PROJECT DELIVERABLE REPORT
Deliverable D2.3: DETAILED BIOLOGICAL DATA (RESPONSE TO ENVIRONMENTAL STRESS OF 3 FF UPLOADED IN A WEB DATABASE)

Fruit Flies In-silico Prevention & Management
FF•IPM

Project Title:
In-silico boosted, pest prevention and off-season focused IPM against new and emerging fruit flies ('OFF-Season' FF-IPM)
SFS-2018-2

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Summary

Here we present our deliverable on measuring trait data for informing field population dynamics and modeling tasks for FF-IPM and enhanced pest management.

WP2 Objectives were to:

- Generate a new set of biological data to feed modelling procedures focusing on wild populations of target FF
- Fill major knowledge gaps of key aspects of the biology of the target FF pests

The Zoho drive contains new results and raw data for experiments assessing thermal acclimation responses (a form of phenotypic plasticity) and among-population variation in upper and lower thermal limits (CTmax and CTmin), acute cold survival, chill coma recovery time (CCRT) and supercooling point (SCP) (a measure of cold tolerance), desiccation resistance and starvation resistance for our three focal fruit fly species, contributed by each of the respective teams. It also contains the new results and raw data of the response (survival and developmental rates) of the immature stages of temperate populations of *C. capitata* (medfly) in two overwintering hosts under constant and fluctuating temperature conditions, as well as the adult life-history traits of emerging flies under the similar, constant conditions.