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SUSTAINABLE ANTIMICROBIAL USE (AMU) IN BE LIVESTOCK PRODUCTION?

GLOBALLY

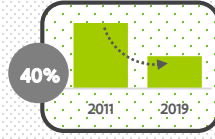


Once minor infections become deadly due to antimicrobial resistance (AMR)

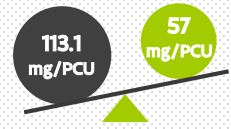


AMR prevalence is driven by human actions, incl. livestock production.

BELGIUM



Decrease in sales of veterinary antimicrobials for 2011-2019



Belgian veterinary AM sales are ca. 2x the EU median (BE is 9th largest EU consumer)

KNOWLEDGE GAPS REGARDING SOCIO-ECONOMIC FACTORS
(and interactions between these factors) that may influence on-farm AMU behavior

SYSTEMICALLY INFORMING AMR POLICIES AND STRATEGIES FOR LIVESTOCK PRODUCTION

1. STAKEHOLDER MAPPING



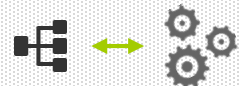
To characterise the stakeholders of a livestock production system (LPS) + interactions between them.

2. STRUCTURAL ANALYSIS



To gain insight into capabilities, market structures, institutions and governances of a LPS.

3. FUNCTIONAL ANALYSIS



To analyse how structures determine the functioning of a LPS to identify systemic failures.

currently being performed

WHO to target
(Which stakeholders?)

AGRICULTURAL INNOVATION SYSTEM (AIS) APPROACH

WHAT to target
(e.g. AMU, biosecurity, ...)

HOW to target
(Instruments e.g. regulations, ...)

FLEMISH ANIMAL HEALTH

SYSTEM in BE:

