

Liberté Égalité Fraternité



# Cartography of therapeutic gaps in France: presentation of the Anses ANMV methodology and results

**Review 2020-21** 

**ANMV – Laure Baduel** 

DISCONTOOLS meeting -13/05/2022



## History & objectives of ANMV meetings

2013 Creation of a Working Group (WG N°1) on availability, within the RFSA (French Network for Animal Health)



#### Since 2014

ANMV meetings with representatives of each sector

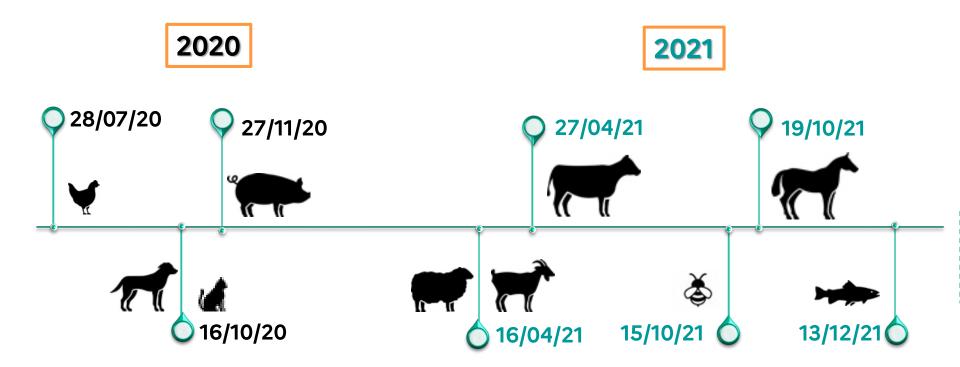
approximately every 2 years

#### **Objectives**

- To list the therapeutic gaps encountered in the field, their causes and alternatives
- To implement actions as far as possible
- To forward information to the solution players, notably via RFSA



# Frequency of meetings in 2020-2021

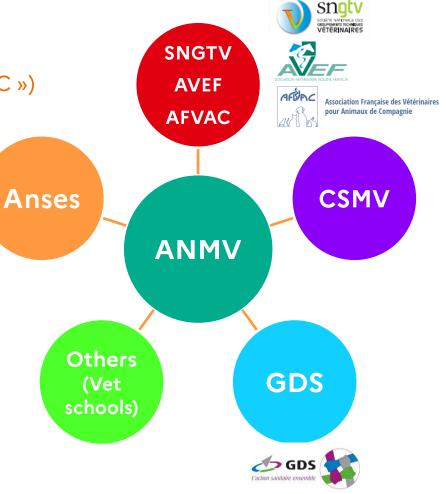






### 5 to 15 participants representing:

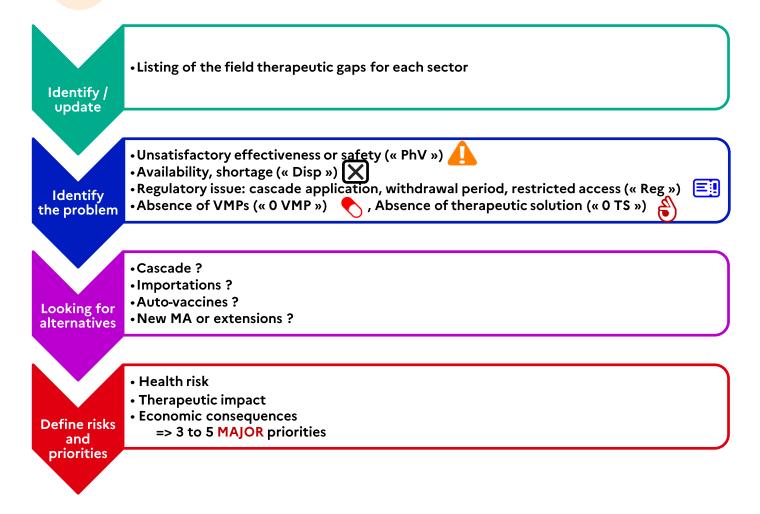
- ANMV
- Vet practitioners (« SNGTV, AVEF, AFVAC »)
- Farmers (« GDS »)
- Vet schools, Anses labs





anses

## **Objectives of the meetings**





## 3 to 5 MAJOR gaps in producing animal sectors



 Control of fever and inflammation in viral infections of laying hens

- Histomonosis in turkey, guinea fowl, label poultry and laying hens
- Pain management for « convenience » acts (caponizing, guinea fowl wing jointing)
- 27/11/20 **Post-weaning colibacillosis** Influenza Streptococcus suis Brachyspira Neonatal diarrhoea due to E. coli, Clostridium, Enterococcus, Rotavirus



