

“Agriculture and Animal Husbandry in a Changing Climate”

Conveners: Dr. Polycarpou Polycarpou and Dr. Kerstin Neumann

Thematic Areas	Thematic Areas
<i>Genomics and breeding in a changing climate</i>	<i>Soil microecology and greenhouse gas emissions</i>
<i>Crop production in a changing environment</i>	

INVITED TALKS		
Talk	Title	Title
1	Dr. Georgia Hadjipavlou, Agricultural Research Officer A', Agricultural Research Institute or Dr. Michalis Omirou, Agricultural Research Officer A', Agricultural Research Institute	The AGRICYGEN project: Genomic studies of animals, plants and microbes under Cyprus conditions
2	Dr. Dionysia Fasoula, Agricultural Research Officer A', Agricultural Research Institute	Acceleration of climate modifications and need to follow up with an equal pace during plant breeding efforts
3	Dr. Kerstin Neumann, Post-doctoral fellow, The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany	Non-invasive phenotyping is a valuable tool to genetically dissect components of drought tolerance in cereals
4	Dr. Carole Moreno-Romieux, Senior Researcher, L'Institut National de la Recherche Agronomique (INRA), Toulouse, France	Genetic determinism of feed efficiency traits in French sheep breeds
5	Dr. Pauline Aad, Assistant Professor, Notre Dame University – Louaize, Lebanon	Effect of Heat Stress and Water Quality on adaptation, Production and Reproduction of Awassi Sheep
6	Dr. Marinos Markou, Chief Agricultural Research Officer, Agricultural Research Institute	Adaptation of Mediterranean Agriculture to climate change - Adapt2Clima project results
7	Dr. Panayiotis Dalias, Agricultural Research Officer A', Agricultural Research Institute	Water demands and irrigation needs of crops in the changing environment of Cyprus
8	Dr. Laurent Philippot, Director of Research, L'Institut National de la Recherche Agronomique (INRA), Dijon, France	Soil microorganisms act as sources and sinks of the greenhouse gas N₂O

PRE-CONFERENCE WORKSHOP #2 | 17 MAY 2018

Timing	Title	Convener(s)	Description
General session – Chairperson			
08:00-09:00	Registration & Welcome coffee		
09:00-09:10	Welcome – Polycarpos Polycarpou		
09:10-09:30	Address – Costas Kadis, Minister of Agriculture		
09:20-09:30	Address – Ioanna Panayiotou, Cyprus Environment Commissioner		
09:30-10:00	Invited talk #A – Georgia Hadjipavlou		The AGRICYGEN project: Genomic studies of animals, plants and microbes under Cyprus conditions
10:00-10:30	Invited talk #B– Dionysia Fasoula		Acceleration of climate modifications and means to follow up with an equal pace during plant breeding efforts
<i>COFFEE BREAK (30 min) “Pentadaktylos” Restaurant</i>			
TOPIC#1 Genomics and breeding in a changing climate- G. Hadjipavlou (chair)			
11:00-11:30	Invited talk #C– Carole Moreno		Genetic determinism of feed efficiency traits in French sheep breeds
11:30-12:00	Invited talk #D– Pauline Aad		Effect of Heat Stress and Water Quality on adaptation, Production and Reproduction of Awassi Sheep
12:00-12:30	Invited talk #E– Kerstin Neumann		Non-invasive phenotyping is a valuable tool to genetically dissect components of drought tolerance in cereals
<i>LUNCH BREAK (1h20 min) “Pentadaktylos” Restaurant</i>			
TOPIC#2 Crop production in a changing environment – D. Fasoula (chair)			
14:00-14:30	Invited talk #F– C. Moraiti		Adaptation of Mediterranean Agriculture to climate change - Adapt2Clima project results
14:30-15:00	Invited talk #G – Panayiotis Dalias		Water demands and irrigation needs of crops in the changing environment of Cyprus
15:00-15:20	Christos Zoumides		Mediterranean terraced vineyards as a climate change adaptation option
15:20-15:40	Elias Giannakis		Agricultural labour productivity in a changing climate: Evidence from European regions
<i>COFFEE BREAK (30 min) “Pentadaktylos” Restaurant</i>			
TOPIC#3 Soil microecology and greenhouse gas emissions – M. Omirou (chair)			
16:10-16:40	Invited talk #H– Laurent Philippot		Soil microorganisms act as sources and sinks of the greenhouse gas N ₂ O
16:40-17:00	Michalis Omirou		Using microbes in a climate changing agriculture: theory, challenges and practice
17:00-17:20	Evgenios Agathokleous		Hormesis For Predicting The Effect of Ozone on Vegetation
<i>17:30-20:00: Poster session + cocktail “Pentadaktylos” Restaurant</i>			

Posters

1. **Martial Sylvain Marie Abega Eloundou.** Climate change and opportunities for the development of sustainable agriculture in Africa.
2. **Evgenios Agathokleous, Mitsutoshi Kitao, Edward Calabrese.** Lanthanum Induces Hormesis in Plants: A Perspective for Agriculture.
3. **Athanasia-Eleni Kavadia, Michalis Omirou, Ioannis M. Ioannides.** Drought conditions affect nutrient content and mycorrhizal associations on two different chickpea genotypes.
4. **Ioannis Anastopoulos, Michalis Omirou, Ioannis M. Ioannides.** The effect of agricultural wastes on soil bacterial communities and on greenhouse gas emissions.
5. **Coralea Stephanou, Michalis Omirou, Ioannis M. Ioannides.** The effect of tetracycline on soil microbial communities and N₂O flux.



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