

Fight against Antimicrobial Resistance

Contribution

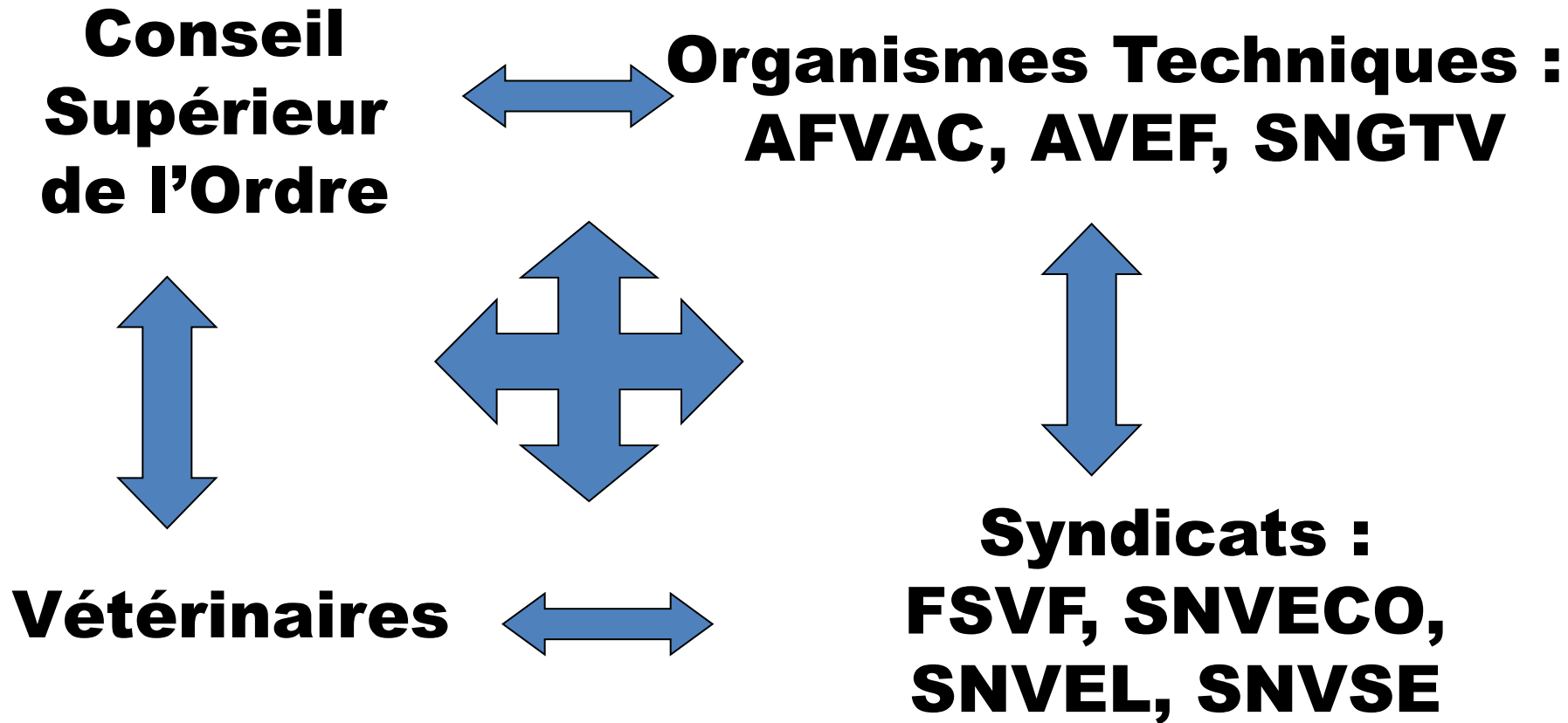
of a private veterinary organization

REMESA, Faro, Portugal
Christophe BRARD, 14th June 2013,



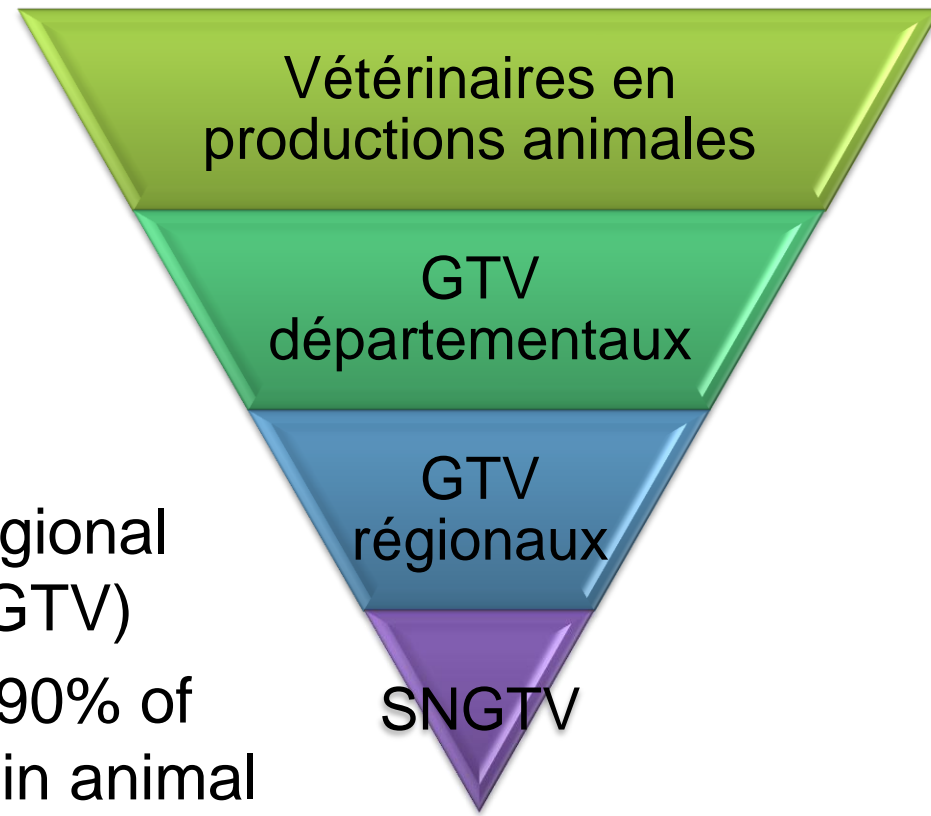
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SOCIÉTÉ NATIONALE DES
GROUPEMENTS TECHNIQUES
VÉTÉRINAIRES

