



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

2nd CONFERENCE



*Environment, Sustainable Agriculture
and Forest Management*

Padova, 25-29th September 2016

Conference Program

TESAF

DAFNAE

Introduction

Over the last two years, the **University of Padova** has developed a partnership with **Faculty of Agriculture and Environment of the University of Sydney (FAE)** to further the mutual research interests and to open up international opportunities for students, public institutions and local industry.

Academic staff from University of Padova and University of Sydney have agreed to hold an annual conference, alternating between Sydney and Padova. These workshops are intended to be a forum for research discussions and for informing industry and public institutions about the science behind food production and the environment.

Following the first conference, held in Sydney on September 2015, the **Department of Land Environment Agriculture and Forestry (TESAF)** and **Department of Agronomy, Food, Natural Resources, Animals and Environment (DAFNAE)** have organized the second conference, to be held in Padova on September 25 – 29th, 2016. The conference will be embedded in two events organized by University of Padova: *“University of Padova meets University of Sydney”* which is to be organized by the VC for International Relations (Prof. Alessandro Paccagnella) and *“Padova Nova”* which is to be organized by the VC for Transfer Technology (Prof. Fabrizio Dughiero).

Scientific Committee

Tommaso Anfodillo, Vasco Boatto, Maurizio Borin, Raffaele Cavalli, Luigi Gallo, Paola Gatto, Francesco Morari, Mara Thiene, Serena Varotto.

Organizing Committee

Maurizio Borin, Alessandro Botton, Thomas Campagnaro, Raffaele Cavalli, Cristiano Franceschinis, Francesco Marinello, Tommaso Sitzia, Mara Thiene, Serena Varotto, Giampaolo Zanin.

An updated version of this program can be found at <http://www.dafnae.unipd.it/en/padova-sydney-conference> or <http://www.tesaf.unipd.it/en/padova-sydney-conference>

Sunday 25th September – Welcome Meeting

Venue: Botanical Garden of Padova

5.00 - 7.00 pm	Botanical Garden of Padova: guided visit and welcome cocktail
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Monday 26th September – Environment, Sustainable Agriculture and Forest Management Conference

Venue: Campus of AGRIPOLIS (Padova), "Pentagono" Building - Lecture Hall 10 (1st floor)

8.30-9.00 am	<i>Registration</i>
Welcome greetings <i>Chairman of the Session: Prof. Raffaele Cavalli (Head of Department TESAF)</i>	
9.00-9.15 am	Prof. Rosario Rizzuto (<i>Rector of the University of Padova</i>) Prof. Alessandro Paccagnella (<i>Pro-Rector for International Relations</i>) Dr. Luca Zaia (<i>President of the Veneto Region</i>)
9.15-9.30 am	Academics from University of Sydney present the Faculty of Agriculture and Environment Prof. Alex McBratney (<i>Dean of the Faculty of Agriculture and Environment</i>) Prof. Mark Adams (<i>Director of the Centre for Carbon, Water and Food</i>)
Keynotes <i>Chairman of the Session: Prof. Raffaele Cavalli (Head of Department TESAF)</i>	
9.30-10.00 am	Prof. Alessandro Cescatti (<i>Joint Research Centre</i>) Forests in the climate system
10.00-10.30 am	Prof. Amedeo Reyneri (<i>University of Torino</i>) The sustainable agriculture approach face to the new paradigms of the food chains
10.30-10.50 am	<i>Coffee break</i>
10.50-11.20 am	Prof. Alex McBratney Global soil security
11.20-11.50 am	Prof. Mark Adams Sustainability and climate change
Environment, Sustainable Agriculture and Forest Management Conference <i>Chairman of the Session: Prof. Maurizio Borin (Head of Department DAFNAE)</i>	
11.50-12.10 am	T. Ancev, J. Giacomoni and M. Thiene - Economic evaluation of Payments for Forest Ecosystem Services (PFES) programs in Vietnam
12.10-12.35 am	L. Secco, M. Masiero, E. Pisani and D. Pettenella - Technological vs. social approach towards the bio-based economy in European forestry sector: a latent ambiguity
12.35-1.00pm	E. Sturaro, M. Berton, M. Ramanzin and G. Bittante - Multi-indicators approach for the evaluation of sustainability of livestock farming in mountainous area
1.00-2.30 pm	<i>Lunch</i>



