

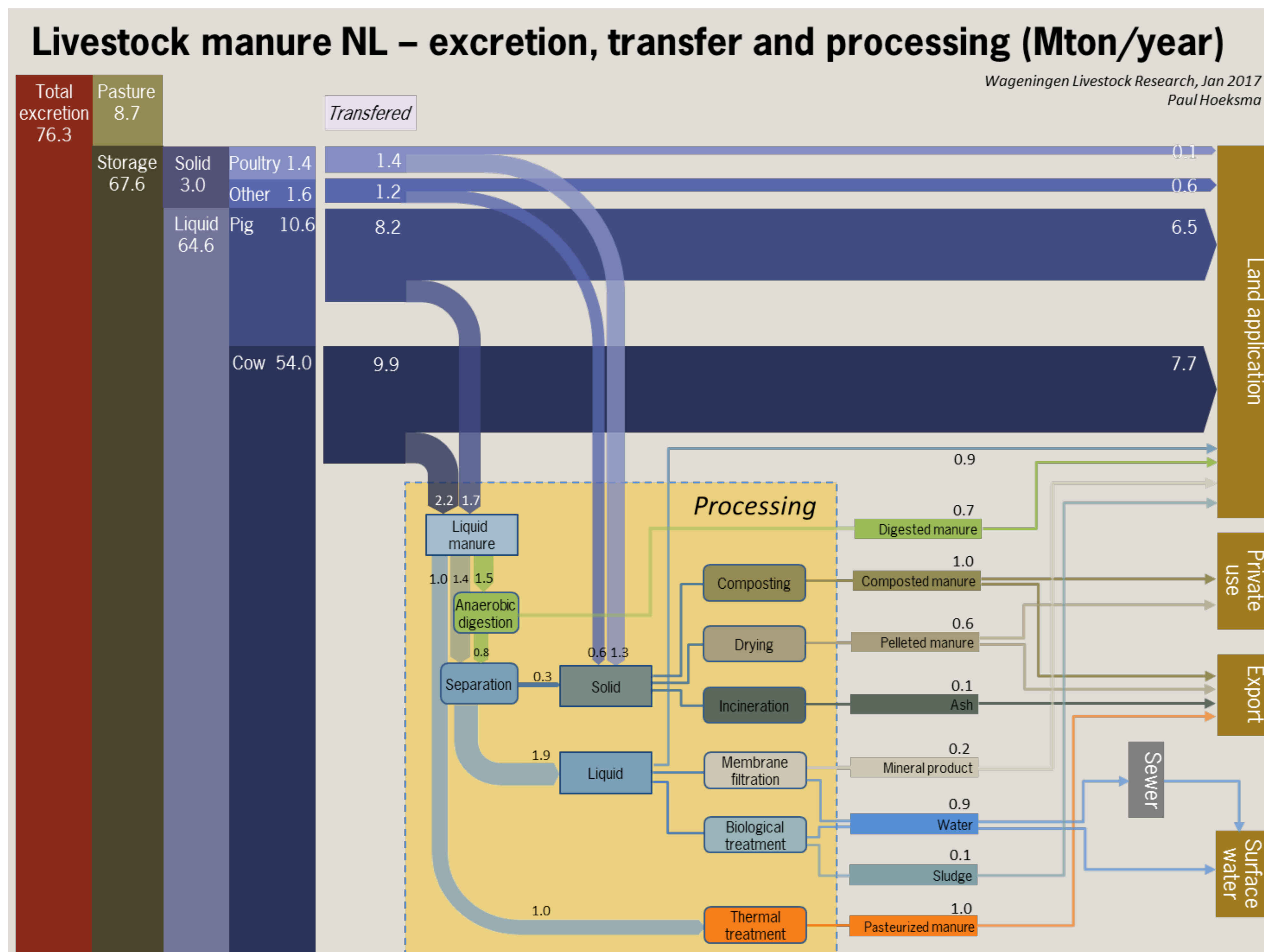
Global One Health

Risks of livestock manure application

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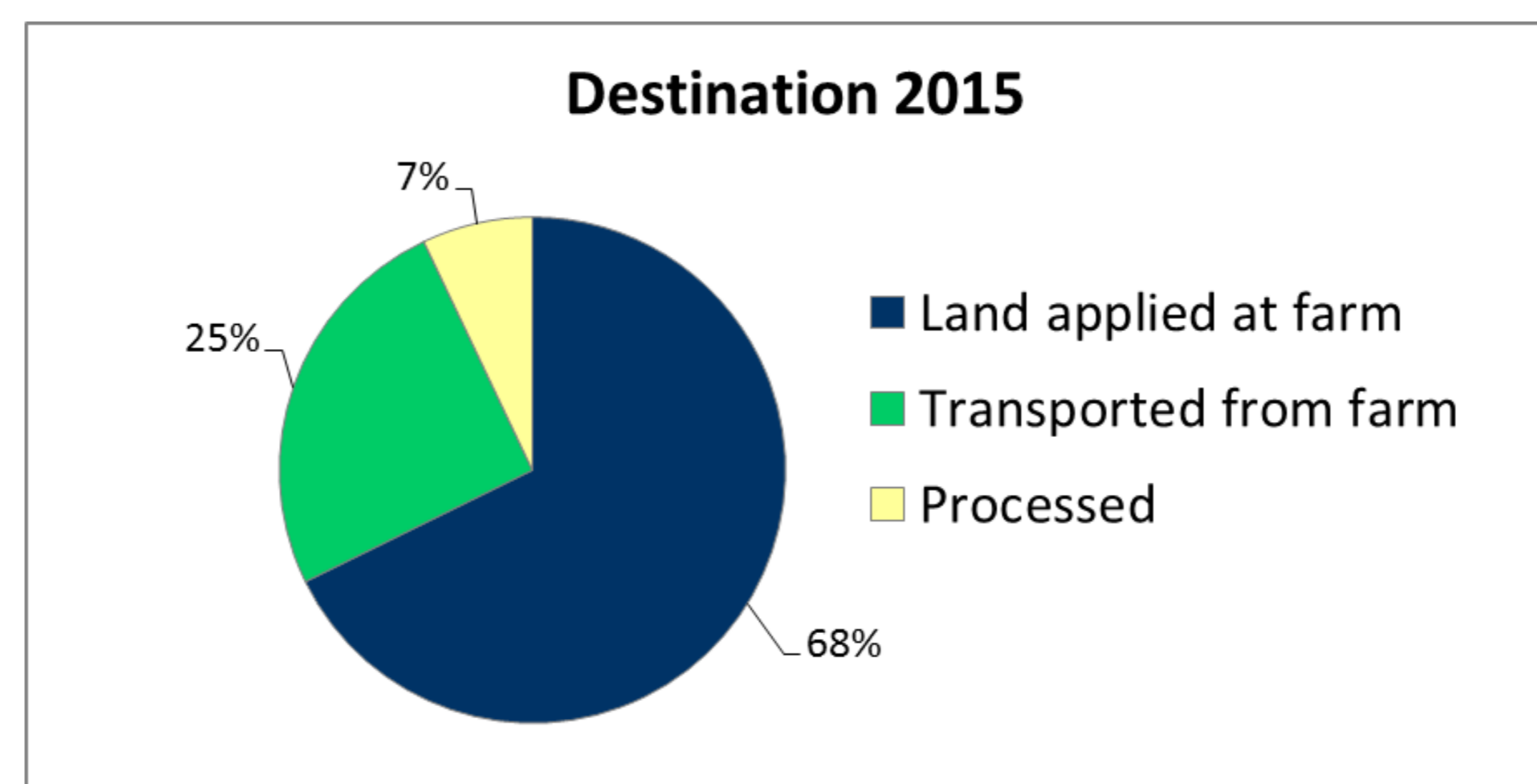
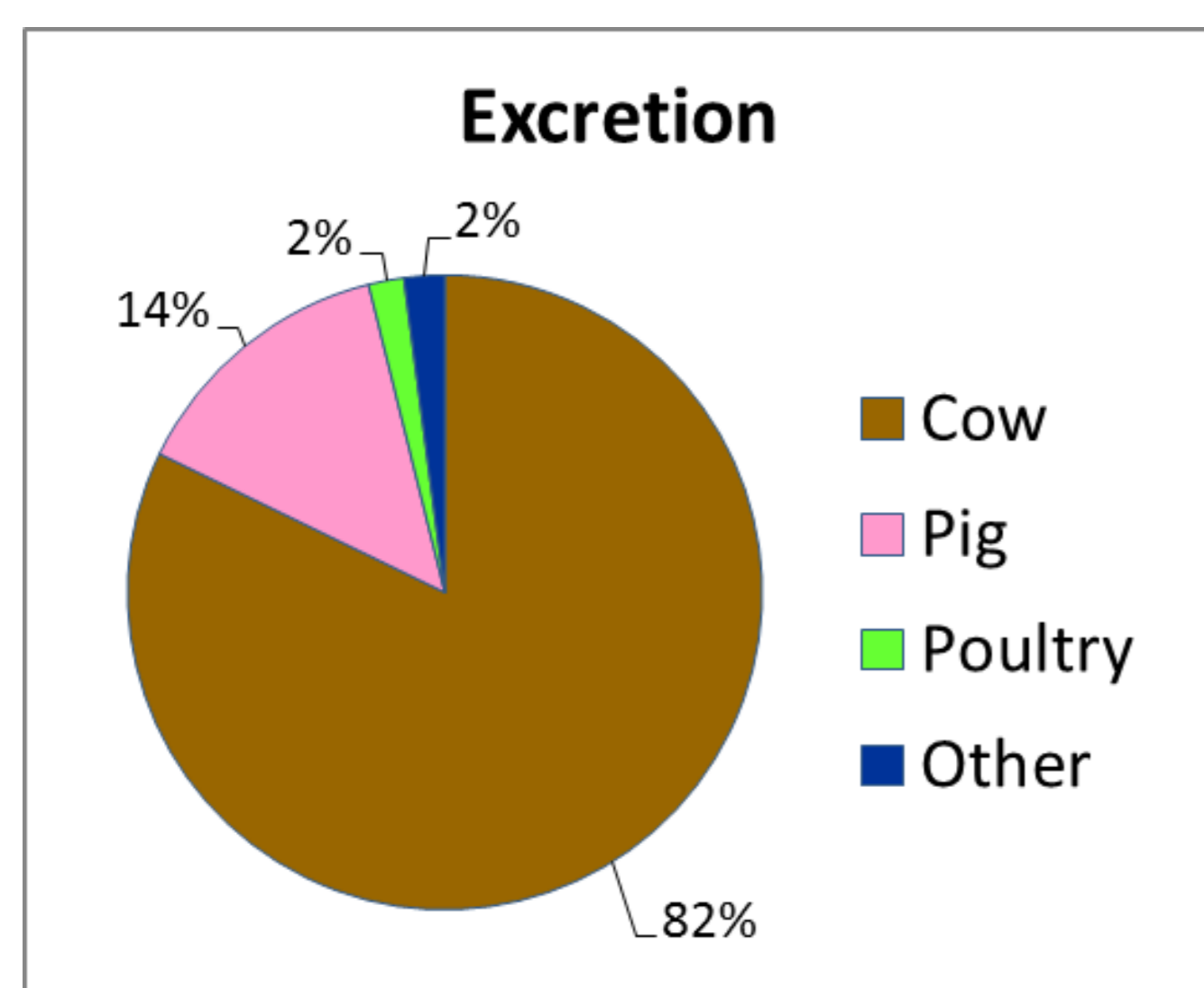
Topic

Study and model fate of selected veterinary medicines (antibiotics), antimicrobial resistant bacteria(genes) and pathogens in the chain from animal to the environment



Diagram

Total amount of manure excreted: 76.3 Mton
 Applied at own farm: 55.6 Mton
 Transported from the farm: 20.7 Mton
 Processed: 5.8 Mton



Transport



Anaerobic digestion



Solid-liquid separation



Composting



Membrane filtration



Land application