Control of the sugarcane white grub in Réunion: a success story

The impact pathway

Input
- 50 years of research on sugarcane in Reunion
- Knowledge on white grub biology
- Experience in biocontrol by research
- White grub committee: Constant and substantial public subsidies

Output
- Management of white grub using B. brongniartii
- Application techniques (wheelbarrow)
- 1st biocontrol product: Sporized rice (small scale production)
- 2nd biocontrol product: Betel® (industrial production)

Outcome
- Soaking operations by technicians, growers, research, and local communities
- Infestation Monitoring network (FDGIDON, DAAF, CIRAD and growers)
- Betel® application by growers using their own machinery
- Creation of BETEL production plant by individuals

Impact 1
- Strengthening of stakeholders' cohesion
- End of white grub nuisance for the population
- Stop of chemical applications
- Viability of plantations
- Support for the activities of the sugarcane value chain
- Adaptation of plant protection product distributors

Impact 2
- Value chain more environment-friendly
- Sustainability of biocontrol
- Worldwide recognition in biocontrol