

# Swine veterinary medicine in France

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RESEAU CRISTAL  
EXPERTS EN SANTE ANIMALE

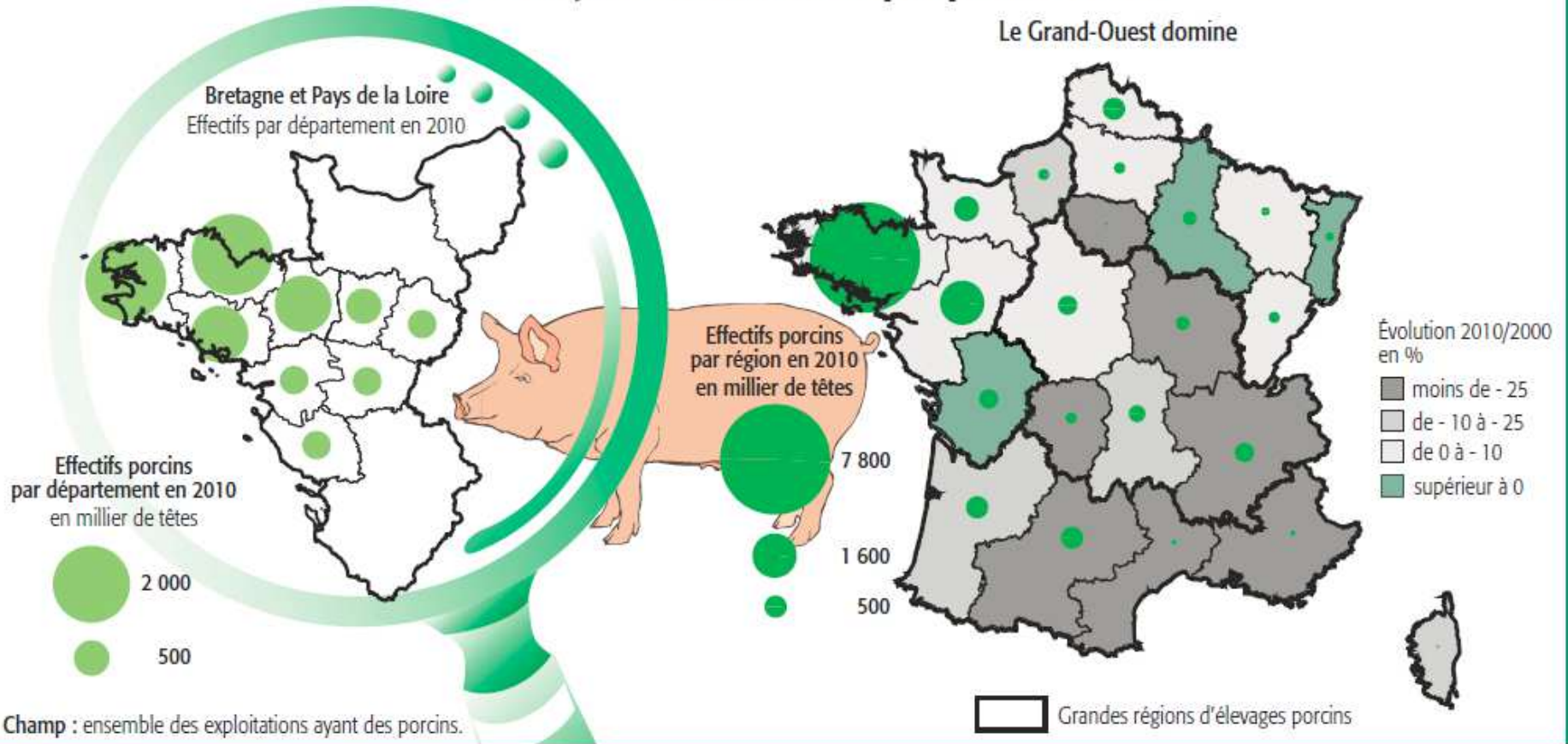


- ▶ Swine Population, french swine production model
- ▶ Swine Vet population
- ▶ Veterinary Drugs: prescription and sales
- ▶ Antibiotics : ecoantibio , global results and results in swine
- ▶ Where I practice
  - ▶ Groupe Cristal
  - ▶ Dayly practice
- ▶ Animal Health challenges in France
- ▶ Societal challenges in France