Environment, Sustainable Agriculture and Forest Management Conference

Chairman of the Session: Prof. Budiman Minasny

2.30-2.50 pm	M. Prosdocimi, R. Masin and P. Tarolli - The erosion of agricultural society: toward an integrated approach for a sustainable connection of soil, water and health
2.50- 3.15 pm	N. Odgers - Digital soil mapping
3.15-3.35 pm	A. Zanella and J.F. Ponge - Morpho-functional classification of humus systems and soil biological functioning
3.35-4.00 pm	R. McConchie - Successful partnerships for fresh produce safety
4.00-4.15 pm	<i>Coffee break</i>

Environment, Sustainable Agriculture and Forest Management Conference

Chairman of the Session: Prof. Tommaso Anfodillo

4.15-5.05 pm	T. Sitzia, S. Grigolato, T. Campagnaro and R. Cavalli - Habitats Directive and management of forest operations: which implications and risk under the current trend of climate change?
5.05-5.30 pm	B. Minasny - Soil carbon modelling
5.30-5.50 pm	L. Bortolini, G. Zanin, V. D'Agostino, F. Bettella and M. Borin - Storm water management through sustainable urban drainage systems: a study in the climatic context of the Venetian Plain
5.50-6.00 pm	<i>Conclusion and wrap up</i>
6.00-8.00 pm	<i>Conference reception</i>

Tuesday 27th September

Venue: Conegliano (Treviso) and Campus of AGRIPOLIS (Padova)

Meeting point in front of the hotels

Field trips

8.00 am	<i>Pickup in Padova</i>
10.00 am	Field trip to Conegliano to visit the School of Oenology & Interdepartmental Centre for Research in Viticulture and Enology Campus (CIRVE) and visit to "Collalto" winery
12.30-2.00 pm	<i>Lunch in Conegliano</i>
2.00 pm	<i>Departure from Conegliano</i>
4.00-6.00 pm	Visit to the University experimental farm "Lucio Toniolo" within the Campus of Agripolis

Wednesday 28th September – “University of Padova meets University of Sydney”

Venue: University of Padova, “Bo” Building – Archivio Antico

“University of Padova meets University of Sydney” Chairman of the Session: Prof. Alessandro Paccagnella (Pro-Rector for International Relations, University of Padova)	
8.45-9.45 am	Opening and welcome addresses: Prof. Rosario Rizzuto (Rector of the University of Padova) Dr. Greg French (The Australian Ambassador) Dr. Massimo Bitonci (Mayor of Padova, tbc) Prof. Rosario Rizzuto (Rector of the University of Padova) and Prof. Duncan Ivison (Deputy Vice-Chancellor Research, University of Sydney) sign the Memorandum of Understanding between University of Padova and University of Sydney
9.45-10.00 am	Prof. Mara Thiene (Advisor for Oceania and South Asia, International Relations, University of Padova) A short overview of Padova-Sydney relationships
10.00-10.40 am	Prof. Duncan Ivison (Deputy Vice-Chancellor for Research, University of Sydney) The strategies of the University of Sydney for research and international relations Prof. Marcella Bonchio (Pro-Rector for Research, University of Padova) The strategies of the University of Padova for research and international relations
10.40-11.00 am	Coffee break
“University of Padova meets University of Sydney” Chairman of the Session: Prof. Mara Thiene (Advisor for Oceania and South Asia, International Relations, University of Padova)	
11.00-12.00 am	Prof. Zdenka Kuncic (Director of the Australian Institute for Nanoscale Science and Technology, University of Sydney) The nano-biotech project Prof. Mark Adams (Director of the Centre for Carbon, Water and Food, University of Sydney) Climate change, environment and sustainability Prof. Fariba Dehghani (Director of ARC Food Processing Training Centre, Director of bioengineering Research, University of Sydney) Innovation in food processing
“University of Padova meets University of Sydney” Chairman of the Session: Prof. Fabrizio Dughiero (Pro-Rector for Technology Transfer, University of Padova)	
12.00- 12.45 am	Dr. Laura Bano (Director of Smart Unipd) The Smart Unipd project Prof. Nicola Piper (Director, Sydney Asia Pacific Migration Centre, University Sydney) Migrations on the global scale Prof. Joanne Arciuli (Faculty of Health Sciences, University of Sydney) Cross-linguistic research on children's speech production
12.45-1.00 pm	Conclusions: Prof. Alessandro Paccagnella (Pro-Rector for International Relations, University of Padova)
1.00-2.30 pm	Lunch



