



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

17h15	Beginning of registration		
18h00	Opening ceremony		
18h30	J.F Soussana, France	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	Alain Rousset , Chairman of the Aquitaine-Limousin-Poitou Charentes regional council - Representants of Conseil Interprofessionel du Vin de Bordeaux and of the organising institutions (INRA, ISVV, Bordeaux Sciences Agro)		
19h30	Cocktail		

Monday, the 11th of April

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

8h00	Registration and poster installation		
8h30		The convenors	Few words about the symposium
9h00	Introduction lecture	Pr G. Jones, USA	The State of the Climate: Trends, Projections, and Relationships to Viticulture and Wine Production

session 1

9h30	Chairwoman Keynote speaker	V. Bonnardot Pr A. Sturman, New Zealand	Climatic modelling at different scales
10h00		1 I. Garcia de Cortazar-Atauri, France	The application of high-resolution atmospheric modelling to weather and climate variability in vineyard regions
10h15		2 R. Le Roux, France	Assessment of future climatic conditions in French vineyards. Consequences for defining adaptation strategies
10h30		3 A. Soret, Spain	Nested scale approach to characterize climate aspect of vineyard terroirs in a context of climate change
			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 M. Hofmann, <i>Germany</i>	Climate change, water budget and grapevines in Germany
12h00		7 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
12h15		8 S. Zito, <i>France</i>	Powdery mildew evolution in cool climate regions in response climate change: The example of Burgundy
12h30		9 F. de Herralde, <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
12h45	Poster presentation		

13h00 Lunch

session 2-2 Chairman

		B. Bois	Impacts of climate change
14h30		10 Y. Wohlfahrt, <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
14h45		11 S. Marchand, <i>France</i>	The 2003 vintage, an anticipation of future Bordeaux vintages in a context of climate change?
15h00		12 U. Leibar, <i>Spain</i>	Grapevine nutritional status under different soils and future expected climate conditions
15h15		13 J. Zhu, <i>France</i>	Simulating the effect of climate change on berry composition using whole plant model
15h30		14 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

15h45 Pause

16h05 Poster presentation

session 4-1	Chairman	E. Giraud-Héraud	Perception and adaptability of climate change by the actors
16h15		15 P. Aigrain, <i>France</i>	Lessons from a foresight exercise on the French wine industry under climate change
16h45		16 G. Pickering, <i>Canada</i>	Climate Change adaptation requires integrated, transdisciplinary research across the value chain: a case study of the Ontario Grapevine and Wine Research Network
17h00		17 MC. Pichery, <i>France</i>	Climate Change and economic challenge strategies for vinegrowers, winemakers and wine estates
17h15		18 C. Foss, <i>UK</i>	Climate change and sustainability in English wine production
17h30		19 A. Strever, <i>South Africa</i>	Sustainable wine production in South Africa within the context of climate variability
17h45		20 E. Neethling, <i>France</i>	Assessing local climate vulnerability and winegrowers' adaptive processes in the context of climate change
18h00		21 J. Gautier, <i>France</i>	The french wine AOC and the challenge of climate change

18h30 Departure by bus to the Hotel de Region, Bordeaux downtown

19h00 Reception by the Aquitaine Council

20H30 Free evening

Tuesday, the 12th of April

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

10h40 Pause

session 3-1	Chairman	A. Strever	Adaptation to climate change
11h00	Keynote speaker	Pr H.R. Schultz, <i>Germany</i>	Issues to be considered for strategic adaptation to climate evolution
11h30		28 Pr C. van Leeuwen, <i>France</i>	Modified grape composition under Climate Change conditions requires adaptations in the vineyard
11h45		29 E. Forrestel, <i>USA</i>	Projections of Suitable Wine Growing Regions and Varieties: Adaptation in Space or Place?
12h00		30 F. Vinatier, <i>France</i>	How to translate narrative scenarios in landscape dynamics: Application to the introduction of irrigation in vineyards
12h15		31 F. Alves, <i>Portugal</i>	Vineyard drought adaptation in the Douro Demarcated Region
12h30		32 E. Delay, <i>France</i>	Cooperative winery can be a major actor to adapt viticulture locally?
12h45		33 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		34 P. Vivin, <i>France</i>	Process-based models for analysing grapevine genotype adaptation to climate change: issues and challenges
8h45		35 E. Duchêne, <i>France</i>	How can grapevine genetics contribute to the adaptation to climate change?
9h00		36 J. Tardaguila, <i>Spain</i>	New plant phenotyping technologies in a changing climate
9h15		37 J.M. Sablayrolles, <i>France</i>	How to adapt winemaking practices to modified grape composition under climate change conditions?

9h30	38	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	39	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	40	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 4-2	Chairwoman	P. Darriet	Perception and adaptability of climate change by the actors
10h45	Keynote lecture	Pr . J.M Gil, <i>Spain</i>	Does alternative choice experiment formats matter to elicit preferences and willingness to pay?
11h15		41 L. Charlier, <i>France</i>	
11h30		43 A. Ugaglia, <i>France</i>	Adaptation Strategies of Bordeaux's winemakers to face climate change
11h45		44 J. Boyer, <i>France</i>	Adaptation Strategies to Climate Change in the French wine industry: The role of networks connecting wine producers and researchers
12h00		45 A. Fuentes, <i>France</i>	Is global warming desired by wine consumers ?
12h15		46 J. Rochard, <i>France</i>	Reducing the impact of greenhouse gases on wine sector : situation in France and the approach of OIV

12H45	Concluding talks	T. Caquet, <i>France</i>	The INRA metaprogramme on Adaptation of Agriculture and Forests to Climate Change (ACCAF)
13h00	Farewell communication	The convenors	
13h30	Lunch		