Organisation de la profession vétérinaire

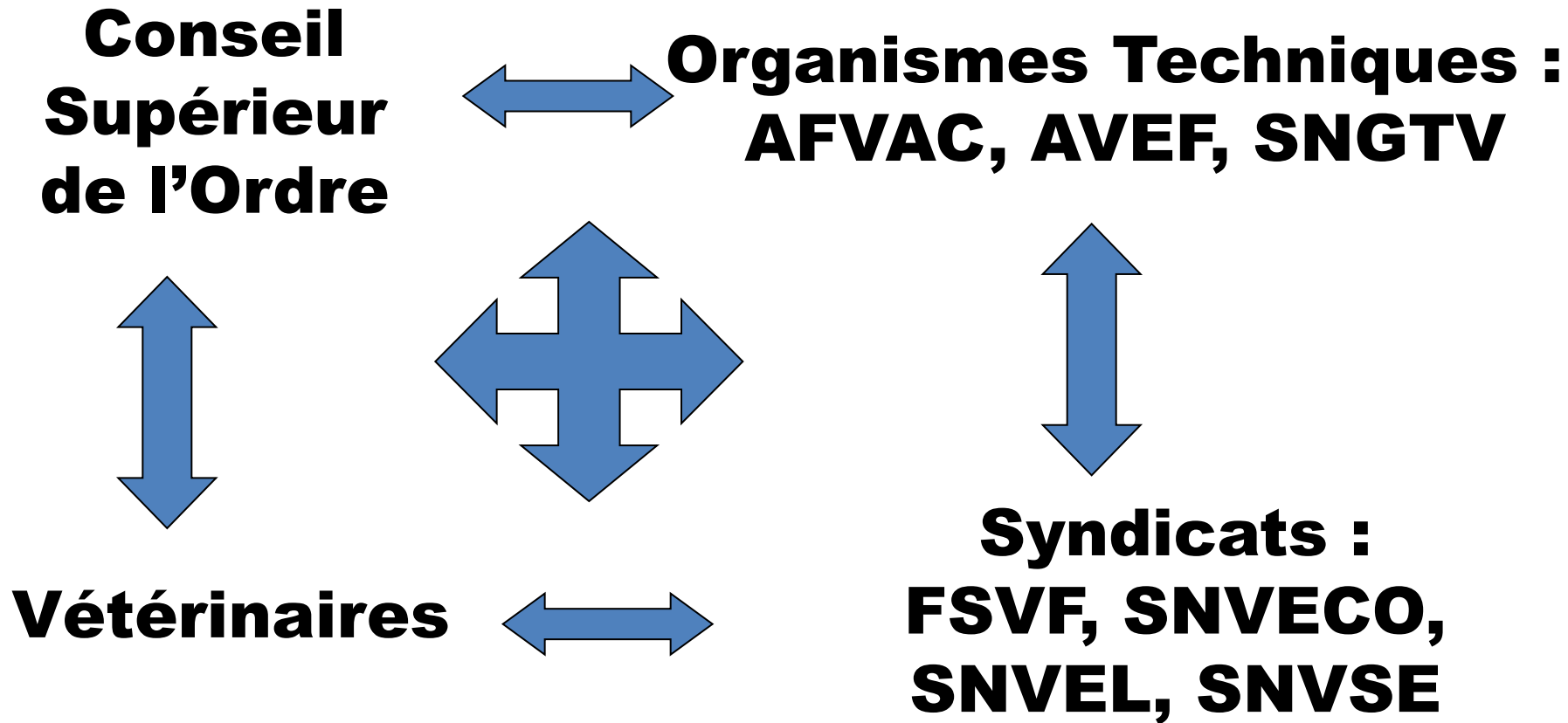


SNGTV: The French National Society of Veterinary Technical Groups

- A veterinary organisation in the technical field
- Purpose: to develop and promote the competencies of veterinarians involved in animal production in France
- An association: federation of departmental (county) and regional veterinary technical groups (GTV)
- In 2012: 2240 members (i.e. 90% of veterinary practices involved in animal production)



Organisation de la profession vétérinaire



The SNGTV's missions

- Continuing training
- Technical representation of veterinary practitioners
- Developing and making available to veterinarians:
 - services
 - tools and methodologies for their on-farm interventions
- Through 16 technical commissions:

Beekeeping

Aquaculture

Poultry

Goats

Rabbits

Environment

Epidemiology

Equidae

Medicines

Sheep

Parasitology

Pigs

Milk quality

Suckler cows

Dairy cows

Slaughter calves



The SNGTV, a key player in national policy on animal health (1)

- Running and supervision of the network of private veterinarians mandated to act on behalf of the State (*vétérinaires sanitaires*)
- Involvement in:
 - setting up of epidemiological surveillance networks
 - prioritisation of targeted diseases and species
 - analysis of health risks
 - design of control strategies
 - management of sanitary crises



The SNGTV, a key player in national policy on animal health (2)

- Development of information systems and management of animal health databases
- Design of guides to good practice and formalised animal health plans for farms
- Expertise in training and communication media



Appropriate use of veterinary medicines

