

Call: 7th Call - 2018 Network Call on Surveillance

Title: Wildlife, Agricultural soils, Water environments and antimicrobial resistance - what is known, needed and feasible for global Environmental Surveillance

Acronym: WAWES

Network composition

Type	Name	Institute	Country
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Partner	Patrick Boerlin	University of Guelph	Canada
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Partner	Bing Li	Tsinghua University	China
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Partner	Christophe Dagot	Université de Limoges	France
Partner	Sebastian Guenther	Universität Greifswald	Germany
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Abstract

The World Health Organisation (WHO), Food and Agriculture Organisation (FAO), and World organisation for Animal health (OIE), agree that surveillance of antibiotic/antimicrobial resistant bacteria (AMR) should be performed using a One Health multi-sectoral approach. Despite this, there is an overall lack of surveillance focusing on the environment and wildlife. Furthermore, there is unquestionably a lack of standardisation and synergy between projects and research efforts focusing on AMR in the environment and wildlife. The JPIAMR Strategic research agenda published in 2013 also highlighted the lack of data, comparable information and cross-sectoral studies on AMR in the environment. To amend this, we have initiated the WAWES network - *Wildlife, Agricultural soils, Water environments and antimicrobial resistance - what is known, needed and feasible for global Environmental Surveillance*, which consists of 27 partners from 16 countries from all over the globe representing low to high income settings. The WAWES participants have a shared objective of finding a way to perform global comparative surveillance of AMR in the environment and wildlife, which is furthermore applicable in the majority of countries irrespective of economic resources. Due to the complexity of the environment WAWES will in the initial phase focus on wildlife, agricultural soils and water environments, including wastewater.