3Fs –
Flies
Feed/Fertilizer
Food

Application for Bag2TheFuture grant

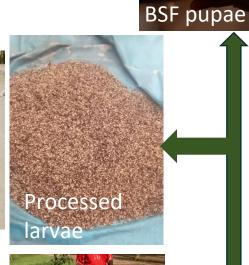
Katja Prelle, Sandra Noack, Paul Selzer Boehringer Ingelheim Vetmedica



Black Soldier Flies – a circular bioconversion of organic waste into livestock feed











BSF love cages

BSF eggs





The BSF Farm at The Ewaldi Community School in Uganda has a multi-dimensional impact

- **on environment**: chicken manure and organic waste recycled by the fly larvae is not contaminating the environment
- **on resources**: fly larvae frass is used as compost, no need to buy fertilizer
- **on livestock**: larval biomass is used as protein feed, no need for soja bean protein supplement
- **on ecosystems**: no need for fish protein supplement. Silver fish growing in Lake Victoria are impacted by overfishing
- **on education**: school kids are learning about the circular economy being multiplicators when going back to their home communities
- **on entrepreneurship**: the BSF farm will become a small, but sustainable business by selling larval biomass processed by solar drying allowing longer-term storage





3Fs project at the Ewaldi Community School in Uganda

- School farm animals fed with BSF larval biomass provide food for the kids and upgrade their mainly vegetarian daily diet
- Larvae, chicks or eggs will be sold to small animal holders in the nearby community to generate some income
- This money will be invested at the school for maintenance and new installations (e.g. new water supply and lights)



