Field Visit - Group 4
Cadaval

Vitiviniculture
Nitrogen management and mechanical pruning

Venue	Quinta do Gradil *Cadaval*
Host	Bento Rogado - Quinta do Gradil
About	*Quinta do Gradil is one of the oldest estates of Cadaval municipality and of the Lisbon Wine Region. It is located on the western foothills of the Serra de Montejunto, in the transition between the area of the humid winds from the Atlantic and the permanent winds from the west, and the region of dry summers. Occupying an area of 200ha of which 120 are planted with vines, it has a secular historical marks and represents a significant architectural landmark.*

Learn more...

Lat	39.20463
Long	-9.11504

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Timing	Itinerary
14:00	Departure from Estoril bus
14:30-15:00	Presentation of a movie during the bus trip about the place of visit
15:15	Arrival at the Quinta do Gradil
15:30 – 15:45	Welcome address by the proprietor of the farm - Luís Vieira
15:45-16:30	Presentation of Operational Group projects: i. NEP – Production of crops with high nitrogen use efficiency for better water management (2017-2020) - Cláudia Marques dos Santos, School of Agriculture University of Lisbon. ii. IntenSusVITI – Sustainable intensification of wine growing through mechanical pruning (2017-2021)- Amândio Cruz, Advisor.
16:30 – 17:00	Coffee-break
17:00 – 17:45:	Visit to a vineyard with mechanical pruning
17:45 – 18:20	Wine tasting
18:20	Return
19:30	Arrival at Estoril

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Operacional Group	**IntenSusVITI – Sustainable intensification of wine growing through mechanical pruning**
Speaker	Amândio Cruz - Adviser / Manuel Botelho - School of Agriculture - University of Lisbon
Key Objectives	*The aim of this initiative is to contribute to the sustainable intensification of wine growing in Portugal, through technological innovation that is focused on mechanising the pruning of vineyards and increasing organic matter content of the soil ('small Ecological Footprint and Zero Carbon'). This reduction of the Ecological Footprint will come from an increase in vineyard productivity and in carbon sequestration in the soil, and from a reduction in emissions, resulting from a reduced use of phytopharmaceuticals and a reduction in the volume of materials that are used in the vineyard. At the same time, this will achieve an increase in productivity and a reduction in production costs, while maintaining quality.* *Demonstration / experimentation activities on the mechanisation of pruning of vineyards will be developed in a multidisciplinary approach to optimise grape production and the quality of wine, using precision viticulture.*

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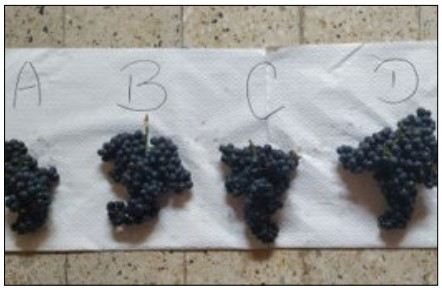
Operacional Group	NEP – high Nitrogen Efficient crop Production for better water management
Speaker	Cláudia Marques dos Santos - School of Agriculture - University of Lisbon
Key Objectives	*The aim is to develop two new low-nitrogen agricultural products – tomato for industry and grape for wine production – which do not currently exist in national and international markets. A second aim is the development of new production processes to obtain these new products and to condition the behaviour of agricultural operators in order to mitigate nitrogen (N) losses to their ecosystems.*



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