Environment, Sustainable Agriculture and Forest Management Conference

Chairman of the Session: Prof. Serena Varotto

2.30-2.50 pm	T. Bell - Advances in forest fire research in Australia
2.50-3.15 pm	E. Lingua, M. Pividori, F. Pirotti, E. Marcolin, P. Bolzon, N. Marchi, G. Marques, M. Garbarino, D. Castagneri, I. Aicardi, M. Piras and R. Marzano - Post-fire regeneration dynamics in mountain forests of the Alps: from seedlings to landscape
3.15-3.35 pm	L. Copeland - Digestibility of starch as a risk factor for life-style diseases
3.35-4.00 pm	G. Sbardello De Bona and S. Vincenzi - Effect of storage on stilbenoid content in cv. Pinot noir grape canes collected at different time before pruning
4.00-4.15 pm	<i>Coffee break</i>

Environment, Sustainable Agriculture and Forest Management Conference

Chairman of the Session: Prof. Robyn McConchie

4.15-4.35 pm	M. Adams - Potential for nitrogen-enhanced water use efficiency in agricultural crops - legumes vs non-legumes
4.35-5.00 pm	N. Dal Ferro and F. Morari - Understanding soil carbon processes with three-dimensional models
5.00-5.20 pm	B. Whelan Precision agriculture
5.20-5.40 pm	D. Cillis, F. Marinello, A. Pezzuolo, B. Basso and L. Sartori - Precision in conservation agriculture: first results of an experimental study
5.40-6.00 pm	E. Defrancesco, P. Gatto and D. Mozzato - To leave or not to leave: AESs? A longitudinal approach



Thursday 29th September – Conference

Venue: Campus of AGRIPOLIS (Padova), “Pentagono” Building (parallel sessions in different rooms)

Lecture Hall 10 (1st floor)	
Environment, Sustainable Agriculture and Forest Management Conference <i>Chairman of the Session: Prof. Samuele Trestini</i>	
9.00-9.20 am	L. Marini, M. Dainese, D.J. Inclin, T. Sitzia and G. Tamburini - Managing biodiversity and ecosystem services for sustainable agricultural production
9.20-9.45 am	M. Gharum - Application of computer simulation in enhancing students' learning about forest ecology and management
9.45-10.05 am	C. Pornaro and S. Macolino - Forest succession and botanical composition changes in abandoned Alpine pastures related to rare species and environmental factors
10.05-10.25 am	<i>Coffee break</i>
Environment, Sustainable Agriculture and Forest Management Conference <i>Chairman of the Session: Prof. Les Copeland</i>	
10.25-10.45 am	B. Kaiser - Managing plant nitrogen access for sustainable agriculture
10.45-11.10 am	M. Tolomio, A. Berti and M. Borin - Nutrient balances at different scale as indicator of sustainability
11.10-11.30 am	S. Trestini, S. Szathvary, E. Ricci and S. Stranieri - Should we extend the Eu-Ecolabel to beef meat? A focus on consumers' purchase intention in Italy
11.30-11.55 am	C. Sartori, N. Guzzo and R. Mantovani - Optimal contribution selection in Rendena cattle: genetic improvement and maintenance of genetic diversity in small local population
11.55-12.30 am	<i>Concluding discussion</i>
12.30-2.00 pm	<i>Lunch</i>



Room 22 (2nd floor)	
Training Workshop on Digital Soil Mapping	
9.00-10.05 am	Budiman Minasny and Nathan Odgers (<i>University of Sydney</i>) 1 st part of the workshop
10.05-10.25 am	<i>Coffee break</i>
10.25-12.30 am	Budiman Minasny and Nathan Odgers (<i>University of Sydney</i>) 2 nd part of the workshop
12.30-2.00 pm	<i>Lunch</i>
2.00-4.00 pm	Budiman Minasny and Nathan Odgers (<i>University of Sydney</i>) 3 rd part of the workshop



Lecture Hall 10 (1st floor)	
Workshop on The art of writing scientific papers	
2.00-4.00 pm	Les Copland (<i>University of Sydney</i>)





Meeting point in front of Lecture Hall 10 (1st floor)	
Visit to the School of Agriculture and Veterinary Medicine, DAFNAE and TESAF labs	
2.00-4.00 pm	<i>Accompanied by Heads of Departments</i>



