

BLUE AGRO
BIOSCIENCE

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ANISAN

NEW PROBIOTICS

ANTIBIOTIC AND ZINC
SUBSTITUTES FOR
IMPROVED PIG HEALTH

 **Gobierno
de Navarra** **Nafarroako
Gobernua**

Eskualde Garapeneko Europako Funtsak:
"Europa egiteko modu bat"
European Regional Development Fund:
"A way to make Europe"



Europar Batasuna
European Union

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In late 2016, the Committee for Veterinary Medicinal Products (CVMP) of the European Medicines Agency (EMA) recommended the refusal of existing marketing authorisations for veterinary medicinal products containing zinc oxide (ZnO) to be administered orally to food producing species due to concerns regarding the potential risk to the environment of soils and their potential filtration to water, as well as the increased prevalence of antibiotic-resistant bacteria.

The breeding of smaller piglets without the use of zinc oxide along with the prohibition of prophylactic antibiotics makes the weaning of piglets and their subsequent growth stage a critical stage, with great difficulties for pig farmers.

The ANISAN project proposes the development of products based on the combination of micro-organisms beneficial for the intestinal flora of the animal and substances of plant origin that definitively replace zinc oxide or more potent antibiotics.

SPECIFIC PROJECT GOALS

- Development of a new probiotic as a substitute for Zinc Oxide.
- Improving animal health by improving animal welfare in pig farms by reducing the stress of sows and weight imbalances in newborn piglets.
- Improved quality of sow colostrum after administration of the new probiotic developed.
- Reduced farm mortality rate.

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