# **3 to 5 MAJOR** gaps in producing animal sectors

27/04/21

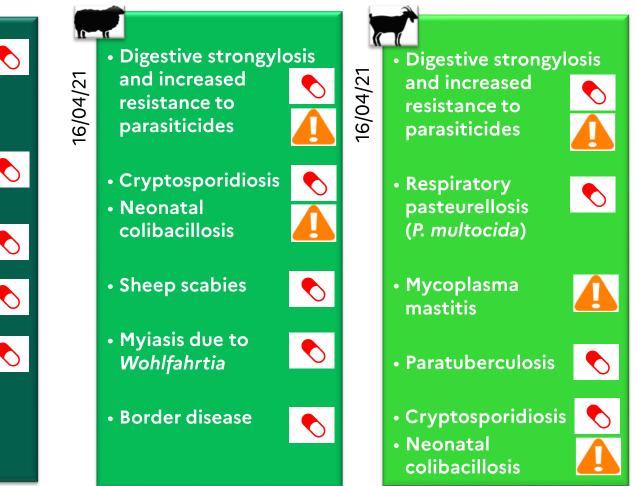
• Respiratory mycoplasmosis

Ocular infections

& teat injuries

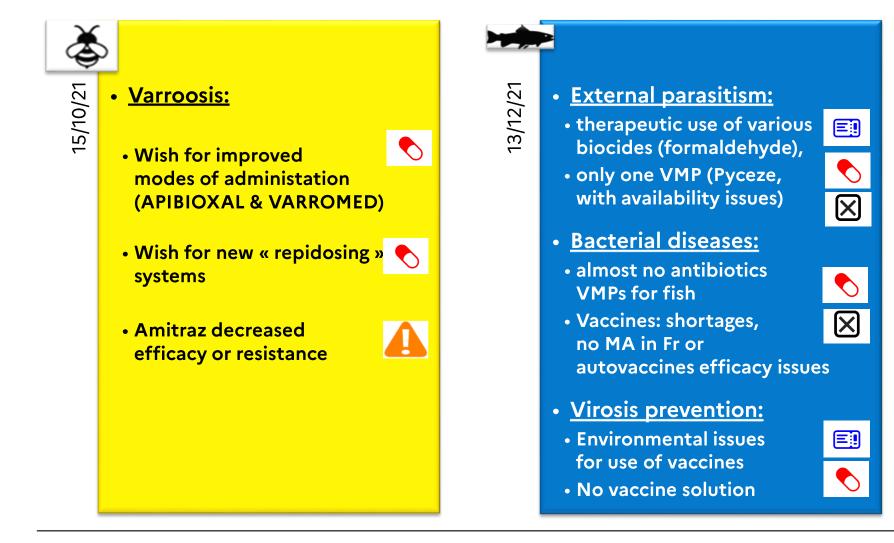
with corneal lesions  $\overline{}$ 

- Oral antipyretics
- Oral tranquilizers
- Paramphistomosis
- Dicrocoeliosis





## 3 to 5 MAJOR gaps in producing animal sectors

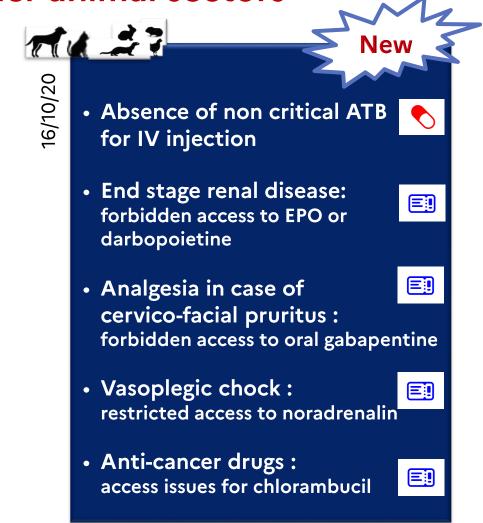




## 3 to 5 MAJOR gaps in other animal sectors

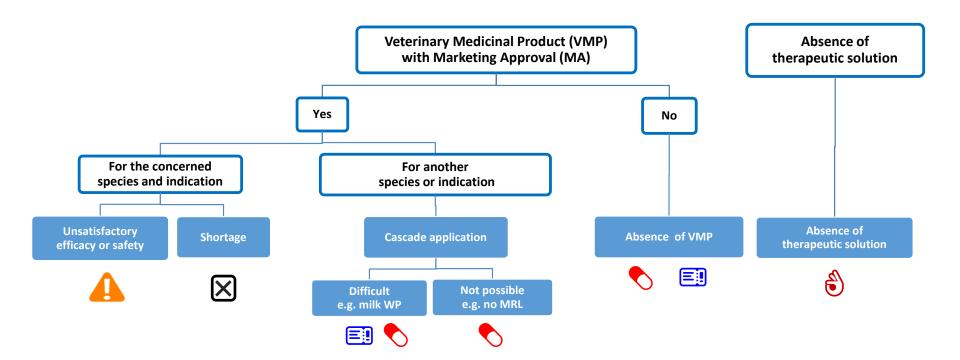


- Absence of non critical ATB for IV injection
- Chondroprotection: forbidden use of single-use intra-articular
  injectable, cheaper presentations for humans

