



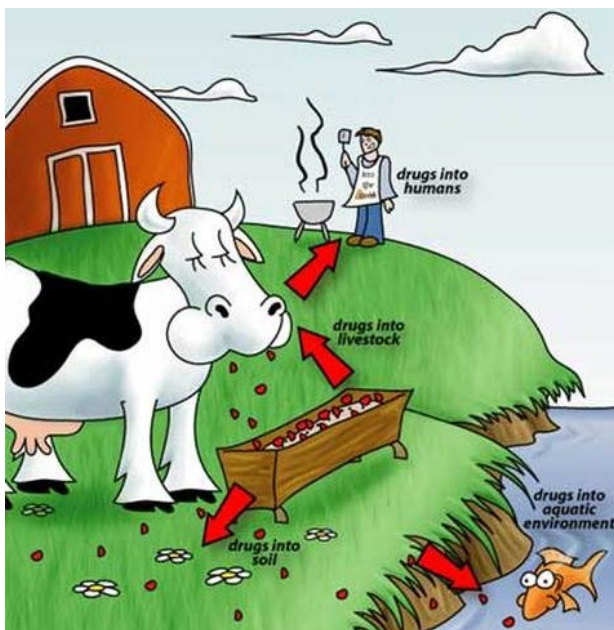
Disseminating Innovative Solutions to Antibiotic Resistance Management

General



#StudyMonday

According to the European Court of Auditors, there is some progress regarding antimicrobial resistance in Europe. However, there is little evidence that the health burden of AMR has reduced. They make recommendations to improve the Commission's response to AMR through better support of Member States' national action plans; promoting better monitoring and the prudent use of antimicrobials, and strengthening strategies for boosting research. [Read more here.](#)

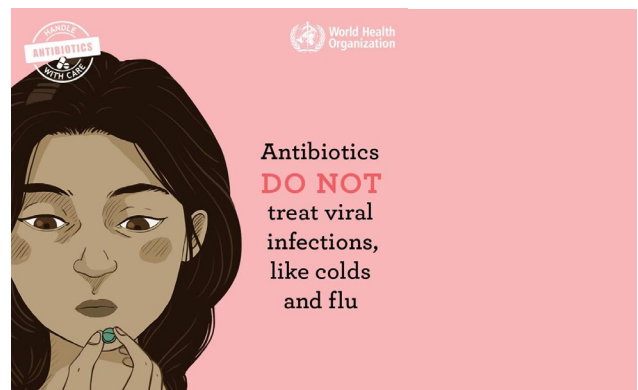
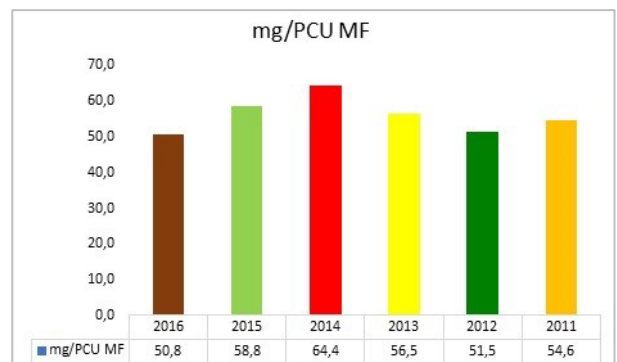


#MakeItEasyThursday

#Biosecurity: [This tool](#) from the UK aims to help farmers and sprayer operators review and improve spraying practices to reduce the risks of pesticides reaching water.

#FreeFriday

#ABFeed: Sales of medicated feed (mg?PCU) in European selected countries:



#StudyMonday

#Vaccination: Check [this article](#) for details on correct administration of the Orf Vaccine.

Sheep



Goats



#StoryWednesday

#ABExtensive: During the summer months, Norway is a very pleasant country and goats are kept outdoor grazing in the mountains. Yet, the milk yield of Norwegian Goats was decreasing and by the end of the last century, experts alerted

that the production would have a silent death, if big effort was not put into sanitation programs. are kept outdoor grazing in the mountains. Yet, the milk yield of Norwegian Goats was decreasing and by the end of the last century, experts alerted that the production would have a silent death, if big effort was not put into sanitation programs. Almost 90% of all flocks tested positive for caprine arthritis encephalitis virus, more than 70% of flocks reported clinical caseous lymphadenitis, and Johne's Disease (Paratuberculosis) was common in goats in the western, southern and eastern areas where vaccination was compulsory. Through extremely good cooperation between the cooperative agricultural business, farmers associations, scientists and government, the sanitation program "Healthier Goats" was founded. After 14 years of implementation, "Healthier Goats", coordinated by TINE, succeeded to have every milk-supplying goat herd sanitized. Norway stopped the vaccination against Johne's Disease in goats by 2011. Good cooperation and biosecurity education of farmers, veterinarians in the field, and farmers' advisors were key success factors. Something else that helped: farmers got Economic replacement. They did tremendous work that led to success!

#QuestionTuesday

#PrecisionTechnology: The rise of Precision Livestock Technology and Big Data should allow for more control over the production process and early detection and warning about disease.

Check out [this example](#) of Big Data management for optimizing production in early weaning

What is your favorite early warning system for animal health management? Which technology or sensor is it based on? What do you think is most promising from this technology to assist in lowering the use of antibiotics in this sector?

Poultry



#StoryWednesday

#Biosecurity: Check out [this interview](#) about how hospital based real-time alerts can improve compliance to biosecurity measures.

Dairy Cattle



#StoryWednesday

#Youngstock: to facilitate more natural behaviour in their animals, some German farmers introduced dam rearing onto their farms. [Read the story here.](#)

#StudyMonday

[This short article](#) explains the lower incidences of mastitis in cows because of selective dry cow therapy. This minimizes the use of antibiotics at drying off.

#Biosecurity: [This study](#) shows various relations between biosecurity and Digital Dermatitis. Examples are recent animal purchase, access to pasture, infrequent hoof bathing and manure scraping less than 8 times a day.

Pigs



#QuestionTuesday

#PrecisionTechnology: The rise of Precision Livestock Technology and Big Data should allow for more control over the production process and early detection and warning about disease. Check out [this example](#) about applying microphones to detect respiratory disease.

What is your favorite early warning system for animal health management? Which technology or sensor is it based on? What do you think is most promising from this technology to assist in lowering the use of antibiotics in this sector?

#StoryWednesday

#External biosecurity: This image shows a virus filtering system which has the main purpose to stop airborne viruses such as PRRS and mycoplasma. [Find out more here](#) (in Dutch).



#External biosecurity: In order to prevent African Swine Fever, two French pig farmers have taken some actions. They underwent a course on (external) biosecurity regarding African Swine Fever, given by a veterinarian. In addition, a disinfection airlock will be installed at the entrance to the livestock buildings. The farm will be divided into separate areas, preventing pathogen transmission between the breeding – feed – public area. [Read more here](#) (in French).

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