- This has been one the SNGTV's priorities for many years
- The regulatory situation in France enables veterinarians to supply the medicines they have prescribed for their clients' animals



Guide to good practice in use of veterinary medicines

- Based on an analysis of risks:
 - For animals, humans and the environment
 - At all stages in the “life” of a medicinal product
- Operational interpretation of regulatory provisions, in the form of thematic information sheets
- Practical solutions for implementing good practices in veterinary practices and groups
- Reference standards for quality procedures
- Available for all veterinarians at www.sngtv.org



Guide to good practice in use of veterinary antimicrobial therapy

- Drafted in 2009, for the use of veterinarians
 - Includes international codes of practice
 - Guidelines on appropriate use of antibiotics
- The Guide is presented in the form of recommendations by pathology and production sector
 - Emphasis on the need to limit the use of antimicrobials
 - Description of situations where antimicrobials can be avoided, examinations to establish the diagnosis and choice of treatment
 - Updated according to the context and scientific advances



Treatment guidelines

- Veterinary guidelines on treating bovine mastitis (2013)
- From a public health and antimicrobial resistance perspective
- Strategies and decision trees
- Prudent prescription, for treatment
 - of clinical mastitis in lactating animals
 - of subclinical mastitis in lactating animals
 - at drying off
- Prudent prescription for preventive purposes in dry cows
- Training and communication plan



Example: Decision tree for first-line treatment of clinical mastitis with systemic signs

