



**THIRD SYMPOSIUM ON FAMILY AGRICULTURE
ADAPTATION TO CLIMATE CHANGE IN LATIN
AMERICA AND THE CARIBBEAN**

IN THE FRAMEWORK OF THE XIII FONTAGRO
WORKSHOP ON TECHNICAL MONITORING OF PROJECTS



TUESDAY, JUNE 5, 2018



**WORKSHOP: OPEN-SOURCE MIT TECHNOLOGIES TO SUPPORT FAMILY
AGRICULTURE ADAPTATION TO CLIMATE CHANGE**

Objective:

The objective of the workshop is to disseminate knowledge and promote know-how exchanges among agricultural technology institutes, governments, and academia in the region regarding technologies that support agriculture's adaptation to the effects of climate change and the minimization of the environmental impact of agricultural activity. Participants will have access to information on two low-environmental-impact technologies developed by the Massachusetts Institute of Technology (MIT).

8:00 AM - 8:30 AM

Participant transfer and registration

8:45 AM - 9:00 AM

Opening of the Third Symposium on Family Agriculture Adaptation to Climate Change, Amal Lee Amin, Climate Change Division Chief

9:00 AM - 9:40 AM

Progress on Adapting the Agricultural and Livestock Production Sector to Increasing Climatic Impact, Juliana Almeida, Climate Change Division, and Ana Rios, Environment, Rural Development and Disaster Risk

9:40 AM - 10:45 AM

Agriculture in a Controlled Environment: Hydroponic and Aeroponic Technology in Mobile Containers, Prof. Mario Siler, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (Cinvestav)

10:45 AM - 11:00 AM

Coffee

11:00 AM - 12:15 PM

Drip Irrigation with Very Low Energy Consumption, Prof. Amos Winter, MIT Department of Mechanical Engineering

12:15 PM - 12:45 PM

Pilot Experience: Drip Irrigation in Bolivia, Juan Manuel Murguia (RND), Susana Suaznabar (CTI), Alfred Grunwaldt (CCS)

12:45 PM - 1:00 PM

Closing Remarks, Eugenia Saini, Executive Secretary of FONTAGRO, and Pedro Martel, Environment, Rural Development and Disaster Risk Management Division Chief

1:00 PM - 2:00 PM

Light Lunch

TUESDAY, JUNE 5, 2018 – CONT.

**THIRTEENTH WORKSHOP ON TECHNICAL
MONITORING OF PROJECTS**

SESSION: PROGRESS OF ONGOING PROJECTS

Twenty-minute presentation. Questions and answers at the end of the session.

Moderators: Axel Villalobos, Panama and Miguel Obando, Nicaragua. Members of FONTAGRO's Board of Directors

2:00 PM - 2:20 PM	Early Warning Signs for Coffee Rust - SRAT René León-Gómez (PROMECAFE, IICA)
2:20 PM - 2:40 PM	Technological Innovations for the Dry Corridor Humberto Benito Blandón (UNAG, Nicaragua)
2:40 PM - 3:00 PM	Biointensive Farming in the Dry Corridor Ramón Cucurull Cañellas (Amigos de la Tierra, Nicaragua)
3:00 PM - 3:20 PM	Centers with a Varietal Offering of Traditional Seeds Erika Salazar Suazo (INIA, Chile)
3:20 PM - 3:40 PM	Family Agriculture Systems in Uruguay and Argentina Pablo Socca (INIA, Uruguay)
3:40 PM - 4:00 PM	Questions and answers, and remarks from moderators
4:00 PM - 4:20 PM	Coffee
Moderator: Juan Balbín, Argentina. Member of FONTAGRO's Board of Directors	
4:20 PM - 4:40 PM	Sustainable Intensification of the Dairy Sector - LACTIS Santiago Fariña (INIA, Uruguay)
4:40 AM - 5:10 PM	Innovation Platform for Improving Farmers' Adoption of CSA Nadine Andrieu (CIAT, Colombia)
5:10 PM - 5:40 AM	Managing Water Resources in Banana Communities Juan Castellón (UNAN-León, Nicaragua)
5:40 PM - 6:00 PM	Questions and answers, and remarks from moderators

WEDNESDAY, JUNE 6, 2018

FONTAGRO'S EIGHTH SCIENTIFIC EXCELLENCE AWARD, 2018
FINAL PROJECT REPORTS

Thirty-minute presentation. Questions and answers at the end of the session.

Moderators: Carlos Araya, Costa Rica and Santiago Bertoni, Paraguay. Members of FONTAGRO's Board of Directors

8:30 AM - 9:00 AM	Rice Farming Practices José Alberto Yau Q (IDIAP, Panama)
9:00 AM - 9:30 AM	Farming More with Less (SICA) Kelly Witkowsky (IICA, Costa Rica)
9:30 AM - 10:00 AM	Coffee Berry Borers Omar Alfaro (IDIAP, Panama)
10:00 AM - 10:30 AM	Lost Andean Crops Pablo Mamani (PROINPA, Bolivia)
10:30 AM - 11:00 AM	Questions and answers, and remarks from moderators
11:00 AM - 11:30 AM	Coffee Moderators: Miguel Barandiarán, Peru and Pedro Bustos, Chile. Members of FONTAGRO's BoD
11:30 AM - 12:00 PM	The Quality of Cacao Carlos Eduardo Hernández Aguirre (UN, Costa Rica)
12:00 PM - 12:30 PM	Greenhouse Gas Emissions in Central America Diego Tobar López (CATIE, Costa Rica)
12:30 PM - 13:00 PM	Greenhouse Gas Emissions in the Andean Region Carlos Gómez Bravo (Universidad La Molina, Peru)
13:00 PM - 13:30 PM	Integrated Adaptation-Mitigation Strategy for Livestock Systems in LAC Marta Alfaro (INIA, Chile)
13:30 PM - 14:00 PM	Questions and answers, and remarks from moderators
14:00 PM - 15:00 PM	Lunch - Group Picture
15:00 PM - 15:15 PM	Voting on FONTAGRO's Eighth Scientific Excellence Award
15:15 PM - 15:30 PM	Closing Remarks by members of FONTAGRO's Executive Committee
15:30 PM - 16:00 PM	Coffee and Project Poster Presentations
16:00 PM - 18:00 PM	Training on Lessons Learned
18:00 PM - 19:30 PM	Cocktail: FONTAGRO's Eighth Scientific Excellence Award Winner, 2018

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