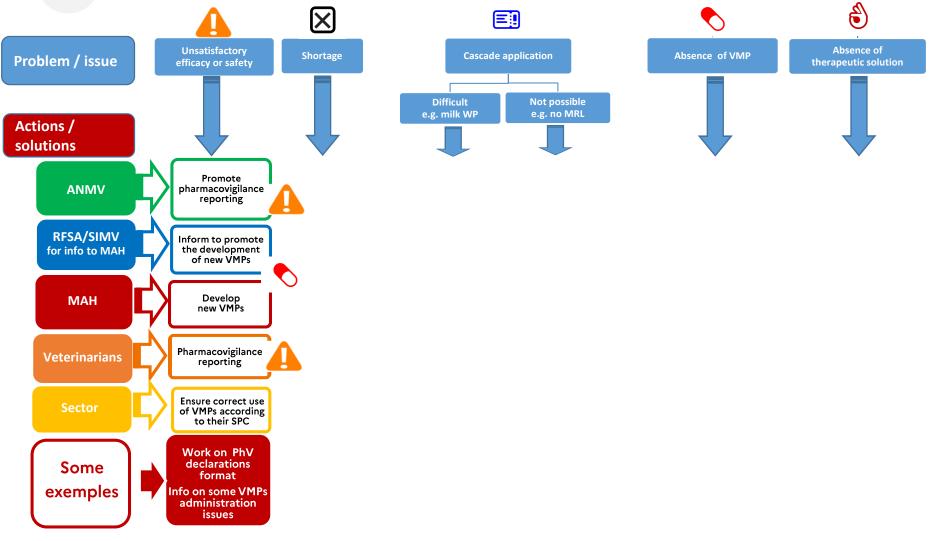


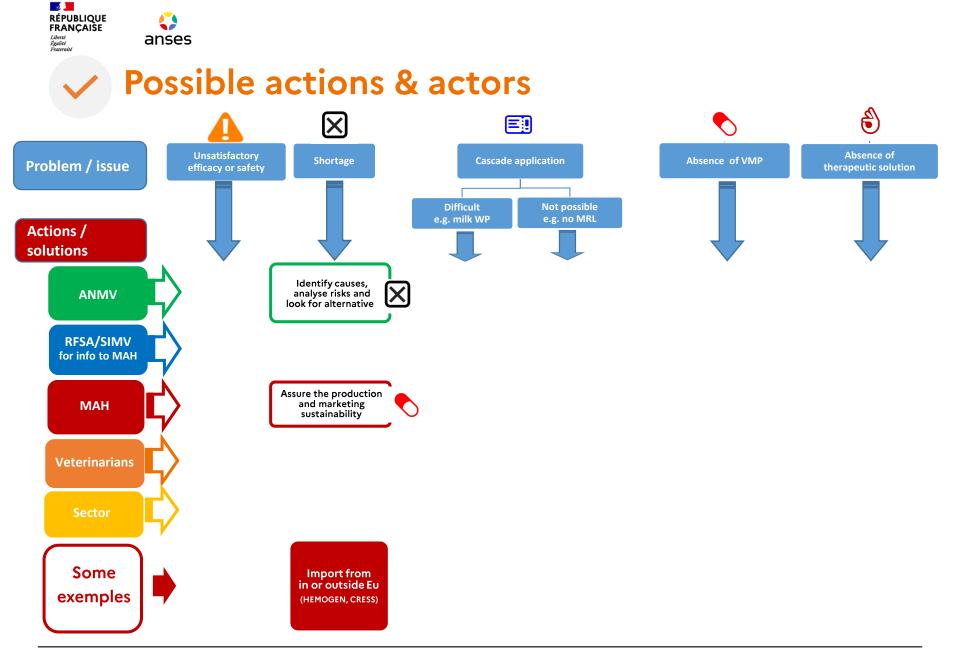


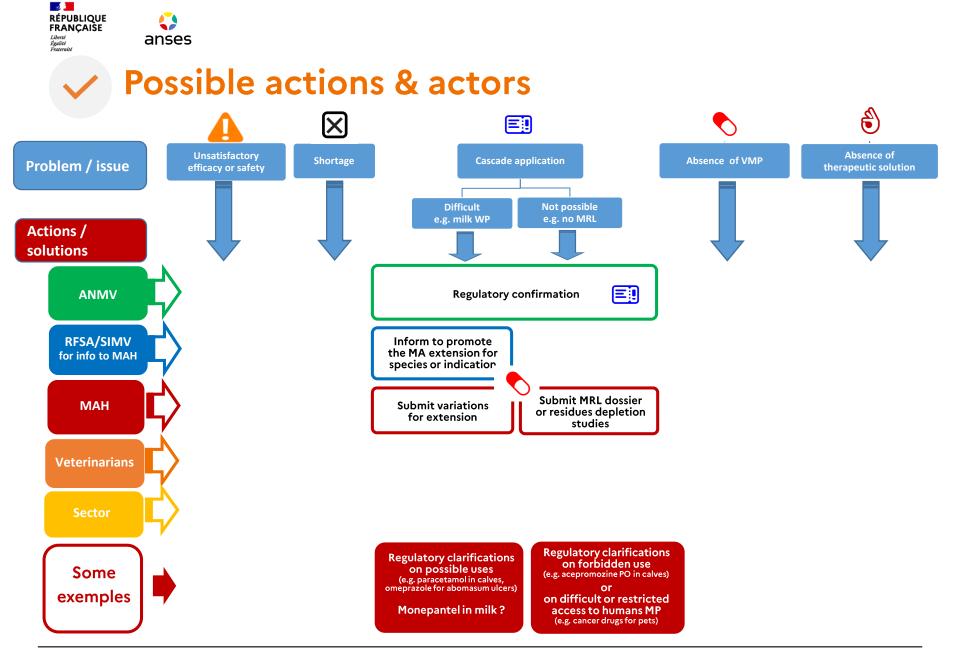
## Various types of issues

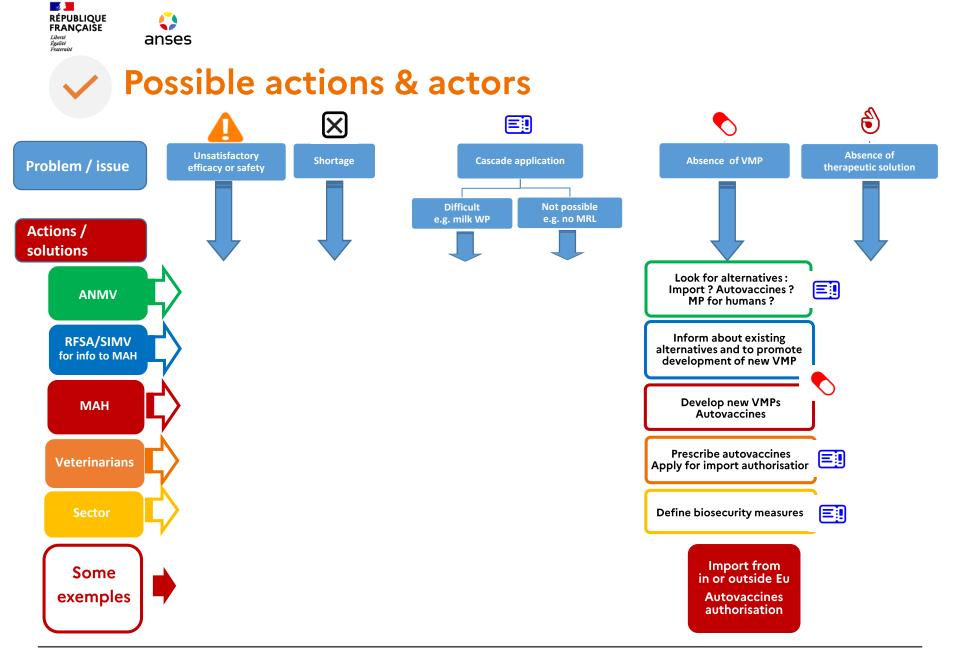


