

2nd ClimWine Symposium I XIVth International Terroir Congress

PROTECTED DESIGNATION OF ORIGIN (D.P.O.) VALDEPEÑAS: **CLASSIFICATION AND MAP OF SOILS**



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The Protected Designation of Origin (D.P.O.) Valdepeñas is located in the south of the province of Ciudad Real (Central Spain) and has an extension of 22,000 ha of vineyard.

Localization



1st STEP

Making initial maps for choosing sampling points.









Soil Profiles: 90. Research team: 6 people

profiles

More than 2000 analyzes made. More than 2000 km traveled







3th STEP

Classification of soil.

According to the FAO classification, the 90 studied soils are classified into 5 groups:





Making maps of soils.

Due to the found, variability of the studied soils the cartographic units are composed of two or more subgroups, which are associated in variable proportions and 9 different soils association have been established:



Unit 1: Leptosols (80%), Cambisols (15%) and Luvisols (5%) [LP-CM-LV] Unit 2: Cambisols (40%) with Regosols (30%) and Luvisols (30%) [CM-RG-LV] **Unit 3**: Cambisols (40%) and Gleysols (40%) with Regosols (20%) [CM-GL-RG] Unit 4: Regosols (40%) with Cambisols (30%), Leptosols (15%) and Calcisols (15%) [RG-CM-LP-CL]

Unit 5: Cambisols (25%), Leptosols (25%), Calcisols (25%) and Regosols (25%) [CM-LP-



CL-RG]

4th STEP

Unit 6: Luvisols (80%) with Cambisols (10%) and Calcisols (10%) [LV-CM-CL] **Unit 7**: Luvisols (40%) and Calcisols (40%) with Cambisols (20%) [LV-CL-CM] **Unit 8**: Calcisols (80%) with Cambisols (10%) and Luvisols (10%) [CL-CM-LV] **Unit 9**: Anthrosols [AN]

Knowledge of the different soils types existing in the area allows to make a more detailed recommendation on the establishment and management of the vineyard.

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