



Sustainable grape and wine production in the context of climate change



Bordeaux, April 10-13, 2016

SYMPOSIUM PROGRAM

Sunday, the 10th of April

CAP Sciences Hangar 20 - Quai de Bacalan - 33300 Bordeaux

18h00	Opening ceremony	
18h30	J.F Sousanna	Climate change, a challenge for agriculture
18h50	N. Ollat, J.M. Touzard, I. Garcia de Cortazar Atauri	Laccave : a research program about the adaptation to climate change of the french wine industry
19h00	Representants of Industry, Aquitaine region, INRA	
19h30	Cocktail	

Monday, the 11th of April

Bordeaux Sciences Agro - 1 cours du Général De Gaulle, 33175 Gradignan

8h30		The convenors	Few words about the symposium
9h00	Introduction lecture	Pr H. Le Treut, France	Climate change : a global issue
session 1	Chairwoman	V. Bonnardot	Climatic modelling at different scales
9h30	Keynote speaker	Pr A. Sturmann, New Zealand	The application of high-resolution atmospheric modelling to weather and climate variability in vineyard regions
10h00		1 I. Garcia de Cortazar-Atauri, <i>France</i>	Assessment of future climatic conditions in French vineyards. Consequences for defining adaptation strategies.
10h15		2 R. Le Roux, <i>France</i>	Nested scale approach to characterize climate aspect of vineyard terroirs in a context of climate change
10h30		3 A. Soret, <i>Italy</i>	Climate predictions for vineyard management
10h45		4 A. Nesbitt, <i>UK</i>	Impacts of recent climate change and weather variability on UK viticulture - combining weather and climate records with producers' perspectives.
11h00	Poster presentation		

11h10 Pause

session 2-1 Chairman

	P. Lagacherie	Impacts of climate change
11h30	5 H. Fraga, <i>Portugal</i>	Climate change impacts on viticultural yields in Europe using the STICS crop model
11h45	6 P. Petrie, <i>Australia</i>	Vintage advancement and compression in Australia due to Climate Change
12h00	7 M. Hoffman, <i>Germany</i>	Climate change, water budget and grapevines in Germany
12h15	8 E. Edwards, <i>Australia</i>	Multi-seasonal effects of warming and elevated CO ₂ on the physiology, growth and production of mature, field grown, Shiraz grapevines
12h30	9 S. Zito, <i>France</i>	Powdery mildew evolution in cool climate regions in response climate change: The example of Burgundy
12h45	Poster presentation	

13h00 Lunch

session 2-2 Chairman

	B. Bois	Impacts of climate change
14h30	Pr G. Jones, USA	The state of the climate: trends, projections, and relationships to viticulture and wine Production
15h00	11 R. Savé, <i>Spain</i>	Potential changes in water deficit and phenology of grapevine under climate change conditions in NE Spain: A modeling approach to watershed level.
15h15	12 Y. Wohlfart, <i>Germany</i>	Elevated CO ₂ concentration: Impact on growth and grape quality of <i>Vitis vinifera</i> cv. Riesling and Cabernet Sauvignon for two accompanied vintages
15h30	13 S. Marchand, <i>France</i>	The 2003 vintage, an anticipation of future Bordeaux vintages in a context of climate change?
15h45	14 U. Leibar, <i>Spain</i>	Grapevine nutritional status under different soils and future expected climate conditions
16h00	15 J. Zhu, <i>France</i>	Simulating the effect of climate change on berry composition using whole plant model
16h15	16 MC. Ramos, <i>Spain</i>	Phenology variability, and predictions under climate change scenarios, of Cabernet Sauvignon and Tempranillo cultivated in the Ribera del Duero DO

16h30 Pause

16h50 Poster presentation

session 4-1	Chairman	E. Giraud-Héraud	Perception and adaptability of climate change by the actors
17h00		17 P. Aigrain, <i>France</i>	Lessons from a foresight exercise on the French wine industry under climate change
17h30		18 G. Pickering, <i>USA</i>	Climate Change adaptation requires integrated, transdisciplinary research across the value chain: a case study of the Ontario Grapevine and Wine Research Network
17h45		19 MC. Pichery, <i>France</i>	Climate Change and economic challenge strategies for vinegrowers, winemakers and wine estates
18h00		20 C. Foss, <i>UK</i>	Climate change and sustainability in English wine production
18h15		21 A. Strever, <i>South Africa</i>	Sustainable wine production in South Africa within the context of climate variability.