# Swine population in France

## Présence toujours effective du cheptel porcin à l'ouest

Le Grand-Ouest domine

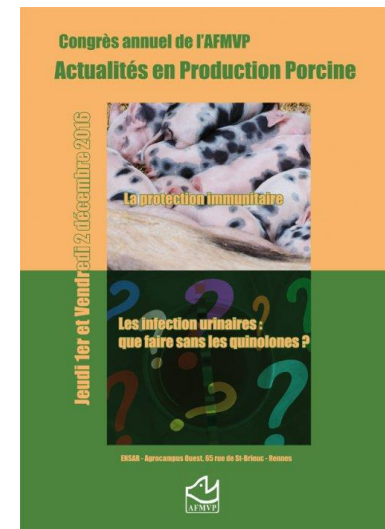


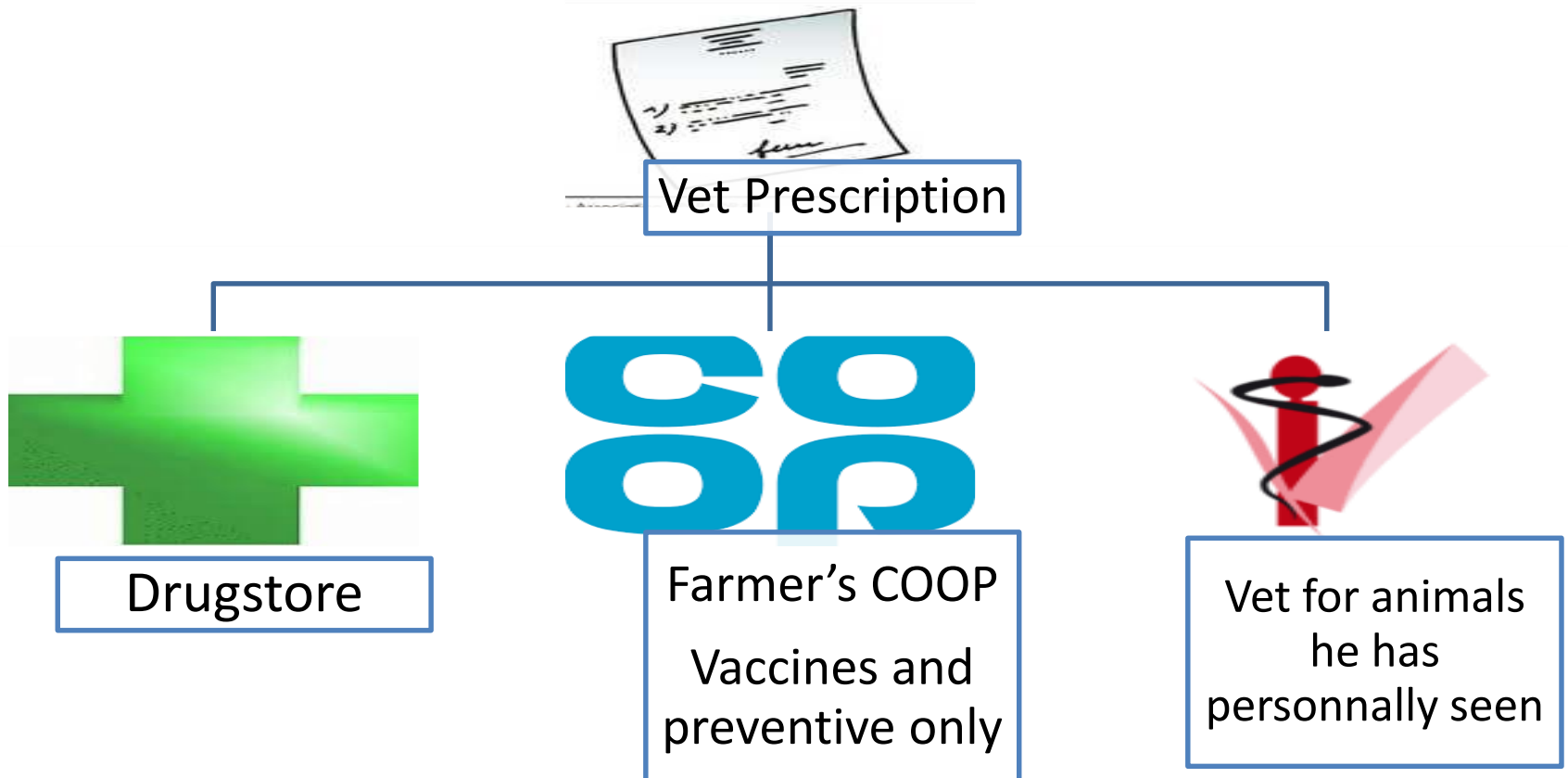
Source: SSP – Agreste – Recensements agricoles 2000 et 2010

