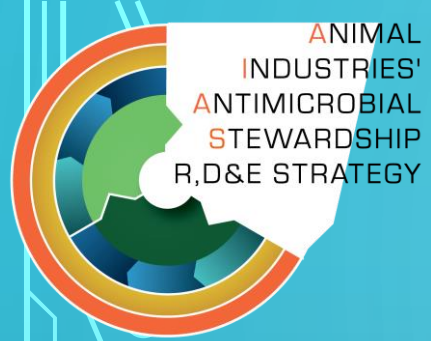


MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES - UPDATE

DR JO COOMBE BSC, BVSC, PHD

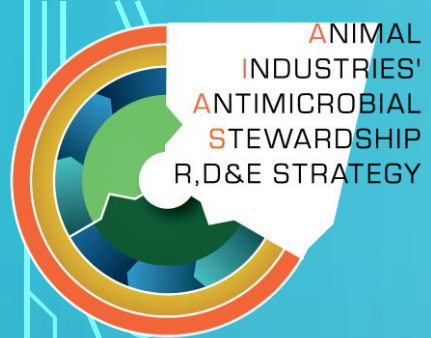
SECRETARIAT, ANIMAL INDUSTRIES' AMS R,D&E STRATEGY



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)



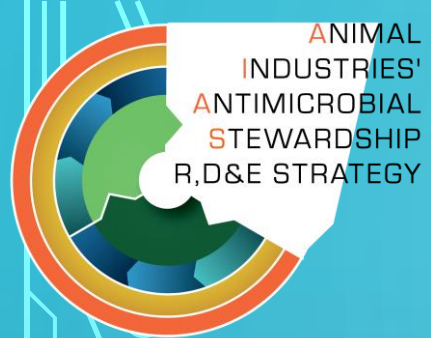
MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES

This project aims to:

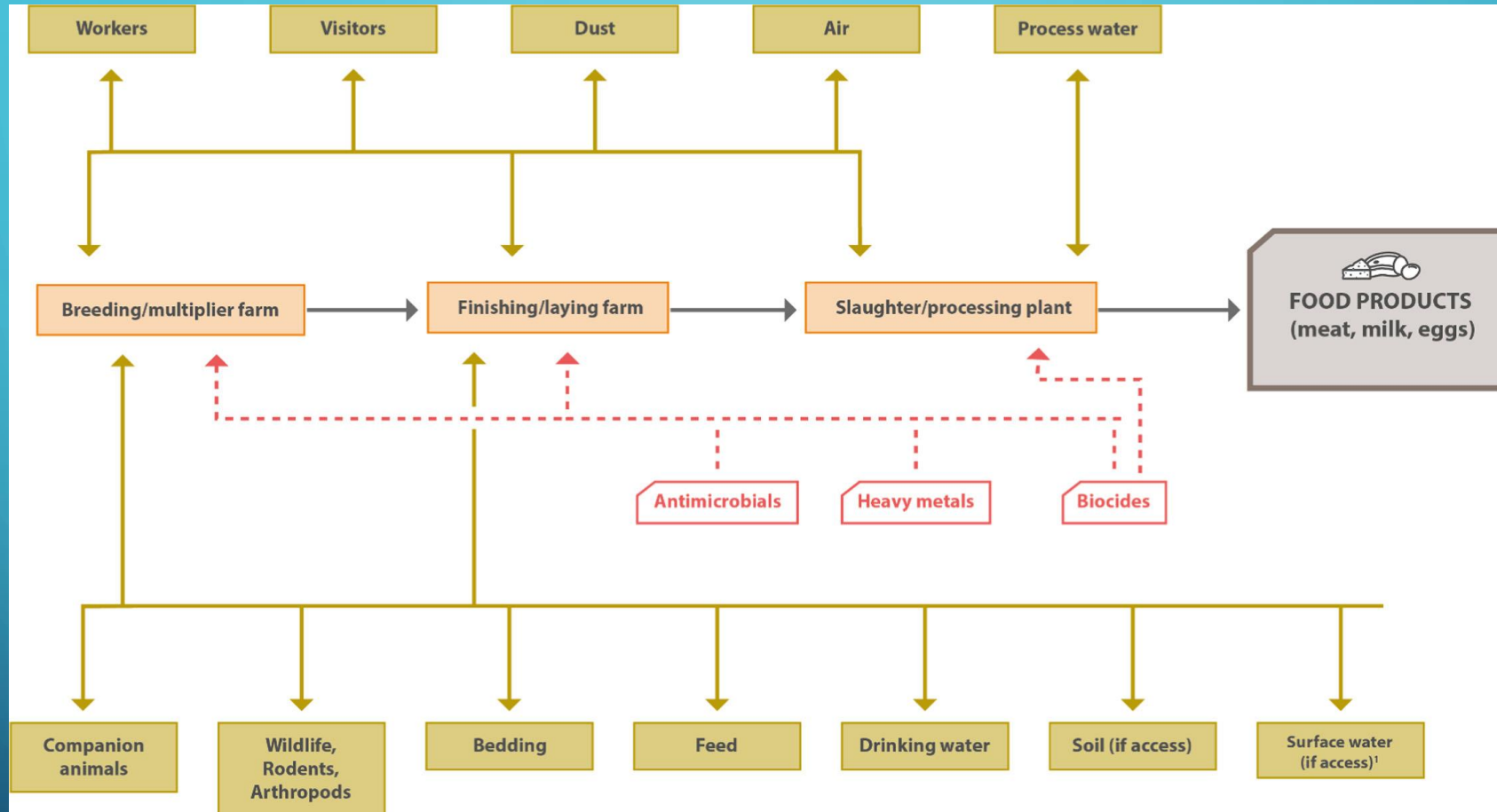
- improve the understanding in Australia of the transmission pathways and biosecurity priorities for mitigating AMR risks in livestock enterprises