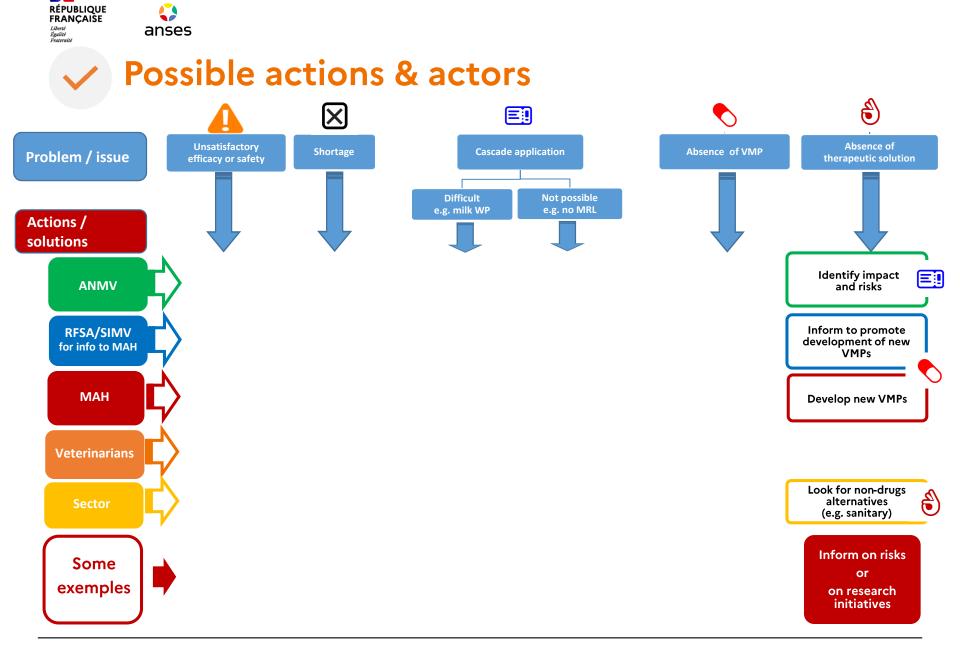
















### $\succ$ to the participants

 $\succ$  on the RFSA website

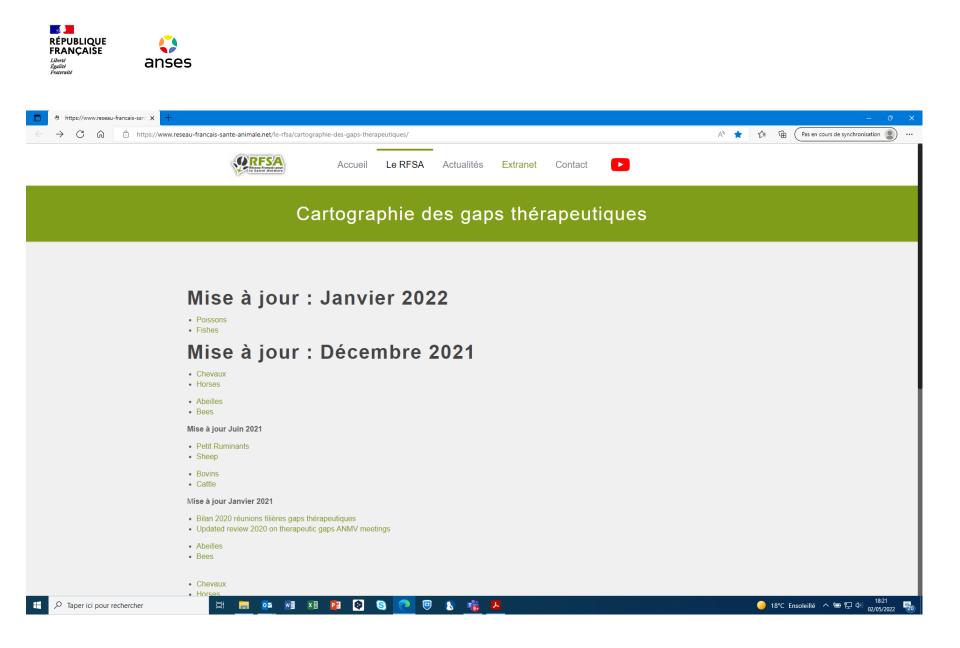


https://www.reseau-francais-sante-animale.net/le-rfsa/cartographie-des-gaps-therapeutiques/

in french and <u>in english</u>

=> distribution to the MA Holders, to the SIMV, SNGTV, AFVAC, AVEF members etc.

