows per farm | 268 | 265 |
| Margin/feed cost (€) | 907,83 ª | 1103,14 ^b |
| Health expenses (€) | 111,3 | 122 |
| Vaccines (€) | 66,3 | 77,1 |
| Injectables (€) | 12,3 | 14,3 |
| Supplements (€) | 11,26 ^b | 7,69ª |
| Pigs produced/sow/year | 23,33 ª | 25,1 ^b |
| Consumption rate (8-115j) | 2,4 | 2,39 |
| Losses rate PW&F (%) | 6,99 | 5,86 |

ALEA + Higher Animal Level of Exposure to Antimicrobials ALEA - Lower Animal Level of Exposure to Antimicrobials

6. Enlarge and expand the project



- With first success, trust and money, everything is easier
 - Add new "harder" farms
 - Continue to the ATB-free production since birth

Newborn piglets are wet, light and must fight before getting energy.



Weak digestive system

No immune defenses

No thermal protection

6. Enlarge and expand the project



Objective: Qualify an innovative method to collect air in farm for a rapid, early and targeted diagnosis of infections on pigs





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Fraternité

GOUVERNEMENT

No pain to pigs ⇒ animal welfare Very quick analysis Portative system

 \Rightarrow Early detection



Trials in progress on Cooperl farms





The antibiotic free pig production, a success story made possible by:



Conclusion: ATB-free reality or chimera?



What is the future of antibiotic-free production?

Antibiotic-free pig farming has become standard practice. Eventually, this standard will become part of a more global approach to responsible production, taking into account other issues such as animal welfare and decarbonization.

Do you foresee the market share of antibiotic-free production to become higher in the future?

As a new standard, it will become the foundation on which to build our development and increase our market share.

What is need to incentivize this type of production and make it sustainable?

- Explain why
- Show how
- Reassure, support
- Step back and take a global view
- Continuously measure progress and the value created
- Don't stop at the first hurdle, and learn from your failures, at both farm and collective level.

Innovation is crucial: covers all pig chain

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Innovation axes have to find solutions to reach sustainability









THANKS TO



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