



Better Training for Safer Food *Initiative*

Antimicrobial Resistance One Health approach

Working Group – KNOWLEDGE GAPS

BTSEF

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Food safety

Malaga, Spain – 25-28 November 2019

AG5 Knowledge Gaps

Group activity – split into smaller groups and each will address a set of questions following specific issues and themes around the uncertainties and knowledge gaps in our understanding of AMR in the environment

Workgroup activity

Task 1 – At your table, discuss each of the suggested indicated questions and be prepared to make a brief summary plenary presentation of your key findings or discussion. You may look at the other questions, or indeed and preferably come up with your own questions or issues.

Task 2 – discussions within each group, appointed spokesperson for the group – feedback to others in plenary session

Plenary discussion with Q&A session



Some example questions - Governance

- What needs to be done across the member states to improve the governance of AMR in the environment?
- Given that the existing evidence base is weak for the environmental consequences of AMR – should we simply use the precautionary principle?
- How much data is required before regulators can develop regulations or guidance that could be adopted by the member states?
- What is the likely public health impact of exposure to food under the influence of environmental AMR?
- Can we move to guidelines or recommendations or best practice documents given the absence of scientific evidence about the negative impacts of AMR in the environment
- How do we protect the environment, people or animals from the impacts of AMR in the environment?

Some example questions - Evidence

- How would we/ can we assess the human and animal health risks from the environmental exposure of AMR?
- Is the measurement of AMR residues important, if so, what do we, should we, can we measure?
- How can the results of any intervention in one sector be measured against the change in the environmental burden of AMR in another?
- What are the complications inherent in comparing the results obtained using different methodologies for AMR residues in the environment?
- Can AMR residues in soils, water or animal feeds grown in contaminated environments result in in vivo selection in gut fauna of produced fish, poultry, livestock or wildlife?
- What is the extent of evidence that animals including fish or plants become colonised with AMR organisms from environmental sources?



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