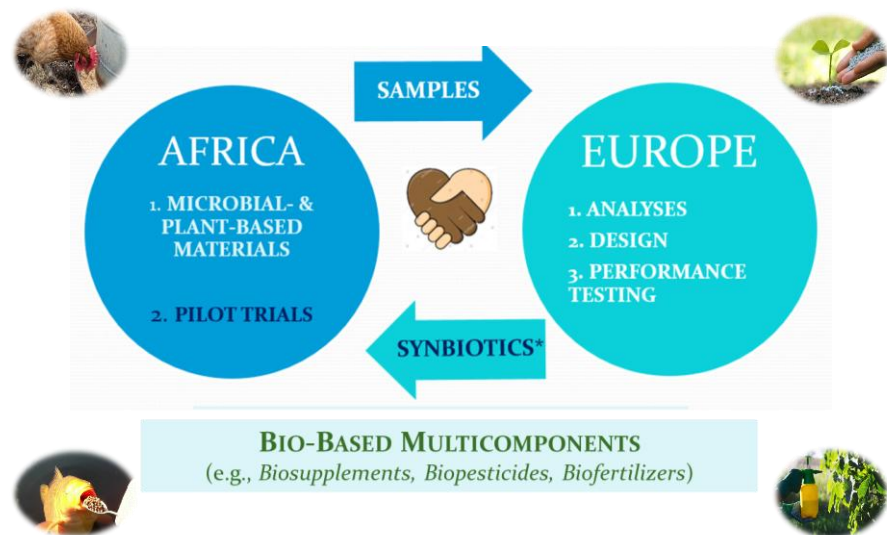


Bacillus subtilis B3VCR2 is one of the selected strains from URBANE project to formulate synbiotics for sustainable animal & plant farming

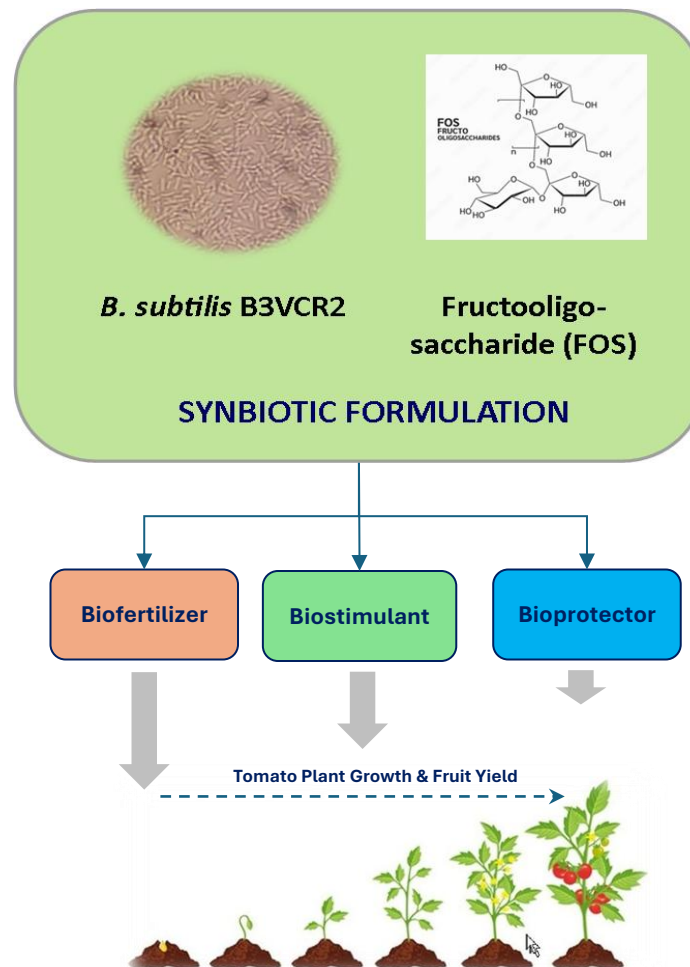
ONE HEALTH APPROACHES TO SUPPORT AGROECOLOGICAL TRANSFORMATION OF PERI-URBAN FARMING

Objective: URBANE aims to develop & demonstrate through 6 case studies in Africa a series of **technology-** and **nature-based solutions** (WP4, ULIEGE), applying a **One Health approach** for tackling issues related to the application & intensification of peri-urban agriculture (e.g., food nutrition security, zoonotic diseases, environmental degradation, antimicrobial resistance, etc.)



16 COUNTRIES (10 EU & 6 AFRICA) & 27 PARTNERS

Type of action: HORIZON Research and Innovation Actions Project
Duration: 48 months (2022-2026)
Total budget: 5.015.233,25 €
Coordinator: CYPRUS RESEARCH AND INNOVATION CENTER LTD (CY.R.I.C)
Website: <https://urbane-project.eu/>



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FULL ANALYSIS & VALIDATION WORKFLOW

Strain isolation

Identity determination

- 16S rRNA Genome Sequencing
- MALDI-TOF-Mass Spectrometry
- Thermal Fingerprinting

In silico analysis

- Whole Genome Sequencing
- Bioinformatic Analyses
- Gene Screening

In vitro assessment

- Microbial profiling
- Metabolic profiling
- Safety control

In techno production

- Biomass yield
- Cell viability

In vivo validation on TOMATO

- Plant growth
- Fruit yield