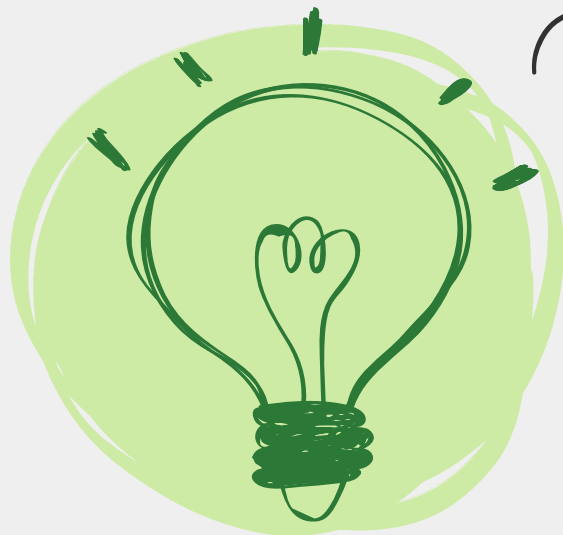


SUITABLE ALTERNATIVES TO SYNTHETIC ANTIBIOTICS



Current social demands for a food production as sustainable as possible imply the reduction of the consumption of antibiotics widely used in animals (European strategy called "Farm to fork"). Some commercial products are emerging as alternatives to satisfy these new demands. Although the beneficial effects of many of these developed alternatives are well demonstrated, there is still a lot of disinformation about them.



This project proposes the use of **safe natural extracts** as complementary solutions to the use of synthetic antibiotics in animal production. From the concentrated active extract of white grape marc, therapeutic compositions that do not represent any risk for industries, livestock farmers, and consumers will be obtained. It will be necessary to know the chemical composition in bioactives and their efficacy to ensure the adequate efficiency of these new products as well as to meet market requirements.



The presence of certain substances known as **polyphenols** gives this alternative **added antimicrobial properties**. In addition to inhibiting the growth of microorganisms in feed, as a natural preservative, and modulating the microbiota, these products also improve the antioxidant status of the animals and control possible infectious diseases. As a result, the health status and welfare of the animals will be significantly improved, ensuring food safety and also the protection of the environment