- 2010: 12 million pigs, roughly 1,1 million sows.
- Trend: -- -2% yearly in number of sows/slaughters

- ▶ In 2010, 50% farms were farrow to finish: dominant model. Collective breeding farms are developing (mutualising investment in welfare housing of the sows)
- ▶ Size of farms is growing, number is reducing:
  - ▶ Average Farrow to finish size farm 2015: 230 sows
  - ▶ Average breeding farm : 550 sows
- ▶ Organized mostly in large Cooperatives
- ▶ Economy: Local production strong, very few importation of piglets . Importation of gilts/boars has progressed.
  - ▶ Due to this geographical/economic situation, France is (relatively) less exposed to epidemic dangers, particularly: no type 2 PRRS, only 4 reported cases of PED (european INDEL low virulent).
  - ▶ PRRS is managed regionally, and with strict control of AI centers.

- ▶ We are around 150 in France, mostly specialized in swine health
- ▶ We can work as hired vets for a Cooperative (feed or swine production) or as liberal vets.
- ▶ Number of farms followed by one vet is very variable: from 50 to 120...
- ▶ Association of french veterinary medicine AFMVP
  - ▶ One congress each year in december
  - ▶ Technical days shared with 2 other technical vet associations SNGTV AVPO





## Prescription conditions

After clinical  
examination

- For 10 days
- Generally not renewable

Without clinical  
examination

- Yearly health audit with treatment schemes
- Ensure regular vet care or at least one follow up visit

Critical antibiotics  
(3&4G  
Cephalosporins +  
fluoroQ)

- Clinical exam and bacteriological exam
- Reevaluation every 3 months

## Prescription of antibiotics

- ▶ ECO ANTIBIO plan 2012-2017
  - ▶ Promote and sensitize
  - ▶ Find alternative treatments
  - ▶ List and control bad usage
  - ▶ Monitor use of antibiotics
  - ▶ European cooperation and local initiatives
- ▶ Target: - 25% reduction in antibiotic use
- ▶ Practically:
  - ▶ Commercial action: no possible discount on Antibiotic sales at any level since 01/01/2015
  - ▶ Vet sales reporting are planned in legal texts... but not yet effective
  - ▶ Collective actions from every level contributed to success...



Le plan écoantibio2017  
prévoit un usage prudent et raisonné  
des antibiotiques se traduisant par :

des objectifs quantitatifs...

La réduction de 25 % de l'usage des antibiotiques  
en médecine vétérinaire en 5 ans : seules les quantités  
appropriées strictement nécessaires aux animaux doivent être  
prescrites et administrées.

... et qualitatifs

Un effort particulier de réduction des antibiotiques d'importance  
critique en médecine vétérinaire, notamment les fluoroquinolones  
et les céphalosporines de 3<sup>e</sup> et 4<sup>e</sup> génération.





MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION

## LE PLAN ÉCOANTIBIO



### RÉDUIRE L'UTILISATION DES ANTIBIOTIQUES VÉTÉRINAIRES

Un enjeu mondial pour la santé humaine et animale

#### BILAN DU PREMIER PLAN 2012-2016

# -37%

d'antibiotiques vétérinaires  
utilisés en 5 ans,  
toutes filières confondues



#### L'ANTIBIORÉSISTANCE

*C'est la faculté des bactéries à résister aux antibiotiques : ils ne détruisent plus les bactéries et ne permettent plus la guérison.*

*L'utilisation prudente et responsable des antibiotiques par les vétérinaires et les éleveurs limite les risques d'antibiorésistance.*

**NOMBRE DE DÉCÈS HUMAINS PAR AN LIÉS À L'ANTIBIORÉSISTANCE**

 **12 500** en France  
**700 000** dans le monde

#### BUDGET DU PLAN



**2** millions d'€ par an  
*Pour des projets de recherche, formations, et campagnes de communication*

#### LES OBJECTIFS

**-25%**



Initié en 2012, le plan visait à réduire de 25% en 5 ans l'utilisation des antibiotiques chez les animaux **et ainsi préserver l'efficacité thérapeutique des antibiotiques.**

#### LE 2<sup>e</sup> PLAN ÉCOANTIBIO 2017-2021

visé à consolider ce résultat et à poursuivre les efforts

**ÉCOANTIBIO**  
RÉDUIRE L'UTILISATION DES ANTIBIOTIQUES VÉTÉRINAIRES

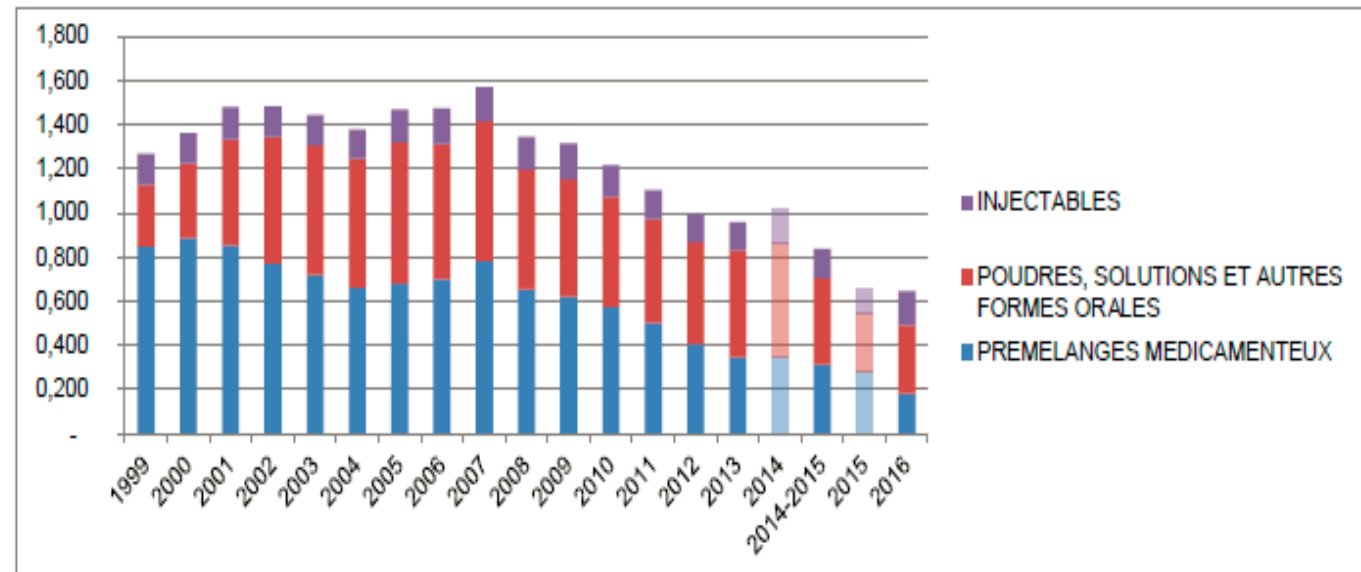
un plan de

**AGRO-ÉCOLOGIE  
PRODUISONS  
SAUTREMENT**

## Results of ECO ANTIBIO: Pigs

- ▶ Global reduction of -41,5% from 2012 to 2017
- ▶ Collective action on 3&4 Generation Cephalosporins in 2013:
  - ▶ -89.6% ALEA 2011-2016
- ▶ Voluntary plan for reduction of usage of Colistin since 2015
  - ▶ Now legally impossible to prescribe on a systematic level in feed.
  - ▶ 2011-2016: -67,3% ALEA

Figure 8 : Evolution de l'exposition des porcs par formes pharmaceutiques depuis 1999 (ALEA)

