



VIRTIGATION – Emerging viral diseases in tomatoes and cucurbits: Implementation of mitigation strategies for durable disease management

Deliverable 1.4

RESULTS AND ACHIEVEMENTS OF THE VIRTIGATION MULTI-ACTOR APPROACH – PRACTICE ABSTRACTS BATCH 1

Due Date:	30/06/2023
Submission Date:	30/06/2023
Dissemination Level:	PUBLIC (PUB)
Lead beneficiary:	FUNDACION TECNOVA
Author:	Guadalupe López Díaz glopez@fundaciontecnova.com
Project acronym: VIRTIGATION	Project Number: 101000570
Start date of project: 1 st June 2021	Project duration: 48 months, until 31 st May 2025



1 PUBLISHABLE SUMMARY

This deliverable presents a compilation of 14 practice abstracts of the results and knowledge generated during the first period (M1-M18) of VIRTIGATION project.

Meaningful results from first period of the project and summarized in this Practice Abstracts Deliverable are connected to relevant topics on the virosis control, such as

- Transmission of ToLCNDV by different whitefly vectors and reservoir / hosts plants
- IPM control of whitefly on vegetable crops and climate change impact
- Diagnosis, monitoring and symptoms, latent infections
- Tools and methodologies for insects monitoring: eggexplorer
- Disinfection methodologies
- Identification of resistance genes for virosis control

In addition, the results of co-creation activities performed with the help of NKB in different countries during these months are included:

- **Workshops organized with stakeholders** with conclusions from the interactions between stakeholders and VIRTIGATION partners, where main concerns raised such as long times for new varieties development due to gene -editing restrictions, administrative requirements, efficient diagnosis methodologies, good practices in farm management to prevent transmissions
- **Questionnaire to farmers on whiteflies control and distribution** in conventional farms with chemical control and biorational ones with IPM control in Belgium, France, Italy and Spain