



# Assignment to Norwegian Scientific Committee for Food and Environment - Antibiotic resistance

## Background to the case

The Norwegian national strategy against antibiotic resistance 2015-2020 builds on the report of a cross-sectoral expert group "Antibiotic resistance - knowledge gaps, challenges and current measures" from August 2014. In 2020, the Environment Agency has been commissioned to participate in a cross-sectoral group which will update the report.

The Environment Agency represents environmental management and is responsible for themes nature and the environment in the cross-sectoral work.

At present, nature and the environment are divided into waste, sewage and wastewater, and land environment in the sea.

Within different areas, this must be explained

- new knowledge since 2014
- measures and status in Norway and international 2020
- Knowledge gaps and strategic challenges

As a follow-up to the National Strategy against Antibiotic Resistance 2015-2020, many activities have been initiated in Norwegian Scientific Committee for Food and Environment. The Environment Agency wants advice and contributions from Norwegian Scientific Committee for Food and Environment to describe status in 2020 and knowledge gaps.



Results from this assignment will be used specifically in the expert group's work on updating the knowledge base that will form the basis for an upcoming strategy for work against antibiotic resistance

The concept of One Health is an approach that recognizes that human health is closely linked to animal health, and nature and the environment in which both animals and humans live. One Health is a strategy for interdisciplinary collaboration and communication in all aspects of human health, animal health, nature and environment. Many of the microbes that infect animals and humans share the ecosystem in which they live. Efforts in only one sector cannot eliminate the problem. Therefore, a cross-sectoral approach is important. To operationalize the concept of One Health entails a holistic, ecological approach to human health.

**Assignment:**

The Environment Agency asks Norwegian Scientific Committee for Food and Environment to compile the status and challenges from relevant Norwegian Scientific Committee for Food and Environment reports prepared during the period 2015-2020, cf. Appendix.

The Environment Agency wishes that, based on Norwegian Scientific Committee for Food and Environment reports on the topic of antibiotic resistance in the period 2015-2020, Norwegian Scientific Committee for Food and Environment compiles a brief summary of what Norwegian Scientific Committee for Food and Environment sees as significant challenges in the field of antimicrobial resistance in nature and environment in 2020. The assignment includes antibiotic-resistant bacteria, resistance genes and resistance drivers.

**Relevant reports / websites etc:**

List of references, links. See Attachment

**Conditions:**

The summary of knowledge must be written in English with a Norwegian summary. The report is published in dialogue with the Environment Agency. We also refer to the cooperation agreement between the Environment Agency and the Ministry of Environmental Affairs and Innovation.



The deadline for submitting the report is 18.09.2020.

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