

# SPANISH VITIS SYLVESTRIS PRESERVED IN THE GRAPEVINE COLLECTION OF “EL ENCÍN”

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*10-10-2023 Kavala (Greece)*



# References

- Clemente (1807)
- Pardo (1902)
- Ceballos and Vicioso (1933)
- Rivas Goday (1964)
- Martinez de Toda et al. (1991)
- Ocete (Rafael): several works since 1997



# Habitat where wild vines have been found in Spain

Forests, rivers, roads, beaches



# Status of wild populations in Spain

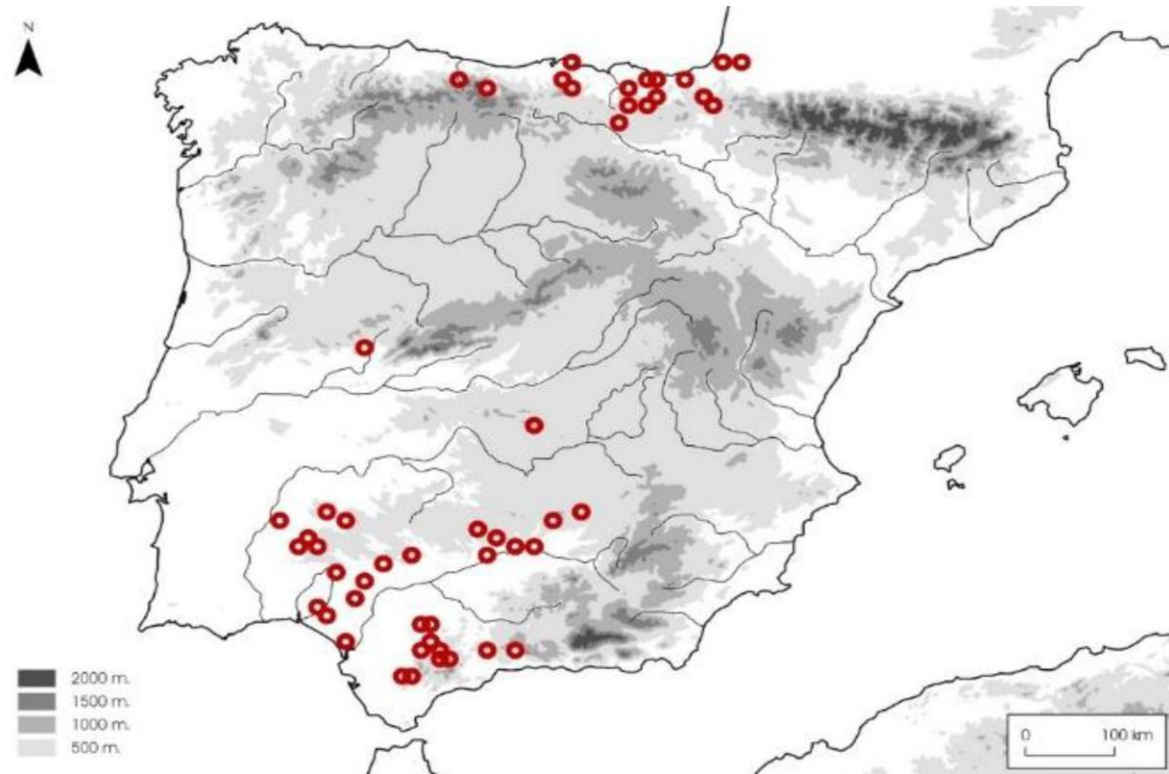
- Habitats with low human activity, usually damp soils (river-bank forest) growing supported upon different botanical species
- Low number of individuals (four sampled on average). The real number of individuals sometimes difficult to know because of difficult access)
- Sometimes contaminated with hybrids or scaped *V. vinifera* subp. *sativa*
- Risk of extinction (road clearing operations, new facilities as buildings, rails, roads or hydraulic...)





