Reduction of antibiotics use in farming practices in East Africa with a technology transfer and pilot project in Kenya

PARTNER COUNTRY: Slovenia
DURATION OF THE PROJECT: 2 years

PROJECT SUMMARY

This project aims to transform agricultural practices in Kenya by introducing innovative bacteriophage-based solutions as eco-friendly alternatives to antibiotics/pesticides. Addressing the overuse of antibiotics in agriculture, the initiative mitigates antimicrobial resistance (AMR), enhances soil and water quality, and supports sustainable farming practices. By aligning with Kenya's National Policy for the Prevention and Containment of AMR and the FAO agreement, the project contributes to improved public health, food safety, and environmental protection.

The project will empower rural communities, particularly women farmers, by fostering capacity building, reducing health risks, and promoting economic independence. It includes knowledge transfer, partnerships with Kenyan institutions such as the University of Nairobi, and training programs to enhance local expertise in bacteriophage research, development, and application.

The initiative encompasses key activities such as bacterial and phage isolation, development and testing of phage cocktails, and field trials to validate efficacy. Ultimately, it aims to establish a local technology transfer partnership to promote local product development and Kenya-wide availability thus ensuring long-term impact and sustainability of this project.

This project directly supports Kenya's sustainable agricultural goals and global Sustainable Development Goals (SDGs), including SDG 1 (Ending poverty), SDG 2 (Zero Hunger), SDG 3 (Good Health and Well-being), SDG 5 (Gender Equality), and SDG 15 (Life on Land). Through its focus on environmental stewardship, gender equality, and innovative solutions, the project paves the way for a more resilient and inclusive agricultural future in Kenya.

PROJECT PARTNERS:

- International Center for Promotion of Enterprises (ICPE)
- Jafral d.o.o.
- University of Nairobi, Department of Biology
- JTBD Ltd.

PROJECT TEAM:

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