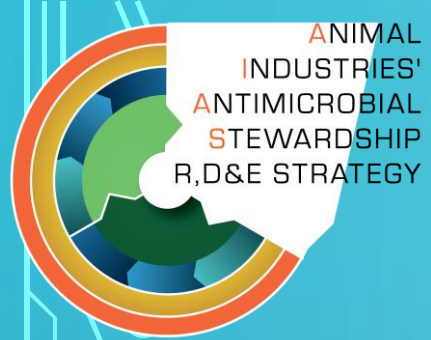
This project will:

- 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



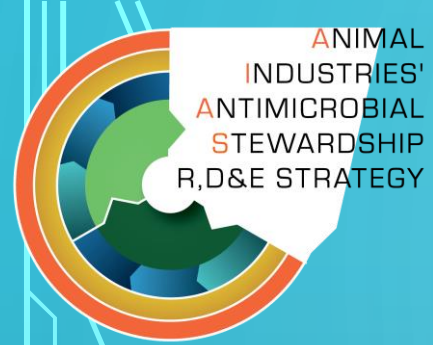
ENVIRONMENTAL SOURCES AND TRANSMISSION ROUTES OF AMR – TERRESTRIAL ANIMAL FOOD PRODUCTION SECTOR





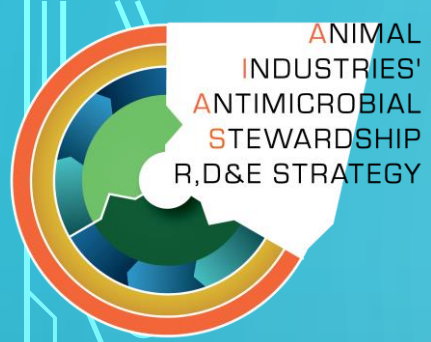
MITIGATING ON-FARM ANTIMICROBIAL RESISTANCE RISKS FOR LIVESTOCK INDUSTRIES

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



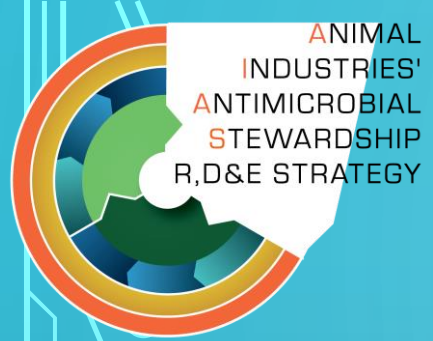
PROGRESS TO DATE

- 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



ACKNOWLEDGEMENTS

- DAFF
- AIAS members
- Dr Ian Jenson
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- Dr Rod Jenner
- Prof Sam Abraham



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THANK YOU