Clinical mastitis with systemic signs

Clinical examination: clinical score ≥ 3

Antibiotic treatment

Spectrum:
Broad Gram+ and Gram-

Intra-mammary route: Broad spectrum

Systemic admin.: target Gram- with 2 options

Priority: efficacy

Widespread
Control of IMIs
Fluoroquinolones
TMP
sulphonamide

Priority: safety

Limited spread
Control of bacteraemia
Aminosides
Colistin

Treatment for inflammation

NSAIDs

Possibly SAls if persistent local oedema

Fluid therapy

1st treatment:
hypertonic saline solution

If state of shock persists
Isotonic saline solution
Calcium
Bicarbonate
Glucose

Additional measures

Frequent milking, oxytocin



VETEEVAGE[®] software package (1)

- 3 complementary applications
- Monitoring of prescription and use of medicines
- VETEEVAGE[®] facilitates monitoring of herd health:
 - Computerised register shared by the farmer and the veterinarian
 - Veterinarian: interventions, prescriptions
 - Farmer: interventions, treatments administered



VETELEVAGE[®] software package (2)

→ VETOEXPERT[®]:

- Application for monitoring herd performance: reproduction, milk production, feed

→ VETESTEL[®]:

- Management of animal health assessments, treatment protocols and advisory visits
- Analysis of medicine use, economic losses, cost of diseases
- Individualised monitoring of antibiotic prescriptions and consumption

→ Applications currently operational for bovine production; adaptation to other species in the years ahead



MASTIPLAN

BV

☒ Mettre à jour dictionnaire

MASTIPLAN Boite 20 inj

Conditionnement 20,00

20 seringues

CIP : 6799895

GTIN :

Type d'ordonnance

☒ Délivré ☐ Administré ☐ A délivrer ☐ Autre

Quantité 1,00 0.2

☒ Auto

Posologie 1,00 seringue intra-mammaire

Fréquence d'administration

☐ matin ☒ m et s

Intervalle (en jours) 1

☐ midi ☐ m, m et s☐ soir ☐ Plus (fois/j) :

Durée et début du traitement

☐ à J plus

Pendant 2,00 Jours + 1/2

à partir du 05/03/2013 ☒ Matin ☐ Midi ☐ Soir
☐ avant la traite ☒ après ☐ sans

du mardi 05 mars 2013 matin (après la traite) au mercredi 06 mars

Délais d'attente (en jours)

Lait 5,5 mardi 12 mars 2013 soir ☐ Interdit

Viande 4,0 dimanche 10 mars 2013 soir

Inclure le texte

☐ Automatique☒ Personnalisé

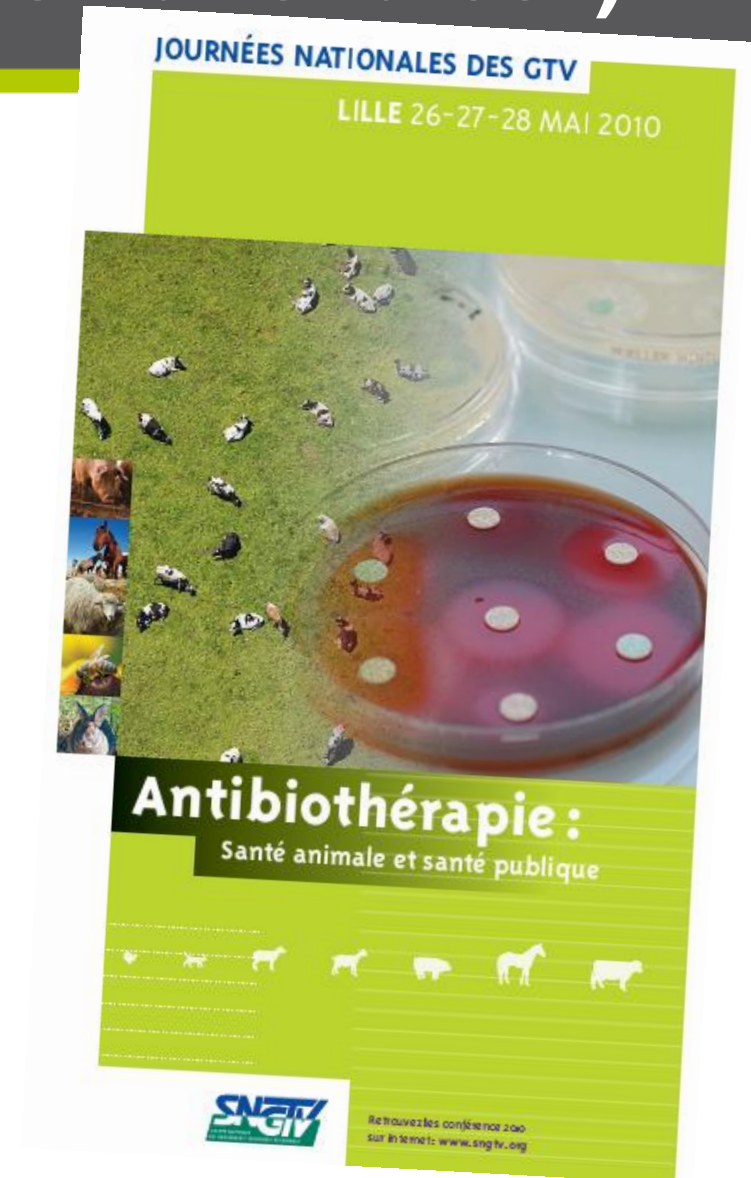
Injecter le contenu d'un applicateur intramammaire dans chaque quartier infecté, par le canal du trayon immédiatement après la traite, à l'issue de 4 traites successives à 12 heures d'intervalle. Chaque applicateur contient 300 mg de céfapirine et 20 mg de prednisolone. Effectuer une traite

