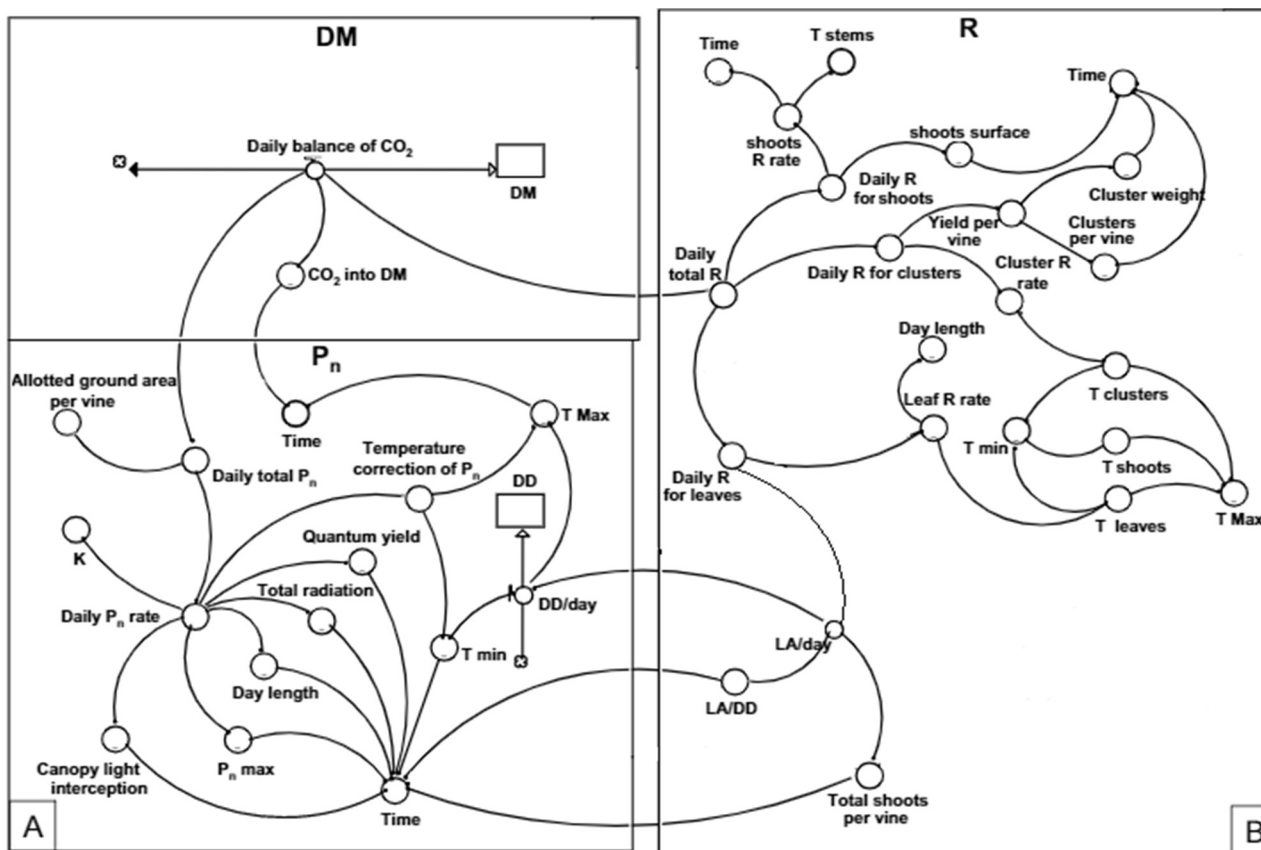




Supplementary Figure S1. Experimental site pictures. (A) SHW trellis, (B) VSP trellis.



Supplementary Figure S2. Simplified model structure of STELLA software for prediction of the daily balance of CO₂ and dry matter (DM) in grapevine canopies (A) Photosynthesis sub-module (P_n). (B) respiration sub-module (R). Abbreviations: maximum leaf photosynthesis (P_n max); canopy light extinction coefficient (K); degree days (DD); minimum and maximum daily temperature (T min and T max); temperature (T); leaf area formed per DD (LA/DD). Figure modified by Poni et al. [28]. For other abbreviations, input description and details about building blocks refer also to STELLA software manual 7.0.3 (Isee Systems, N.H.).