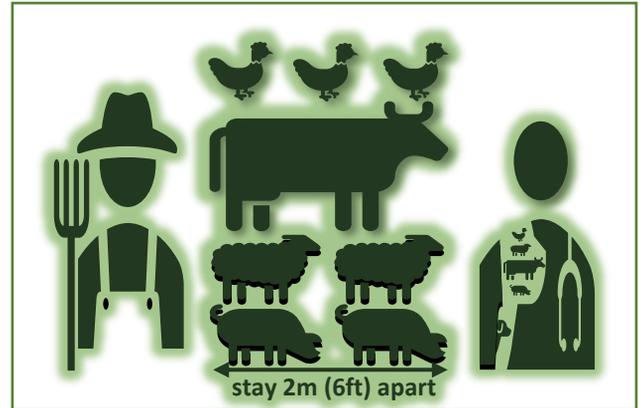




## Disseminating Innovative Solutions to Antibiotic Resistance Management

### Dedicated to finding and sharing innovative solutions!

Despite the restrictions in place across Europe to limit the spread of COVID-19, our activities continue. The [Community of Practice on Facebook](#) was active during the hot summer months, while our communication and dissemination activities received positive feedback from the scientific community. Check out our latest updates below...



[DISARM resources](#)

[Share your Suggestions](#)

### Farm Health Management in the Time of COVID-19

Following the outbreak of Coronavirus, farms involved in DISARM activities increased their biosecurity measures to prevent the spread of infectious disease and protect both human and animal health.

In Romania, the *Moara Domnească* Dairy Farm established specific COVID-19 measures, such as:

- Distribution of staff into two working teams to ensure human physical distancing as well as continuity of farm activity if a COVID-19 case occurs in the farm team;
- Acquisition and distribution of protective masks, disposable gloves, cleaning materials and disinfectants;
- Installation of new disinfection systems at the entrance to the farm and in the workspaces;
- Periodic disinfection of all surfaces in workspaces;
- Restricting access to the farm to visiting professionals when necessary.

Further ideas for improving biosecurity, and other aspects of livestock health are available on the DISARM website.

### Have your say: priority research areas for antibiotic use and resistance in livestock farming

Which areas do you think need more research, development and policy attention to promote animal health and prudent use of antibiotics in livestock farming?

Please take the time to fill in our short survey and share it within your own networks!

The results will be published in our second research prioritisation report in January 2021.



[Online Survey](#)



## Interesting activities on the Community of Practice

Members have been busy sharing hot topics regarding animal health and the reduction of antibiotic use on our Facebook group. Some examples are shared below...

Not on Facebook? Monthly summaries of the CoP are available on our website!



Find us on Facebook

CoP  
Summaries



Virtual Poultry  
Tech Summit

DISARM Summary:  
NestBorn

DISARM Summary:  
HyCare Coating

## Poultry Technology Innovations

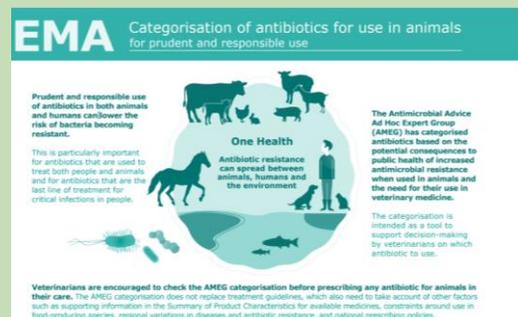
Here's some of the poultry farming innovations set to feature at the Virtual Poultry Tech Summit, October 20-22, 2020:

- Synthetic biology and artificial intelligence to control *Clostridium perfringens* infections in broilers.
- An automated poultry vaccine delivery system that vaccinates every individual chick on the day of hatching.
- Use of feathers for *in vivo* testing of cellular and tissue immune response to optimize poultry health selection and management strategies.
- Using video imaging to estimate broiler weights
- Correlating video of bird movements with production data and processing outcomes

Also check out the practice examples summarized on the DISARM website, like on-farm hatching and coating surfaces.

## Responsible use of antibiotics in animals: antibiotic categories

The Antimicrobial Advice ad hoc Expert Group (AMEG) categorisation can help veterinarians to prescribe the most appropriate antibiotic. The risk management measures applied to the AMEG categories are complementary to the provisions in the Regulation (EU) 2019/6 on veterinary medicinal products in relation to use of antibiotics for prophylaxis, metaphylaxis and under the "cascade".



Categorisation of  
antibiotics

Regulation (EU) 2019/6



Youngstock Toolkit

## Youngstock Toolkit

A Youngstock Toolkit from MSD Animal Health in the UK about rearing healthy (dairy) calves was also shared on the Facebook group. This toolkit contains a series of videos designed to help farmers to maximize their youngstock's performance, e.g. through [colostrum management](#), [optimising the environment](#) and [lowering infection pressure](#), and [managing diarrhoea](#).



# DISARM Farm Factsheets

The DISARM project have prepared their first case study farm factsheets!

Farmers from Greece and Belgium describe their success resulting from collaboration with DISARM members!



# Alternatives to Veterinary Antimicrobials (AVANT)

The AVANT project aims to develop alternatives to antibiotics for the prevention and management of post-weaning diarrhoea, which is most frequently caused by certain types of *E. coli* bacteria.

AVANT focuses on the development of seven different technologies: synbiotics (pre- and pro-biotics), faecal microbiota transplantation, bacteriophage, polymer, immune-stimulating feedstuffs, immune stimulating substances for injection, and feeding strategies for sows and piglets.

We will certainly be keeping an eye on their results over the next 5 years!



AVANT Project

# Upcoming events: Save the date!

Together with AM CRA and the Department of Agriculture in Flanders, ILVO (DISARM project coordinator) is collaborating on three webinars for pig farmers to take place in October-December. These will be followed by similar events for other animal species.

Romanian DISARM partners, USAMV and ANGST are planning webinars for dairy, pig and poultry farmers to take place in October-December.

Check out our [events webpage](#) or follow us on [Facebook](#), [LinkedIn](#) and [Twitter](#) to receive regular updates on our upcoming events!



Contact Us

# Get in Touch

For more information about the DISARM project and opportunities to get involved or collaborate with us, please get in touch.

Let us know about your activities – we love to hear from you!

