



Project overview

VineDivers

Biodiversity-based ecosystem services in vineyards: analysing interlinkages between plants, pollinators, soil biota and soil erosion across Europe

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Partner 3: Institute for Sustainable Agriculture, Consejo Superior de Investigaciones Científicas (CSIC), Cordoba, Spain



Partner 4: Institute of Integrative Nature Conservation Research, BOKU Vienna, Austria

Partner 5: Research-Development Station for Viticulture and Enology Blaj, Romania

Partner 6: University of Agriculture Science and Veterinary Medicine Cluj Napoca, Romania



Partner 7: University of Cordoba, School of Agricultural and Forestry Engineering, Cordoba, Spain

Partner 8: Univ. of Göttingen, Dept. of Agricultural Economics and Rural Development, Göttingen, Germany

Partner 9: University Rennes 1, UMR CNRS EcoBio, Paimpont, France



Objectives

1

Management practices and its effects on the biodiversity and trophic networks and how these promote ecosystem services.

2

Assessing the effect of the **surrounding landscape complexity** on the biodiversity and functioning at the vineyard scale and how this affects relations between productivity and ecosystem services.

3

Developing **recommendations** for different stakeholders: farmers, tourism, policy for management practices that sustain ecosystem functioning, biodiversity and high grape yields and quality.

Study design

Main factor: Management intensity (2 levels)

Permanent vs. temporary row cover

Range of landscape complexity: from simple to complex

Per country : 2 intensities x 8 replicates = 16 vineyards

Study regions

Andalucía
Spain (A)



Loire valley
France (B)



Burgenland
Austria (C)

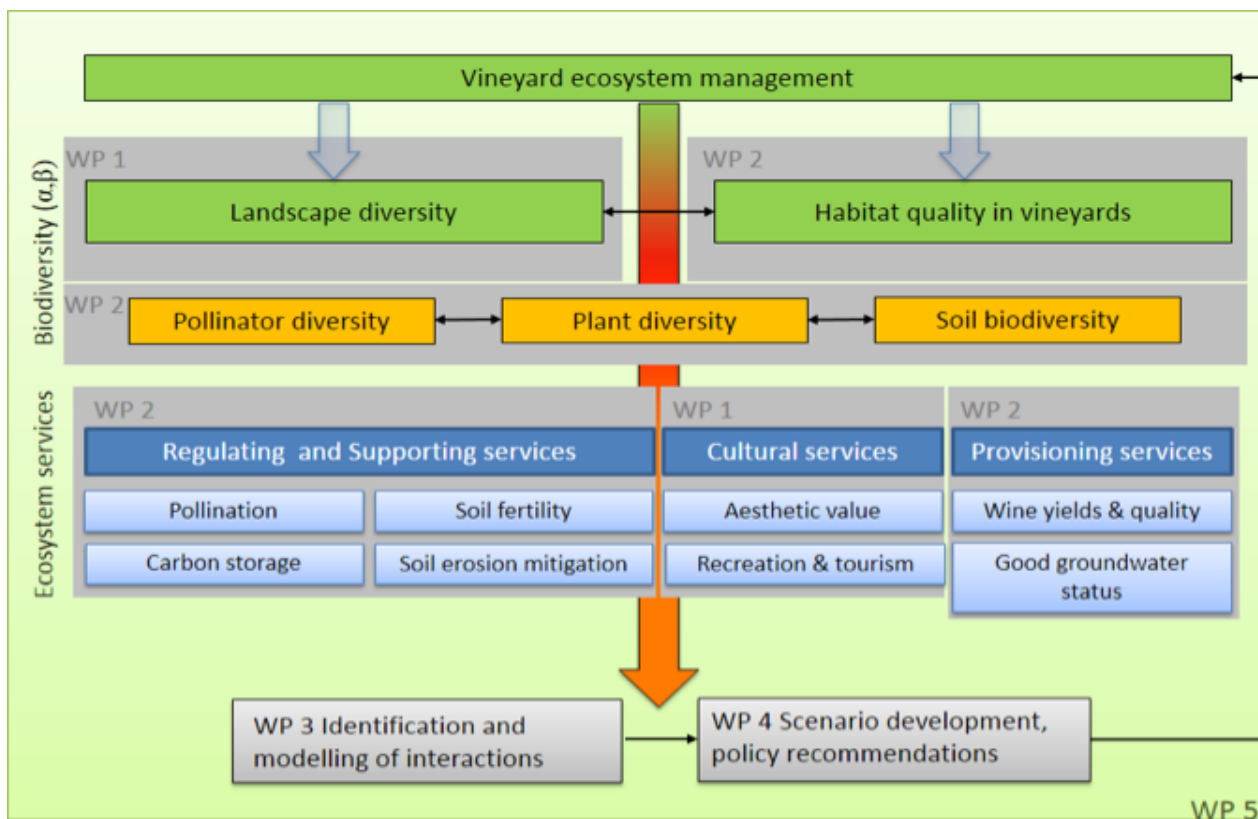


Transsylvania
Romania (D)



Parameters being measured	
Aboveground biodiversity	Vascular plants
	Insect pollinators (wild bees)
	Birds
	Landscape diversity
Belowground biodiversity	Earthworms, Collembola
	Soil microorganisms
	Soil nutrients & physics
Ecosystem services	Grape yield & quality
	Soil decomposition, Biocontrol
	Landscape aesthetics
	Soil erosion
Socioeconomics & policy recommendations	

Workpackages





What has been done so far?

- Several meetings with participating farmers
 - 1 Kick-off meeting for all partners in Vienna
 - 1 Methods harmonization meeting in Córdoba
 - Start of field sampling in Austria, Spain, France and Romania (next week)
 - Consortium agreement (nightmare)
 - Dissemination: Poster presentation at European Geoscience Union General Assembly (April 2015), press release for Austrian media
- Website: www.vinedivers.eu

Thank you for your attention.