to the RFSA steering comittee (quaterly)





### In conclusion, the main benefits of these meetings are:

- Promoting exchanges between field, practitioners and authorities
- A good representation at national level
- A transversal vision of the problems encountered
- Identification of the causes, risks and priorities related to these therapeutic deficiencies
- The implementation of actions to find solutions together





# Thank you for your attention



# Any questions?



#### **Disease Control Tools (DISCONTOOLS)**

See http://www.discontools.eu/

DISCONTOOLS (DISease CONtrol TOOLS) is an open-access database to assist public and private funders of animal health research and researchers in identifying research gaps and planning future research.

The database contains research gaps as well as a gap scoring and prioritisation model for more than 50 infectious diseases in animals.

The data are provided by disease-specific expert groups, reviewed by a project management board, and updated in a 5-year cycle.

Users can select their topics of interest, compare the selected topics across diseases and prioritise the diseases according to a range of customisable criteria.

By identifying the gaps in knowledge and available control tools, DISCONTOOLS helps to prioritise research and speed up the development of new diagnostics, vaccines, and pharmaceuticals.



DISCONTOOLS DISEASE CONTROL TOO GAPS AND NEEDS FOR INFECTIOUS DISEASE CONTROL IN . discontools.eu Nematodes **Disease Profile** There are a large number of genera and genicise to the only normaticise of the gamaterization of the CI () of environment of gen are considered burnetics written and optications both must and dany's an engineering written by generation normation interctions, which are not the main constraints of efficient burnetics production workside. The effect of muniters mantable is mainly given gamateria where subdivised infections can lead to relation where the subdivised infections interctions can result in mill yield bosises, lower conception takes, poor carcass quality and induced work yields. The impact of generations is length university university of the conditional production workside. The maps of a generation is length university university and the conditional production workside. The impact of generation is length university university and the conditional production workside. The impact of generation is length university university and the conditional production workside. The impact of generation is length university and the conditional production workside. The impact of generation is length university and the conditional production workside.

#### Risk

In ruminants, parasitis gastroenteritis mainly occurs during the greating period and will van according to labitude, infection leve are datermined by management as well as environmental perspersive, humidity factors. Changing climate can execute any paratoses by investigating the level and clustors of parature intercitive. Nemotodie infections in general client on the transfer betwee animals and humans. However, the issue of drug resistance is growing both in animal and human populations.

#### What do we have?

copical) methods are used for all gastroint Ngenotics: Coprological (interescopical) memores are used for a guovariation interestivation of the santhy eggs and with coprocultine to lotenthy 13 states brines. Servolgical methods huve here massuing velis to assess the degree of damage due to abomscal rematode infections. A bulk-tank mill: Others, Pign and to assess nematode seposare in adult cover. Morbidly maintees have been described in sheap. Pign assessed by hands examination for lengs and coastandi inports from abattori of mills posts in the low : dy EUSA DNA-b

wer A vaccine against Haemonchus contortus reduces worm numbers and worm egg output by > 90% and is va vaccine against: Haemoticus contortus reactes worm numers and worm egg outpute of la. Prototype vaccines against: Gatoritagio ostratiga of coperio onophore reduce worm egg o ely during a two month challenge period. Resideate Control of enlies height on anthelenimitics. All anthelmitics are very effective at redu However, anthelmitic resistance of G nematodes in ruminants is increasing worldwide as m egg output by 60%

and of the currently wallable products

#### What do we need?

Development and implementation of holistic control strategies using improved diagnostics, host genet pasture management to reduce the reliance upon antheiminitics and the threat of antheiminitic resistance. Easy-to-use diagnostics to identify those animals requiring treatment and tests for early detection of antheir intics with new mode of action than currently ava evelopment of complementary control measures: vaccines, bio-active forages, nutraceuticals

O BSCOMIDIO.3

Read the full chapter here.