



## **XI Convegno Nazionale di Viticoltura**

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# **LIBRO DEI RIASSUNTI**

### **Volume a cura di**

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Riassunti dei lavori presentati al  
**XI Convegno Nazionale di Viticoltura**  
**Bolzano, 9-11 Giugno 2026**

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## **DigiAgriApp, using the free and open source application to monitor agricultural fields in viticulture**

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### **Scopo della ricerca**

This poster will showcase some of the features and a use case of the DigiAgriApp application in viticulture. DigiAgriApp is a multi-platform client/server application for monitoring agricultural fields developed by the Fondazione Edmund Mach and released under a free and open source licence. DigiAgriApp allows you to install the server on your own server and therefore have full control over the data collection chain.

### **Materiali e metodi**

This new application was first adopted by a fruit growing unit of Fondazione Edmund Mach, but over the last year, some specific features for viticulture have been added. In particular, the ability to recognise *Scaphoideus Titanus* on yellow sticky traps using a machine vision model has been added. Other useful features, developed at the request of users, are related to the surveying and thematic visualisation of plants. The application was first used in viticulture in the summer of 2025 in a project related to flavescence dorée.

### **Principali risultati**

During the first summer of use, it was possible to monitor more than 7,000 plants accurately, marking more than 120 diseased plants and recording other useful information. The software allows you to easily obtain tables, graphs and maps representing various aspects related to the field.

### **Conclusioni**

The experience of summer 2025 demonstrated how DigiAgriApp can also be used in viticulture, simplifying monitoring activities and allowing for the collection of large amounts of data in a very timely manner. The data can be used in further studies and to train predictive models.