

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

PROJECT DELIVERABLE REPORT

**Deliverable 1.3: FINAL TECHNICAL REPORT ON THE R&D
ACTIVITIES**



**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

"This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 818184– H2020-SFS-2018-2"



1 Summary

This report gives an overview of all Research & Development activities conducted throughout the entire duration of the project. It starts from the interim report (Deliverable 1.2) that summarized the R&D activities in the first 24 months of the project and demonstrates how the activities and tasks progressed since then. It is based on the quarterly technical reports that were compiled on a regular basis, as well as on the annual reporting by all consortium partners concerned. For each Work Package (WP) 2 to 6, it lists the different tasks as initially planned, and the situation at month 24. It then provides an outline of the progress made and summarizes the actual realizations at month 54, with reference to the associated deliverables where applicable. When in discordance, it explains the underlying reasons for non-compliance with the planned program.

The report shows that all of the planned tasks progressed as planned, albeit with some activities delayed primarily because of the COVID-19 pandemic that affected the regular functioning of the project dramatically, as outlined in the interim report (deliverable 1.2.). These delays mainly impacted activities and tasks in WP5 & WP6 that relied on initial outputs from other WPs (mainly WP2, WP4 and to some extent WP3). This was already anticipated when compiling the interim report and led to the request for an extension of six months of the project (i.e. total duration of project extended to 54 months, rather than the initial 48 months). This extension was granted without any additional budget. Thanks to the extension, all planned activities were executed and objectives achieved.

It is concluded that, although the general impact of the COVID-19 pandemic together with some other technological issues, is not negligible, the project managed to achieve its R&D goals. The planned products, services and tools were all developed, although the actual functioning of some (in particular e-nose) did not provide the anticipated results. These R&D outputs contributed to the raise of the anticipated Technological Readiness Level for the majority of the technologies proposed, as outlined in deliverable 7.6. All associated deliverables were generated and uploaded, albeit again with some delays for several of them.

2 Introduction

2.1 Purpose and Scope

The final R&D report aims at providing an overview of the Research and Development activities conducted by the different consortium partners within the framework of the different tasks in WPs 2 to 6 over the whole duration of the project (i.e. the initially planned 48 months and extension of six months). The report compares the final output with the initial plans and highlights the progress made since the interim report (Deliverable 1.2) produced at month 24 of the project. While the latter was intended as a monitoring tool to evaluate the progress made in these fields, and tools and services already developed, this final report focuses on the final achievements. In a general assessment per WP, it refers to the general situation with regards to achieved results and indicates