

World Winery Map Launches: Over 4.3 Million Vineyards and 100,000 Wineries Mapped Across 90 Countries

Official wine boundaries, wineries and vineyards, satellite topography and climate indices are now freely accessible on the world's most comprehensive wine map.

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WorldWineryMap.com has officially launched, introducing a massive interactive database of global wine terroir that maps 4,303,693 vineyards and 104,330 wineries across 90 countries. For every single vineyard on the map, users can access highly specific geospatial data, including elevation, solar radiation, and slope, alongside critical viticultural metrics like soil composition, the Huglin index, and average temperatures during the vine growing season.

"For each parcel, we extracted the exact coordinates and calculated the elevation, slope, and aspect using the Copernicus GLO-30 terrain model, then layered climate data on top of that," said Matija Gavrilović, founder of World Winery Map. "For larger parcels, we measure up to 16 control points, which is why elevation is presented as a precise range rather than a single number. We also calculated the slope,



World Winery Map outlines 98,719 specific wine region boundaries, scaling from massive macro-regions down to individual named plots.



Ten wine regions on the map

Region country	Wineries on the map	Vineyard parcels mapped	Average vineyard elevation metres	Sunshine on vineyards kJ/m ² per day, growing season	Annual rainfall mm	Winkler index degree days
Tuscany Italy	4,403	75,145	220	19,300	842	2,109
Veneto Italy	2,898	27,062	95	17,500	1,042	2,200
Bordeaux France	2,218	37,461	51	17,800	832	1,873
Rhône France	1,915	95,204	166	19,800	902	2,185
Napa Valley United States	1,028	10,705	153	24,100	793	2,076
Rioja Spain	708	160,227	506	19,000	611	1,708
Cape Winelands South Africa	556	33,666	272	24,400	656	2,299
Kamptal Austria	308	12,965	290	16,100	610	1,358
Douro Portugal	255	106,929	421	20,500	752	1,918
Istria and Kvarner Croatia	155	6,953	173	18,400	1,330	2,088

Sources: Copernicus GLO-30 terrain model, CHLSA climatology, national vineyard registers. Sub-areas included.

worldwinerymap.com

Detailed terroir metrics and climate indices provided for mapped wine regions on World Winery Map.

solar radiation, rainfall, wind, soil type, and geology wherever data was available."

The vineyard parcels are aggregated from 38 independent sources. Twenty-two of these are official government registers, accounting for 3,824,217 of the mapped plots. Data coverage is densest in the European Union, where such registers are public domain. In other regions, vineyard data is sourced from national agricultural censuses, satellite land cover analytics, and other unofficial sources.

The platform is explicitly tailored for both industry professionals and wine travelers. An integrated geolocation system allows users to instantly locate nearby wineries and receive navigation instructions to the estate, regardless of where they are in the world. Meanwhile, for wine enthusiasts who prefer to explore from the comfort of their homes, the platform offers a deeply detailed virtual journey through global wine geography.



Vineyards in Croatia. The interactive atlas maps over 4.3 million vine parcels across 90 countries.

[The map outlines 98,719 specific wine region](#) boundaries, scaling from massive macro-regions down to individual named plots. This includes 2,815 official wine regions, subregions, and appellations, alongside 95,904 named vineyard sites. Among these are 89,634 French lieux-dits pulled from the state cadastre, 4,513 Austrian Rieden, 1,655 German Lagen, and 102 Luxembourgish sites. The system accurately distinguishes internal regional tiers, mapping 691 premier cru and 79 grand cru sites in France, as well as 192 AVAs in the United States.

Crucially, wine areas are recorded using the exact boundaries and legal nomenclature designated by their respective nations. This includes INAO delimitations in France, AVA borders in the U.S., Wine Australia's Geographical Indications, ministerial decrees in Spain, Chile, and Romania, state geoportals for Austrian Rieden and German Weinlagen, as well as national regulations in Croatia, Hungary, and Slovenia. Users can select any region to read essential facts, review borders, check average rainfall and elevation, and analyze viticultural data like the Winkler index. World Winery Map is already in touch with official bodies in several countries, with the aim of keeping the map as accurate as possible.

"Building a system of this magnitude required processing more than four million geospatial polygons and precisely intersecting them with topographical and climate layers," the founder noted. "The result is the [most comprehensive digital archive of world viticulture ever created](#)."

Winemakers worldwide are invited to claim their winery profiles on the platform for free. By taking ownership of their pages, producers can update tasting room hours, verify visitor policies, claim their specific vineyard parcels, and update data on planted grape varieties—actively participating in maintaining the world's most accurate and detailed wine map.

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