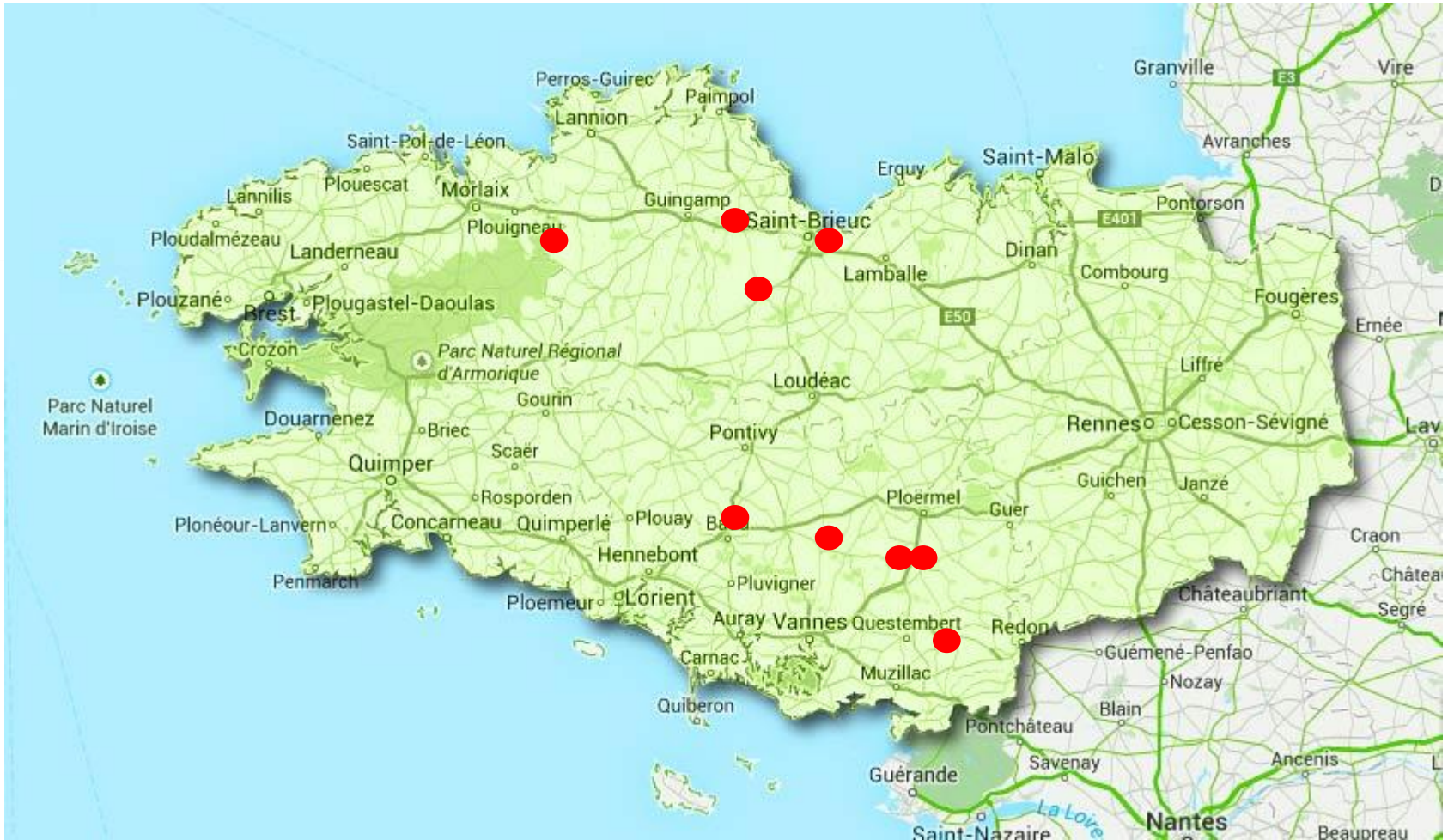


- ▶ Started working in 1994, as a vet since 1997, in a large COOP (ARCO)
- ▶ Started working in liberal practice in 2010.



- ▶ VET&SPHERE:
  - ▶ 22 associated vets, plus 12 hired vets on 9 sites
  - ▶ One lab for bacteriology
  - ▶ 3,5 vets + 1 tech working in swine:
    - ▶ 160 client farms
    - ▶ Two feed companies
    - ▶ Two Genetic firms (Topigs France, Choice Genetics France)
  - ▶ Shareholder in Groupe Cristal

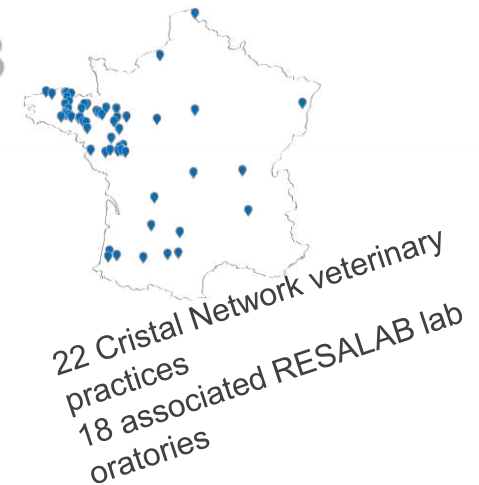




**Groupe Cristal** is a network of companies bringing together **3 businesses**:

**Services** ♦ **Tests** ♦ **Products**

covering **2 markets**:  
**Animal Health and Agrifoods**



► **Groupe Cristal** is supported by:

**22 veterinary practices**

> **200 vets**  
(multi-species)  
within the  
Cristal network

**23 testing laboratories**

60 technicians

**2 group purchasing organisations**

Medicines  
and hygiene and  
dietary products

## MAIN ACTIVITIES

- ▶ Farm visits: audits, emergency visits, routine visits
- ▶ Consulting for Genetic company
- ▶ Consulting for Réseau cristal:
  - ▶ Export missions
  - ▶ Trials, focus groups...
- ▶ Quality Management for veterinary medicine



- ▶ Ordinary farm health Problems:
  - ▶ Respiratory disease complex (INFLUENZA! PRRS PCV2 APP...)
  - ▶ Post weaning diarrhea and Oedema disease
  - ▶ Neonatal diarrhea
  
- ▶ Dealing with hyper prolificity...
  - ▶ Crowding/ density: mortality rate progressing again ...
  
- ▶ Management of global health: big effort on health status of nucleus farms in past 20 years
  - ▶ Depop repop/hysterectomy
  - ▶ PRRS negative , APP 2 and 1 911 negative , sometimes Mhyo negative.
  
- ▶ Preparing for ASF challenge: BIOSECURITY

- ▶ **Animal welfare awareness**
- ▶ **Buy Local**
- ▶ **Organic production**
- ▶ **Conciliate sustainability, large units, with societal demand...**

