

MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES - UPDATE

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SECRETARIAT, ANIMAL INDUSTRIES' AMS R,D&E STRATEGY



MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES

Funded by:

- Department of Agriculture Fisheries and Forestry
- AIAS members (Agrifutures (chicken meat), Australian Eggs, Australian Pork
 LTD, Dairy Australia, Meat & Livestock Australia



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This project aims to:

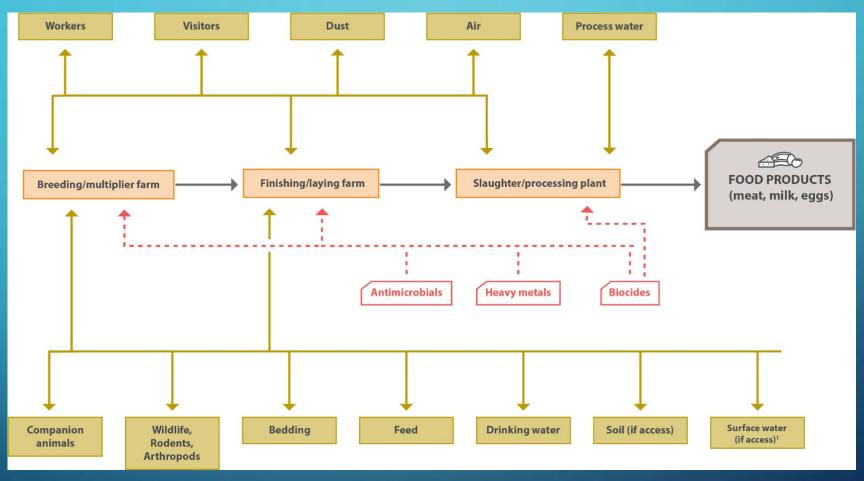
• improve the understanding in Australia of the transmission pathways and biosecurity priorities for mitigating AMR risks in livestock enterprises

This project will:

- provide livestock producers with a framework to assess the risk of AMR transmission on their enterprises and
- allow them to make informed changes to reduce the risk of spread of AMR and improve biosecurity



ENVIRONMENTAL SOURCES AND TRANSMISSION ROUTES OF AMR — TERRESTRIAL ANIMAL FOOD PRODUCTION SECTOR



EFSA BIOHAZ Panel (EFSA Panel on Biological Hazards), Koutsoumanis K, Allende A, A'Ivarez-Ordo'n~ez A, Bolton D, Bover-Cid S, Chemaly M, Davies R, De Cesare A, Herman L, Hilbert F, Lindqvist R, Nauta M, Ru G, Simmons M, Skandamis P, Suffredini E, Argu€ello H, Berendonk T, Cavaco LM, Gaze W, Schmitt H, Topp E, Guerra B, Lie'bana E, Stella P and Peixe L, 2021. Scientific Opinion on the role played by the environment in the emergence and spread of antimicrobial resistance (AMR) through the food chain. EFSA Journal 2021;19(6):6651, 188 pp. https://doi.org/10.2903/j.efsa.2021.6651



MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES

- Background document highlighting AMR transmission pathways
- Hazard analysis framework for each industry
- Piloting of framework on farm using real data



PROGRESS TO DATE

- Background document complete*
- Framework drafted for each industry
- Sampling protocol established for pilot site
- AMR laboratory testing process identified



NEXT STEPS

- Pilot of framework and sampling/testing protocol in one enterprise/ one industry (June 2023)
- Pilot of framework and sampling/testing protocol in one enterprise of each of remaining industries (by April 2024)
- Completion Sept 2024



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THANK YOU