**vetelevage**
GROUPEMENTS TECHNIQUES
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GTV Congress (“*Journées nationales*”)

- 2010: **Main theme** of the Congress: antimicrobial therapy and antimicrobial resistance
- Topic now dealt with every year
- 2013: General topic: prevention
 - Aim: to reduce pathologies and consequently treatments
 - Specific workshop:

Médicament vétérinaire
Antibiorésistance, Écoantibio2017



Fact sheets on good antibiotic practices

- Fact sheets on antibiotic treatment in cattle
- Sent to all veterinarians working with livestock, following the Congress "JNGTV 2010"
- Reminder of the main characteristics of the available families of antibiotics and their use in the major syndromes



The GTV *Bulletin*

- French language, peer-reviewed journal on continuing training
- All animal production sectors
- Feature articles
- Dossiers:
 - Antibiotic resistance in animal health and public health (June 2009)
 - Rational use of antibiotic treatment (December 2010)
 - Antimicrobial resistance and vet. prescription (May 2012)

Bulletin des GTV

Groupements Techniques Vétérinaires

Revue de formation continue à comité de lecture

N°64 MAI 2012



13 DOSSIER

Antibiorésistance et prescription vétérinaire

P. 10 FOCUS



Deux praticiens français en mission au Kenya dans des foyers de fièvre aphteuse

P. 67 PRATIQUE



L'examen échographique comme aide à la prise de décision médicale et chirurgicale: exemples concrets

P. 99 ÉQUINE



L'anémie infectieuse des équidés en France: situation actuelle et perspectives d'évolution