Tuesday, the 12th of April

session 5	Chairwoman	A. Parker	Ecophysiology for climate change
8h15	Poster presentation		
8h30		22 Pr L.Torregrossa, <i>France</i>	Grapevine and climate warming: Duravitis program opens new breeding strategies for temperature adaptation
8h45		23 A. Coupel-Ledru, <i>France</i>	A combination of phenotyping, genetic and physiological approaches to guide breeding for efficient water use in grapevine
9h00		24 T. Scholasch, <i>France</i>	Predicting the effects of drought and climate change on the composition and extractability of flavonoids in Cabernet Sauvignon
9h15		25 J. Considine, <i>Australia</i>	Summer and autumn, not winter, matter in dormancy of the grapevine.
9h30		26 E. Marguerit, <i>France</i>	How do rootstocks control scion water use efficiency ?
9h45		27 C. Delmas, <i>France</i>	Will grapevine pathogens adapt to climate warming? Temperature reaction norms of life-history traits in grapevine downy mildew
10h00	Poster presentation		

session 3-1	Chairman	A. Strever	Adaptation to climate change
10h30	Keynote speaker	Pr H.R. Schultz, <i>Germany</i>	Issues to be considered for strategic adaptation to climate evolution
11h00		28 Pr C. van Leeuwen, <i>France</i>	Modified grape composition under Climate Change conditions requires adaptations in the vineyard
11h15		29 E. Forrestel, <i>USA</i>	Projections of Suitable Wine Growing Regions and Varieties: Adaptation in Space or Place?
11h30		30 F. Vinatier, <i>France</i>	How to translate narrative scenarios in landscape dynamics: Application to the introduction of irrigation in vineyards
11h45		31 F. Alves, <i>Portugal</i>	Vineyard drought adaptation in the Douro Demarcated Region

session 4-2	Chairman	E. Lebon	Perception and adaptability of climate change by the actors
12h00		32 E. Neethling, <i>France</i>	Assessing local climate vulnerability and winegrowers' adaptive processes in the context of climate change
12h15		33 J. Gautier, <i>France</i>	The french wine AOC and the challenge of climate change
12h30		34 E. Delay, <i>France</i>	Cooperative winery can be a major actor to adapt viticulture locally?
12h45		35 G. Teil, <i>France</i>	Climate change and adaptation: Alsace and Loire Valley vintners' challenging point of view

13h00 Lunch

14h00 Departure for technical visit in St Emilion
Field visits, Château visit and Wine Tasting
Variability in climate and topology within a producing area : a way to adapt ?

19h00 Gala dinner in St Emilion

Wednesday, the 13th of April

session 3-2	Chairwoman	F. de Herralde	Adaptation to climate change
8h30		36 P. Vivin, <i>France</i>	Process-based models for analysing grapevine genotype adaptation to climate change: issues and challenges
8h45		37 E. Duchêne, <i>France</i>	How can grapevine genetics contribute to the adaptation to climate change?
9h00		38 J. Tardaguila, <i>Spain</i>	New plant phenotyping technologies in a changing climate
9h15		39 S. Dequin, <i>France</i>	How to adapt winemaking practices to modified grape composition under climate change conditions?
9h30		40 L. Santesteban, <i>Spain</i>	Severe trimming and enhanced competition of laterals as a tool to delay ripening in Tempranillo vineyards under semiarid conditions
9h45		41 T. Dufourcq, <i>France</i>	Should water supply by irrigation be soon a technique to manage aromatic potential of Colombard in South-Western France Gascony vineyard?
10h00		42 A. Parker, <i>New Zealand</i>	Canopy manipulations to delay ripening: A case study for Pinot noir and Sauvignon blanc
10h15	poster presentation		

10h25 Pause

session 4-3	Chairwoman	P. Darriet	Perception and adaptability of climate change by the actors
10h45	Keynote lecture	Pr . J.M Gil, Spain	Does alternative choice experiment formats matter to elicit preferences and willingness to pay?
11h15		43 L. Charlier, <i>France</i>	
11h30		44 K. Pickering, <i>USA</i>	Adaptive Capacity for Climate Change Adaptation in the Wine Industry: Concepts and Measurement
11h45		45 A. Ugaglia, <i>France</i>	Adaptation Strategies of Bordeaux's winemakers to face climate change
12h00		46 J. Boyer, <i>France</i>	Adaptation Strategies to Climate Change in the French wine industry: The role of networks connecting wine producers and researchers
12h15		47 S. Alvarez-Gei, <i>France</i>	Perception of irrigation practices by wine consumers in a context of climate change.
12h30		48 A. Fuentes, <i>France</i>	Is global warming desired by wine consumers ?
12h45		49 J. Rochard, <i>France</i>	Reducing the impact of greenhouse gases on wine sector : situation in France and the approach of OIV

13h00	Concluding talks	T. Caquet, France
13h15	Farewell communication	The convenors

13h30 Lunch
14h30 Departure for post-congress tours

