

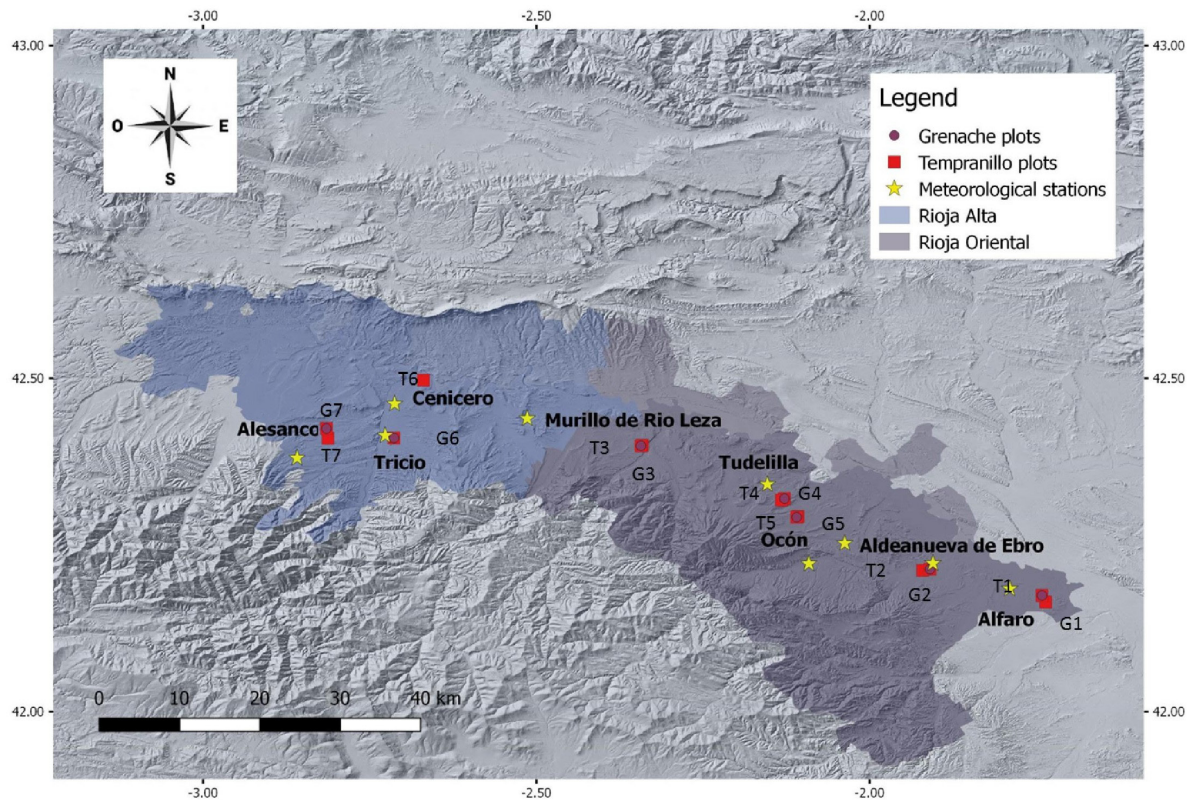
Supplementary material of the manuscript published in *Vitis* **59**, 181–190 (2020):

Projecting changes in phenology and grape composition of 'Tempranillo' and 'Grenache' varieties under climate warming in Rioja DOCa

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Suppl. Fig. S1: Location of the plots and meteorological stations used in the research.

Supplemental Table S1

Soil characteristics of the plots

Zone/ plot	Elevation (m.a.s.l.)	Soil organic carbon (%)	Clay content (%)	Silt content (%)	Sand content (%)	Coarse fragments (%)	Texture
T1	325	1.10	23.4	45.5	31.1	15.5	Loam
G1	325	1.01	22.4	50.6	27.0	12.7	Loam
T2	397	1.10	20.4	33.4	46.2	12.4	Loam
G2	397	1.11	21.1	36.6	42.3	11.8	Loam
T3	525	1.77	22.9	47.9	29.2	15.4	Loam
G3	525	1.50	22.0	44.9	33.1	10.1	Loam
T4	565	1.15	21.1	40.1	38.8	10.0	Loam
G4	565	1.52	21.8	41.1	37.1	14.7	Loam
T5	460	1.38	19.6	44.3	36.1	8.4	Loam
G5	460	1.24	23.2	41.9	34.9	10.4	Loam
T6	550	1.23	27.6	43.2	29.2	13.5	Loam
G6	550	1.12	25.7	47.5	26.8	12.3	Loam
T7	630	1.10	26.4	47.7	25.9	11.0	Silty loam
G7	630	1.10	26.9	48.5	24.6	10.7	Silty loam



Suppl. Fig. S2: Predicted changes in temperature (maximum and minimum) expressed in $^{\circ}C$ and in precipitation (expressed as ratio P/P present) referred to the months (April-October) in which the growing cycle is developed at present.