**SCALING UP BIOCONTROL USING STERILE INSECTS AS PHORETIC AGENTS**

**Why?**

- Innovations relying on ecologically-based control of insect pests and vectors of plant, human and animal diseases are needed to respond efficiently to global food demand, while addressing societal concerns for safer food, better health and environmental protection.

**Our approach**

- High-quality basic and applied research on biopesticides, phoretic agents, target systems, deployment scale, risk assessment, implementation and impact.
- Accurate evaluation of feasibility and sustainability.

**Our concept**

- The Biophora (Biocontrol Phoretic Agents) project focuses on developing biocontrol systems based on the release of insects as conveyors of biopesticides for the control of conspecific or hetero-specific crop pests or disease vectors. One promising application of this concept is the boosted sterile insect technique using a densovirus to control mosquitoes (Bouyer et al. 2016, fig. 1).

**Reference**