

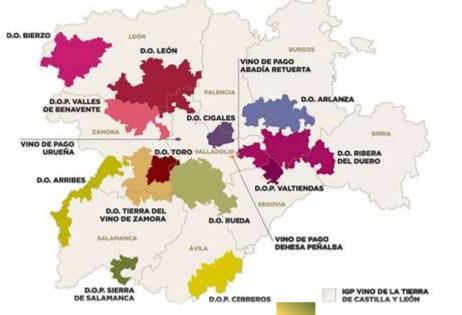


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MINORITY GRAPEVINE VARIETIES: KEY FACTOR TO España - Portugal CLIMATE ADAPTATION & GIs COMMERCIAL GROWTH









Interreg

- **85.000 ha** hectares of vineyards: 92% under GI.
- 17 wine **GI**.
- 13 Protected Designation of Origin (PDO) + 3 estate wine
   (VP-Vino de Pago) + 1 Protected Geographical Indication
   (PGI).



- Spain has the greater vineyard extension in the world: **945.000 ha.**
- Third largest wine producer country:28.300 hl.







### **VITICULTURE AND CLIMATE CHANGE: ISSUES**









- Greater difference between technological maturity and phenolic/aromatic maturity.
- Higher sugars concentration.
- Lower acidity (higher pH), lower malic acid.
- Lower concentration of organic nitrogen compounds.

#### IN WINE

- Higher alcohol content.
- Higher concentration of residual sugars.
- Lower acidity (higher pH).
- Variation in color.
- Fewer flavours.

Global Perspectives on Geographical Indications. 2<sup>nd</sup> International Conference Innovations and Traditions for Sustainability. Rome, 18-21/02/25





## **MINORITY GRAPEVINE IN PROTECTED GIS**

Why are they a minority or are almost extinct?

- Decades ago, these varieties did not complete their vegetative cycle → they did not ripen.
- Some of them were **unproductive**.
- They did not meet the old quality standards.

Why are they so interesting?

- Perfect **adaptation** to the environment (native).
- **Rusticity**. Resistance to diseases and extreme weather conditions.
- Long vegetative cycles.
- Lower alcohol content.
   High levels of total acidity, low pH and freshness sensations in finished wines.
- Interest in protected GIs and PDO.
- Final consumer interested in them.

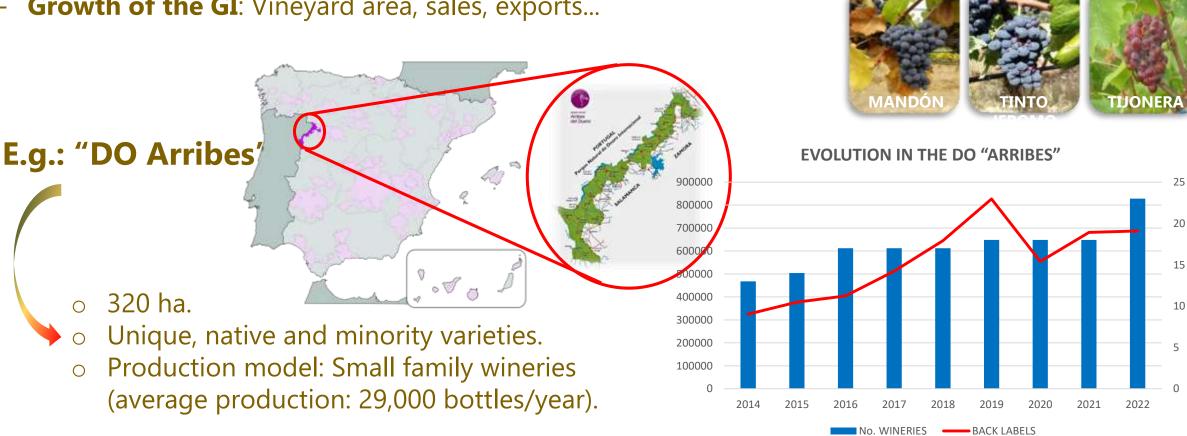
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# **ADVANTAGES OF MINORITY VINE VARIETIES IN GIS AND PDOs**

Interreg España - Portugal



- Typical features adapted to the origin area: Link to the land.
- Different and unique wines: Increase in the price of wine.
- **High quality wines** (high scores from specialized guides).
- **Growth of the GI**: Vineyard area, sales, exports...



# E.g.: "DO Arribes" (Spain-Portugal border)







- Climate: Mediterranean climate.
- Altitude: Between 400 725 meters above mean sea level.
- **Soil:** Poor, mainly sandy, coming from granite.

### **CONCLUSIONS**





## MINORITY GRAPEVINE VARIETIES

KEY FACTOR IN SUSTAINABILITY

ECONOMIC SUSTAINIBILITY



- ✓ High quality, unique wines.
- ✓ Differentiation & tipicality of GIs.

ENVIRONMENTA L SUSTAINIBILITY



- ✓ Climate adaptation: rustic and resistant varieties.
- ✓ Long vegetative cycles.

SOCIAL SUSTAINIBILITY



- ✓ GI growth: hectares, number of wineries, number of bottles, sales.
- ✓ Stopping the demographic decline in rural areas.

# LOOKING BACK TO PAST TO BUILD A HOPEFUL FUTURE







# GRACIAS THANK YOU MERCI

MINORITY GRAPEVINE VARIETIES:

KEY FACTOR FOR CLIMATE

ADAPTATION AND FOR GIS

COMMERCIAL GROWTH

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