ENVIRE: Interventions to control the dynamics of antimicrobial resistance from chickens through the environment

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Introduction



Use of antibiotics in broiler chicken production results in the increase of antimicrobial resistance.



the ENVIRE project is to contribute to the reduction of the selection and the spread of antimicrobial resistance bacteria in broilers and from chicken farms to the environment, and ultimately to humans.



Focus will be laid on ESBL Escherichia coli and **Enterobacteriaceae**, on resistance against fluoroquinolones as well as colistin

WP1 - Intervention studies

Different intervention studies will investigate the potential of various on-farm measures:



Antibiotic free chickens raising

alternative for

antibiotics



Treatment or storage of manure



Depollution of farm effluents



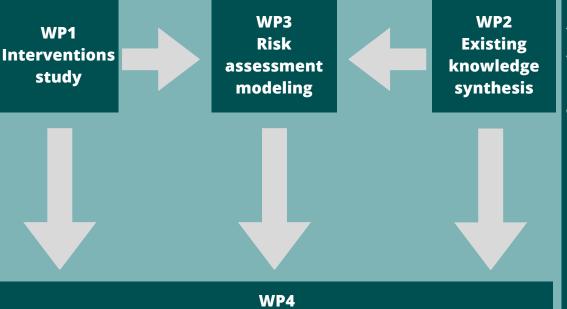
bacteriophages





E. coli vaccination

Project structure



Knowledge transfer and dissemination

Project partners

•Germany:

-Freie Universität Berlin¹ -Leibniz Institute for Agricultural

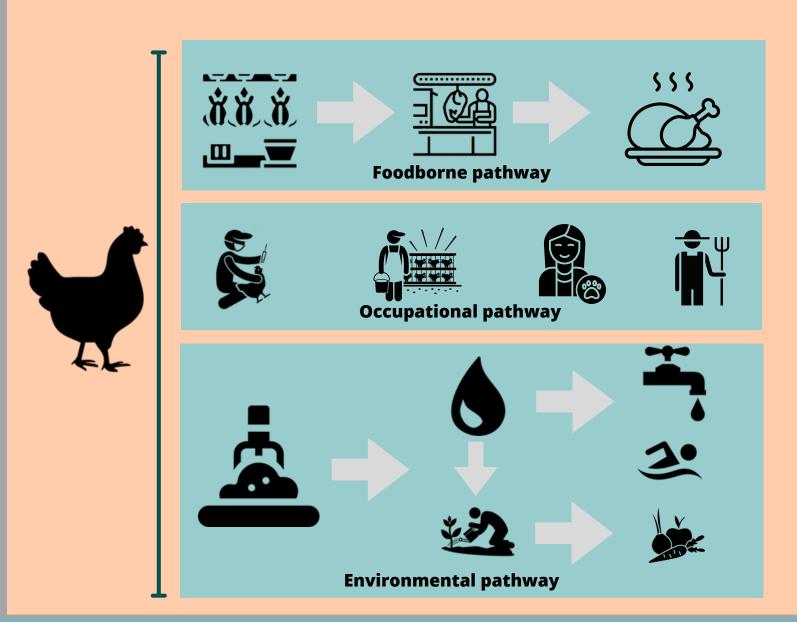
Engineering and Bioeconomy e.V.² •France: French Agency for Food, **Environmental and Occupational** Health & Safety (ANSES)³

•Lithuania: Lithuanian University of Health Sciences⁴

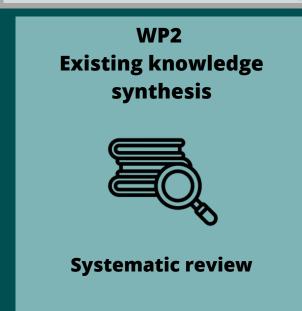
•Poland: Wrocław University of Environmental and Life Sciences⁵

•Tunisia: University of Sousse⁶

WP3 - Quantitative microbial risk assessment model









webinars!

