



THE POWER OF GRAPE EXTRACTS



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<https://www.neogiant.eu/>





The Project

NeoGiANT offers innovative solutions based on the known potent natural antimicrobial and antioxidant activities of grape marc extracts, due to their arsenal of phytochemicals. Suitable bioactive molecules from white grape marc will be identified, with a validation of their benefits (e.g., antimicrobial, antioxidant) and recovered for matching their sustainable sourcing and processing with efficient and cost-effective use in animal production.

Customers demand solutions for animals' health with no side effects for animals and final consumers. They also demand environmentally friendly products. Natural extracts produced within the NeoGiANT project fulfil these demands. These extracts will be produced as an alternative to synthetic compounds with antimicrobial and antioxidant capacities. NeoGiANT products are based on 3 pillars:

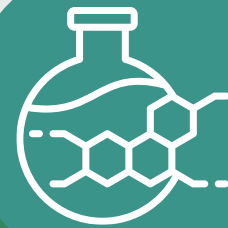
- 1) The use of local biomass sources
- 2) Cost-effective, efficient and sustainable production
- 3) Obtained functional ingredients in sustainable circular economy production systems.

Objectives

The main objective of NeoGiANT is to develop and validate innovative natural formulations with antimicrobial and antioxidant properties from the valorisation of white grape marc, to be used in cattle, swine, poultry and farmed fish production in the FEEDING, HEALTH and REPRODUCTION areas, aiming to reduce the dependence on the use of antibiotics in animal/aquaculture production.



To validate an innovative extraction process to obtain bioactive compounds from white grape marc byproduct



To demonstrate the antioxidant and antimicrobial activities of the extracts and the formulations



To validate at pre-commercial level feed products with natural eubiotic capacities



To validate a treatment for bovine infection based on natural extracts



To validate natural antimicrobial compounds to treat infections in swine and fish diseases

Objectives



To reduce the dependence on antibiotics in artificial insemination (AI) of farmed animals



To demonstrate environmental & economic feasibility of NeoGiANT extraction process by conducting a LSCA



To control legal aspects applying to NeoGiANT products and contribute to policy developments



To assess the potential business opportunity of NeoGiANT products



To improve consumer perception about ingredients coming from by-products by communicating the NeoGiANT project impact and disseminating positive results

Objectives



To create new cross sector interconnections between the Agri-food sector and the animal healthcare sector



To maximize the impact of the project through a tailored Business Plan and Standardisation activities



Our final applications



Animal feed

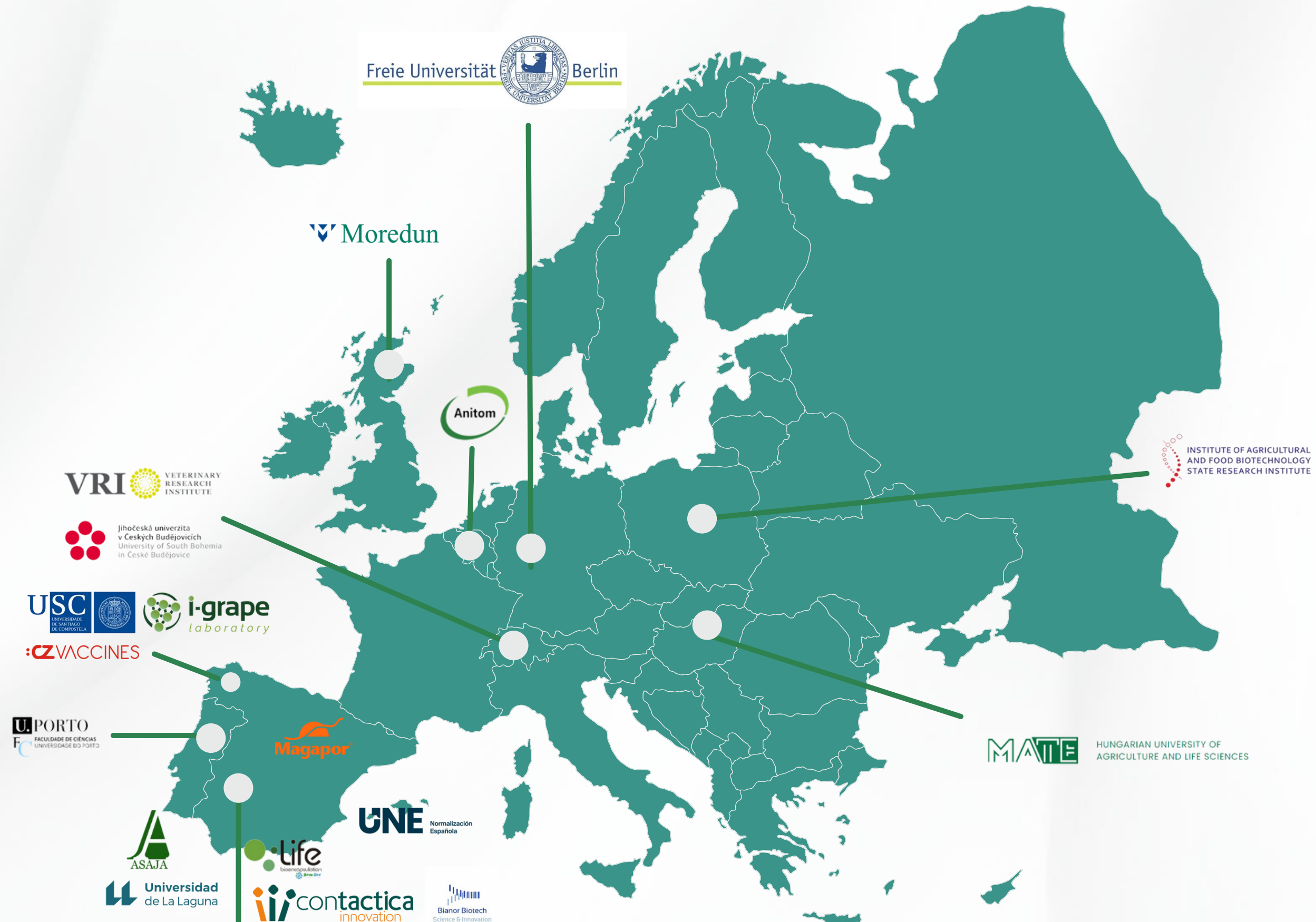


Treatment products



Semen extenders

Our Consortium in Europe



Our Consortium in Latin America



CONICET





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