

## Partner

University of Nova Gorica (PP1)  
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## Report

Lecture: "effects of leaf removal  
on grape quality

## Date

05/02/2014

## Place

Vipava, Slovenia

## Participants:

**Paolo Sivilotti, Principal Investigator PP1**  
**Melita Sternad Lemut, Investigator PP1**

## Report:

The lecture, organised by KGZ (PP4), was held in the Lanthieri Dvorek in Vipava. The speaker analysed several aspects related with the canopy management, and at the beginning an overview of the research carried out in the last 10 years was described, examining the aim of the different trials carried out and the results obtained, similarly to what presented in Dobrovo on 14<sup>th</sup> January.

To come to the focus of the lecture, the results obtained in trials regarding fungicide effectiveness, hormone and calcium applications were presented. The main focus of the lecture regarding leaf removal, was discussed with the presentation of trials carried out in Italy and Slovenia from 2006 on, and at the end presenting the first results obtained in the experiments carried out in 2013 in the frame of VISO.

In detail the trials presented were:

1. Effect of mechanical leaf removal and gibberellic acid application on *Botrytis cinerea* occurrence and quality parameters in Pinot gris. Trial carried out with the collaboration of Friuli Colli Orientali & Ramandolo Consortium in the year 2006;
2. Effects of mechanical leaf removal on *Botrytis* occurrence in Pinot gris. Trials carried out in the years 2007-2010 within ERSA activities;
3. Effect of pre-flowering/post-flowering leaf removal on Pinot noir production and quality, with a focus on phenolic compounds in grapes and wines. Trials carried out in Slovenia in the years 2009-2011 (material of the PhD thesis of Melita Sternad Lemut of University of Nova Gorica, Wine Research Centre);
4. Effects of pre-flowering/post-flowering leaf removal on Merlot yield and quality parameters with a focus on anthocyanins and tannin occurrence. Trial carried out in Friuli Venezia Giulia in collaboration with Simone Castellarin (University of Udine, principal investigator PP2) in the years 2011, 2012 and 2013;
5. Comparison between pre-flowering leaf removal and cluster thinning on Refošk yield and quality, focusing on the changing in polyphenolic compounds during maturation. The trial was carried out in Slovenia in 2012 and 2013 within the frame of the Interreg ITA-SLO Agrotur;



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**6. Effects of pre-flowering/post-flowering leaf removal on Friulano and Sauvignon yield and quality parameters. Trials carried out in Slovenia and Italy in collaboration with KGZ (PP4)**

**At the lecture 42 people participated, mainly producers from the area but also students and technicians from the bordering Italian places.**

**Place and date of the report: Vipava, 05/02/2014**

**Paolo Sivilotti**

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