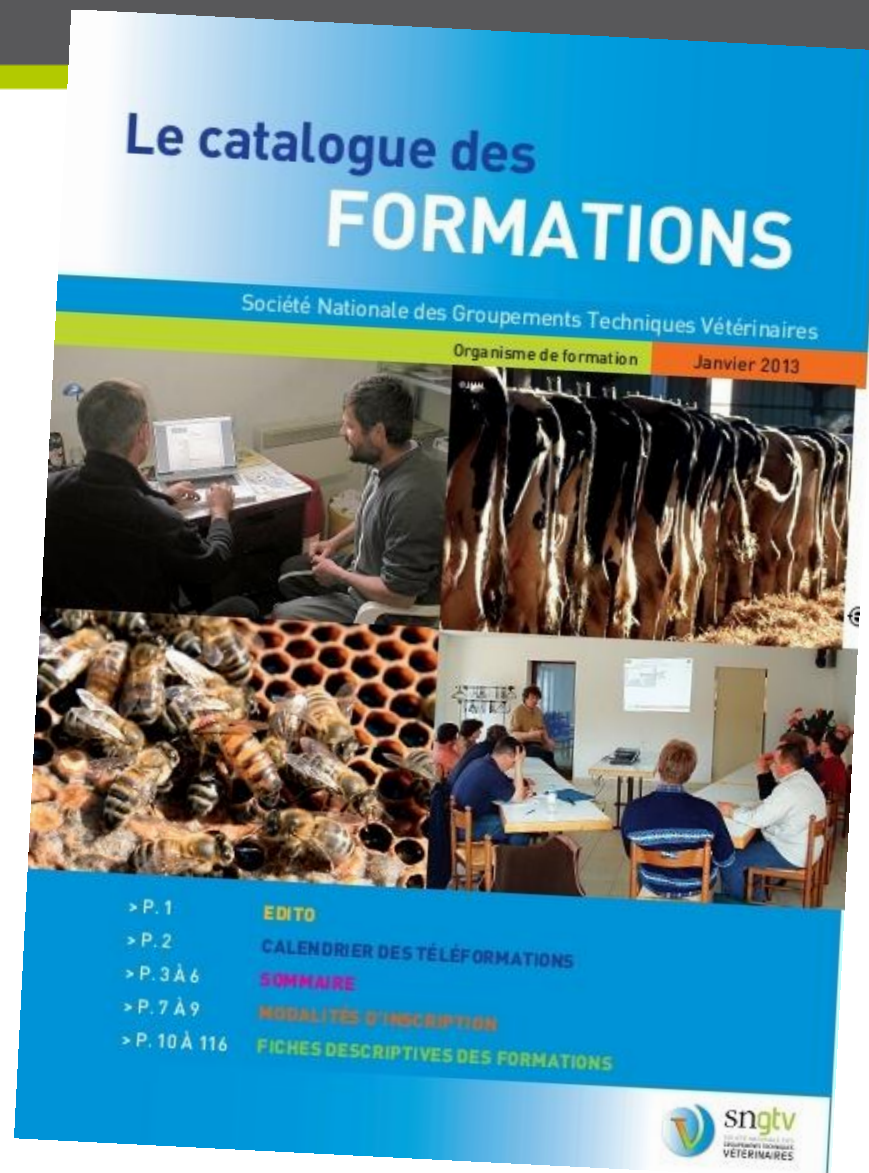
> P. 8 À 9 **ACTUALITÉS DE LA VIE DES GTV**: Dans les coulisses des Journées nationales des GTV

> P. 105 **QUALITÉ DES PRODUITS**: Influence de l'induction de l'oestrus sur la concentration cellulaire du lait de chèvre



Training courses for veterinarians

- On-site or on-line training
 - Antibiotic treatment of endemic diseases in livestock
 - Performance of health assessment and care protocols
- Training of mandated *vétérinaires sanitaires* (SNGTV/ENSV)
 - Module “Veterinary pharmacy and public health”
 - Module “Antimicrobial resistance and pharmacovigilance” (new module 2013)



Training courses for animal producers

- Module “Identifying and controlling the risk of antimicrobial resistance on your farm”
- Cattle, sheep, goat, swine and poultry sectors
- Run by the producers’ veterinarian
- Understanding the causes of antimicrobial resistance and the issues involved
- Identifying risk areas in existing practices
- Acquiring the methodology to control these risks



MAÎTRISER L'ANTIBIORESISTANCE

PROBLEME DE BOITERIE DES BOVINS

Nous sommes le 27 septembre :

En rentrant les vaches du champ, Yann voit une vache qui boite de la patte arrière droite.

La veille, il n'avait rien constaté de tel.

Après la traite il l'isole dans l'infirmerie pour la soigner...



Revoir la description
de l'exploitation



Vous êtes
Yann...

Que
faites
vous ?

1

2

3

4

5

6

7

8

X

The “écoantibio2017” plan



- Steering of “écoantibio2017” Plan measures (in progress)
- Measure 6: Develop guides to good practice on antibiotic prescription
 - Recommendations on appropriate use of antibiotics, by sector and by pathology
- Measure 7a: Strengthen continuing training and information for veterinarians
 - Antimicrobial resistance road show, annual congresses, distribution of fact sheets on characteristics of antibiotics
- Involvement with many other measures of the Plan



Activities alongside professionals

- Involvement in livestock sector activities to promote rational use of antibiotics
- Inter-professional charter on appropriate use of pharmaceutical treatments in rabbit production (rabbit commission)
- Consensus on use of cephalosporins pig production (pig commission)



Thank you for your attention



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