

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

PROJECT DELIVERABLE REPORT

Deliverable D5.6: Strategic guidelines for application of DS-Alert and optimised early warning system



**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

The DS-Alert system includes several tools that cover the entire spectrum of the Biosecurity paradigm range: Pre-Border, Border and Post-Border Stages. Tool development was centred on exotic fruit flies of interest to the European community, and some of them were based on stakeholder's workshops that guided developments. The developed tools are aimed to assist stakeholders in their decision-making process. These information tools include static and dynamic applications, such as static risk maps generated by bioclimatic modelling, dynamic risk trade paths of commodities with high risk of being infested with exotic fruit flies, real-time mapping of intercepted exotic fruit flies, dynamic alerts of exotic fruit fly's interceptions (especially *Bactrocera* sp.), a user-interface to guide stakeholders in the establishment of surveillance trapping nets in post-border settings, etc. The current deliverable provides a structured list of products and their short description, and a guideline to their implementation on Pan-European and National stakeholder's organisations. The implementation suggested follows several steps: stakeholder's organization formal intention and agreement with members of the FF-IPM consortium, establishment of administrative responsibilities, training and adaptation to stakeholder's need, implementation and follow-up. In order to reach stakeholders, dissemination efforts will continue by members of the consortium.