

# Terroir and vineyard management



## About the School

As a public institution under the authority of the French Ministry of Agriculture, Bordeaux Sciences Agro collaborates with various institutions in France and abroad through a network of higher agronomic institutes and has developed close partnerships with the university and scientific campuses in Bordeaux (the University of Bordeaux, INRAe, CNRS, INSERM, etc.).

For 60 years, Bordeaux Sciences Agro has been able to forge privileged relationships with wine companies. These ties supplement the courses taught by the school by helping increase the professionalism of the curriculum and by fostering the future professional careers of the graduates by ensuring that the courses are suited to the real world.

The terroir in viticulture is not a mystic concept; it can be explained within the framework of agronomic interactions between the vine and its environment. This training course is designed for international professionals dealing with the concept of terroir and the way to manage the vineyard in order to optimize terroir expression.

## Goals of the training

- Understand major factors driving terroir expression
- Assess the soil and climate effect on wine typicity through sensory analysis
- Learn how to measure major terroir factors and map them
- Learn how to manage vineyards in order to optimize terroir expression

## Who is it for?

Technical director, crop manager, cellar master, organization representative, consultant

## Speakers

- > Cornelis van Leeuwen  
Teaching manager, Bordeaux Sciences Agro
- > Pr. Jean-Christophe Barbe  
Teaching manager, Bordeaux Sciences Agro
- > Jean-Philippe Roby  
Consultant
- > Benjamin Bois  
MC Université Bourgogne
- > David Pernet  
Consultant société SOVIVINS
- > Georgia Lytra  
MC, Bordeaux Sciences Agro
- > Pr. Gregory Gambetta  
Professor, Bordeaux Sciences Agro

# Content of the training

## • Day 1

- The concept of terroir in viticulture. Role of human factors
- The effects of climate in terroir expression. Agroclimatic indices. Temperature and phenology. Climatic variability in the Bordeaux area
- Tasting session : sensory attributes in relation to climate and vintage

## • Day 2

- Water relations and terroir expression. Tools for vine water status assessment
- Optimization of terroir expression through the choice of plant material (variety and root-stock)
- Tasting session : sensory attributes in relation to soil type (example of Médoc)

## • Day 3

- Optimizing terroir expression through vineyard management practices
- The role of nitrogen in terroir expression. Tools to assess vine nitrogen uptake
- Tasting session: sensory attributes in relation to soil type (example of Saint-Emilion)

## • Day 4

- Major soil types in Bordeaux
- Field trip: study of soil pits, optimization of terroir expression through the implementation of appropriate management practices and the choice of plant material

## • Day 5

- Grape ripening dynamics in relation with terroir expression
- New technologies in terroir studies
- Visit of a Grand Cru Classé
- Theme: optimisation of terroir expression through enological practices. Marketing of the terroir concept.

# Registration

Department for Continuing Education  
formco@agro-bordeaux.fr

# Practical informations

## Duration

5 days (35,5 hours)

## Accommodation

Participants will have to book and pay for their own accommodation. We will provide a list of nearby hotels.

## Training location

Bordeaux Sciences Agro  
Rue de Compostelle in Gradignan

## Terms and conditions

- > The number of participants is limited; enrollments will be processed on a first-come/first- served basis.
- > Registration will be validated after confirmation of your payment.
- > Information collected via this application form will be kept in a secure manner and used only in the framework of the current registration process.

## Fees

2275 € TTC

Including 3 lunches, tasting sessions  
(New rates from August 2nd 2024)

# Contact

**Jean-Christophe Barbe** - (Teaching manager)  
+33 (0)5 57 35 38 73  
jean-christophe.barbe@agro-bordeaux.fr

**Cornelis Van Leeuwen** - (Teaching manager)  
kees.vanleeuwen@agro-bordeaux.fr



www.agro-bordeaux.fr  
www.study.agro-bordeaux.fr  
contact@agro-bordeaux.fr