Meeting point at the hotel	
Farewell Dinner at Ca' Marcello, one of the most well maintained examples of Palladian style villas which lays in the middle of the Veneto region	
6.30 pm	<i>Pickup in Padova</i>

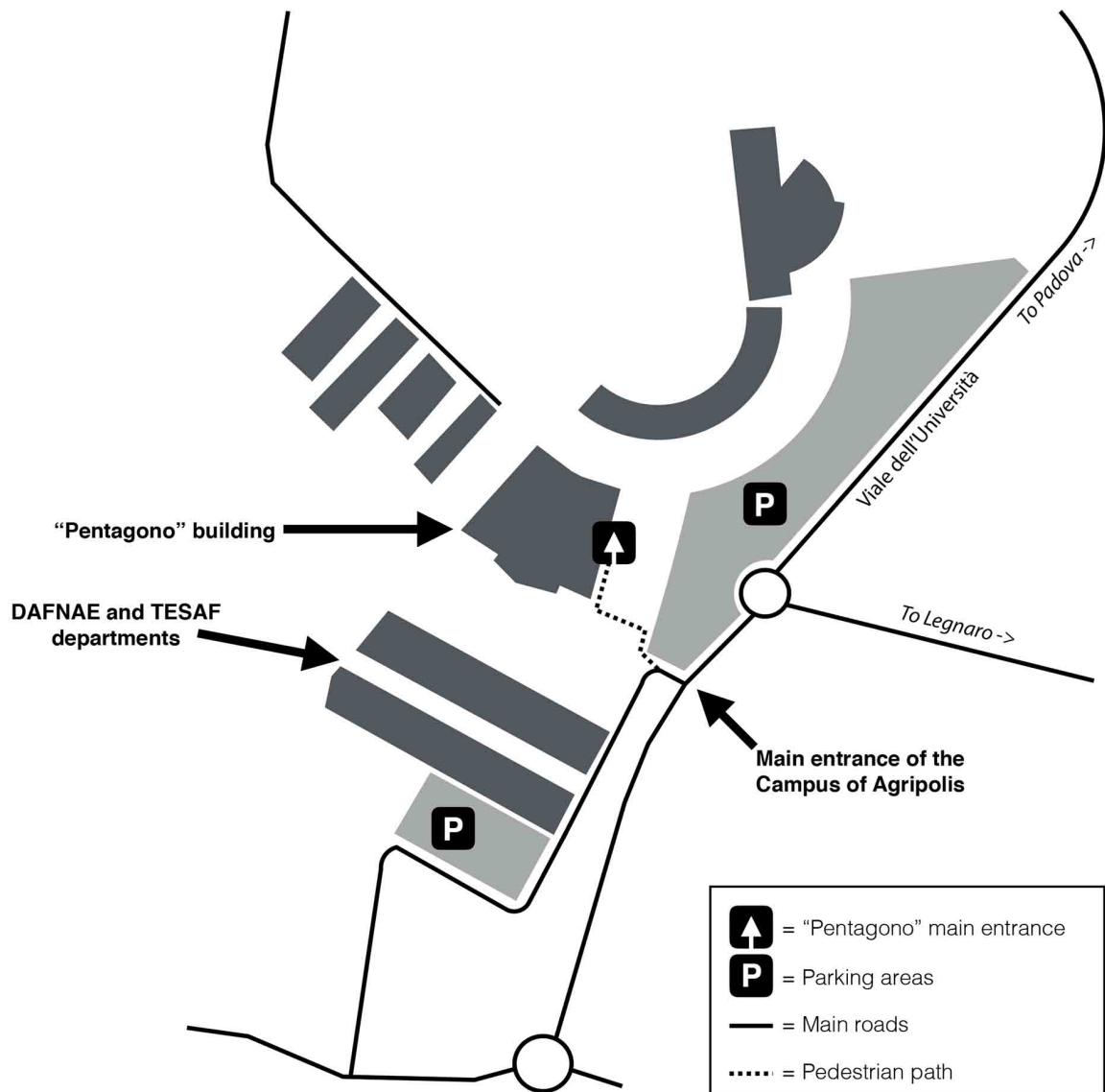


Symbols

 = coffee break	 = lunches/reception
 = bus trip	 = by walk

Maps

The Campus of AGRIPOLIS



The "Pentagono" building