# Prospections (2002-2004)

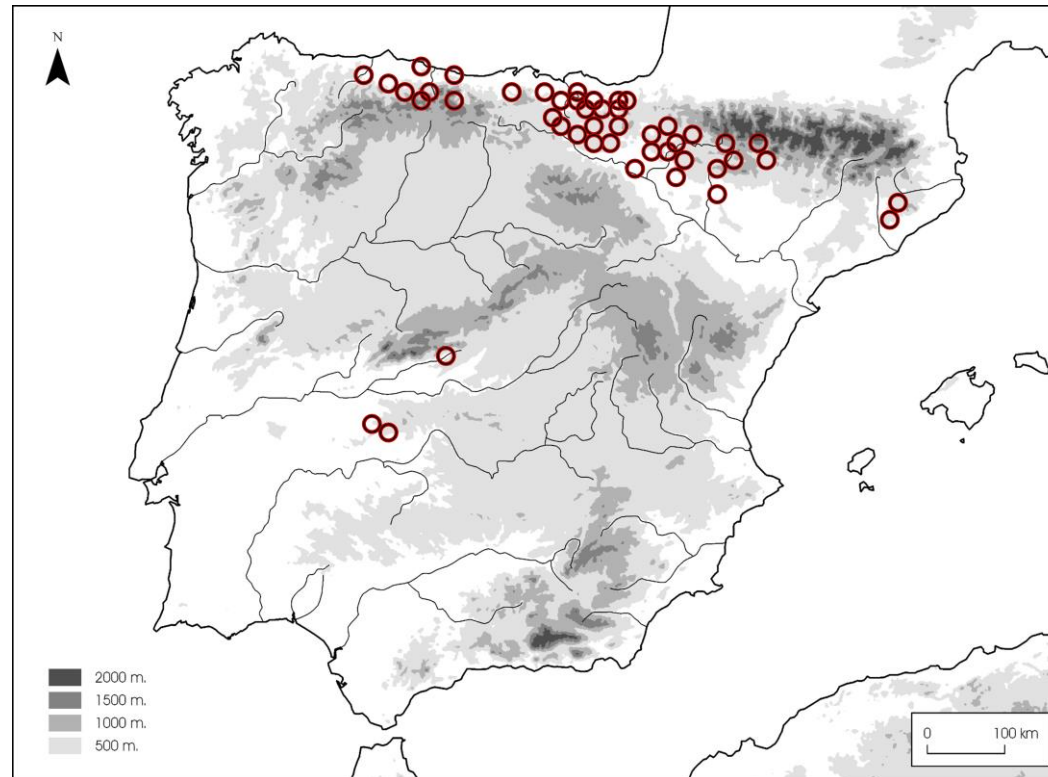
61 locations – 237 individuals





# Prospections (2009-2009)

47 locations – 259 individuals



# Preserved ex-situ

El Encín grapevine collection (Alcalá de Henares)



# Characterization

Molecular analysis: 25 SSR (237 individuals)

- M.T. de Andrés; A. Benito; G. Pérez-Ribera; R. Ocete; M.A. López; L. Gaforio; G. Muñoz; F. Cabello; J.M. Martínez-Zapater; R. Arroyo-García. 2012. **Genetic diversity of wild grapevine populations in the Iberian Peninsula and their genetic relationships with cultivated grapevines.** *Molecular Ecology* 21: 800-816

Ampelography: 36 traits (192 individuals)

- A. Benito; G. Muñoz Organero; M.T. De Andrés; R. Ocete; S. García-Muñoz; M.A. López; R. Arroyo García; F. Cabello. 2017. **An ex situ ampelographical characterization of wild *Vitis vinifera* from fifty-one Spanish populations.** *Australian Journal of Grape and Wine Research*. 23.1: 143-152





# Enological evaluation

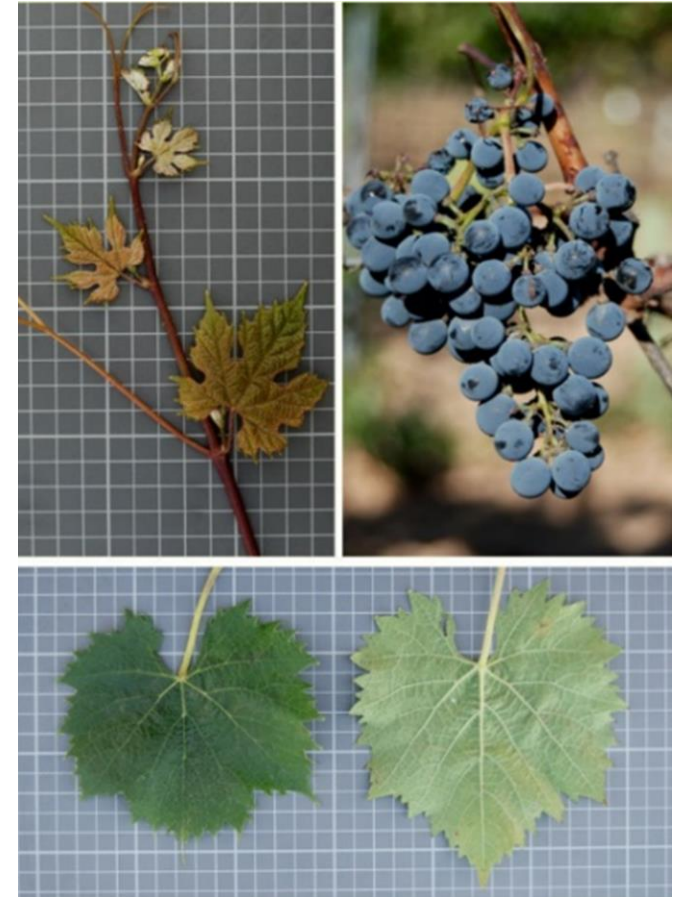
- E. Revilla; D. Carrasco; A. Benito; R. Arroyo García. 2010. **Anthocyanin composition of several wild grape accessions**. American Journal of Enology and Viticulture 61: 4  
(21 individuals)
- E. Revilla; D. Carrasco; V. Carrasco; A. Benito; R. Arroyo García. 2012. **On the absence of acylated anthocyanins in some wild grapevine accessions**. Vitis 51(4):161-165  
(126 individuals)



# Current status

- Total individuals prospected: 496 individuals in 108 locations
- Molecular characterization: 496 (237 genotypes published)
- Morphological characterization: 237 (192 published)
  - after discarding individuals with morphological traits not to be expected in wild grapevines

IMIDRA can provide a total of 334 different wild genotypes from Spain, with expected morphological traits





**THANK YOU**