



Supported by:



Start: 01/07/2016  
End: 30/06/2019

Budget: 200.000 €

## Operational Group:

Evaluation of carbon footprint in relation to highly sustainable viticulture systems

*Valutazione dell'impronta di carbonio in relazione a strategie viticole ad alta sostenibilità*

## Practical problem

The agricultural production is one of main sources of greenhouse gases, however there's little information on energy use and CO<sub>2</sub> emission on fruit systems. This condition deeply affects the vineyards, especially those located in Italy and Emilia-Romagna Region.

## Partners

Type:	Name:
Research Institutes	CRPV Soc. Coop.; Astra - Innovazione e Sviluppo; Alma Mater Studiorum, Università di Bologna; Università Cattolica del Sacro Cuore
Farms	Soc. Agr. Manzoni; Soc. Agr. Podere della Rosa; Az. Agr. Ovi Dina
Wineries associations	Gruppo CEVICO; CAVIRO
Wine-growers and wineries association	Cantine Riunite & CIV
Wine-growers association	Cantina Sociale di San Martino in Rio

## Project

Objectives:	The project aims at getting a deeper insight on carbon footprint in vineyards in relation to highly sustainable agricultural systems, that are able to reduce carbon emission and enhance carbon sequestration.
Expected results:	The aim is to demonstrate to growers who adopt or want to adopt organic or biodynamic production method, the benefits of innovative agronomic techniques in terms of carbon sequestration. These techniques consist in management of soil (cultivation along row of self-seeding legumes and between row of a mixture of herbaceous species) and canopy (topping techniques, late defoliation and use of kaolin).
Results so far/first lessons:	Self-seeding legumes and mixture of herbaceous species have shown a good settlement capacity. The first reliefs indicate an improvement of plants microclimate, an increase of biodiversity and a positive carbon footprint budget in thesis where cover crops are used.
Who will benefit:	Winegrowers.

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