

## DiveCropS:

Diversifying Cropping Systems - Traditional knowledge and Innovative approaches  
Diversificación de sistemas de cultivos - Conocimientos tradicionales y enfoques innovadores



## FIRST JOINT WORKSHOP

### "Biodiversity in agricultural and forestry systems of Ecuador: experiences for sustainability"

#### SCIENTIFIC PROGRAM

| <b>Date: 05/11/2019</b><br><b>Place: Hostería El Pigual</b>  |                               |   |   |
|--|-------------------------------|---|---|
| <b>Schedule</b>  | <b>Speaker</b>                | <b>Institution</b>  | <b>Contribution title</b>   |
| 08:30 – 09:00  | Registration of participants. |   |   |
| 09:00 – 09:15  | Welcome by Rectors            | Regional Amazon University Ikiam.<br>Amazon State University. | Welcome.  |
| 09:15 – 09:30  | Bettina Eichler-Lobermann.    | Rostock University, Germany.                                  | Welcome.  |
| Oral presentations on biodiverse agricultural and forestry systems.<br>Moderator: Dr. Roldán Torres Gutiérrez. Rapporteur: Kassandra del R. Bazantes Saltos. |                               |   |   |
| 09:30 – 09:45  | Pablo R. Cuenca Capa.         | Regional Amazon University Ikiam,<br>Ecuador.                 | Restoration in tropical agroecosystems.   |
| 09:45 – 10:00  | Dong-Gill Kim.                | Hawassa University, Ethiopia.                                 | Carbon sequestration and mitigation potentials of greenhouse gases in agroforestry: summary of global data and implications in the era of climate change. |
| 10:00 – 10:15  | Mario J. Añazco Romero.       | North Technical University, Ecuador.                          | Development of agroforestry practices with the species <i>Alnus nepalensis</i> in the area of Intrag, northwestern Ecuador.                               |
| 10:15 – 10:30  | Jael B. Cruz Castillo.        | National Agrarian University, Nicaragua.                      | Carbon storage in two permanent sampling plots in wildlife refuge of the Río Escalante Chacocente   |
| 10:30 – 11:00  | Coffe break.                  |   |   |
| 11:00 – 11:15  | Marcel Ackermann.             | Rostock University, Germany.                                  | Soil and water analysis methods.  |

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|   |                                      |   |   |  |  |  |
|---|--------------------------------------|---|---|--|--|--|
| 11:15 – 11:30   | Reinaldo D. Alemán Pérez.            | Amazon State University, Ecuador.                                 | Diversification of agroproductive systems in the Ecuadorian Amazon Region.  |  |  |  |
| 11:30 – 11:45   | Quirino Arias Cedeño.                | Granma University, Cuba.  | Biodiversity of plants with medicinal potential in eastern Cuba.  |  |  |  |
| 11:45 – 12:00   | Claudia C. Flores.                   | University of La Plata, Argentina.                                | Biodiversity management in agroecosystems.  |  |  |  |
| 12:00 – 12:15   | Zhofre Aguirre Mendoza.              | National University of Loja, Ecuador.                             | Diversity, structure and use of plant resources of the seasonally dry forests of southern Ecuador.                |  |  |  |
| 12:15 – 12:30   | Juan C. Cruz Hurtado.                | Technological University of Havana José Antonio Echeverría, Cuba. | Wireless sensor network for soil fertility monitoring.  |  |  |  |
| 12:30 – 13:00   | General discussion of presentations. |   |   |  |  |  |
| 13:00 – 14:30   | Lunch.                               |   |   |  |  |  |
| Continuation of oral presentations on biodiverse agricultural and forestry systems. |                                      |   |   |  |  |  |
| Moderator: Dr. Carlos A. Bravo Medina. Rapporteur: Sayaro C. Guaña González.        |                                      |   |   |  |  |  |
| 14:30 – 14:45   | Silke Ruppel.                        | Universidad de Rostock.   | Current methods in Biotechnology.   |  |  |  |
| 14:45 – 15:00   | Carlos Rodríguez M.                  | Technical University of Ambato, Ecuador.                          | The soil as a living being: a microbial perspective.  |  |  |  |
| 15:00 – 15:15   | Jorge L. Jios.                       | University of La Plata, Argentina.                                | Chemical analysis as a model to characterize traditional species: the case of tomato platense                     |  |  |  |
| 15:15 – 15:30   | Simón Pérez Martínez.                | State University of Milagros, Ecuador.                            | Biol as a substitute for fungicides in the management of a CCN-51 technical cocoa system on the coast of Ecuador. |  |  |  |
| 15:30 – 16:00   | Coffe breack.                        |   |   |  |  |  |
| 16:00 – 16:15   | Raymundo Vento Tielve.               | Pinar del Río University, Cuba.                                   | Crop diversification and traditional technologies in family farming for sustainability, in Pinar del Río, Cuba.   |  |  |  |
| 16:15 – 16:30   | Bladimir Dahua Shiguango.            | Kallari Association, Ecuador.                                     | Value chains of cocoa and vanilla produced under chakra system in Kallari Association.                            |  |  |  |
| 16:30 – 16:45   | Ezequiel Zamora Ledezma.             | Technical University of Manabi, Ecuador.                          | Research and academic initiatives in agroecosystems and climate change at the Technical University of Manabí.     |  |  |  |
| 16:45 – 17:00   | General discussion of presentations  |   |   |  |  |  |

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| 17:00 – 17:30   | . Project activity planning   |  |   |  |  |
|---|---|--|---|--|--|
| Date: 08/11/2019  |   |  | Place: Hotel Ambato   |  |  |
| Schedule  | Speaker   | Institution  | Contribution title  |  |  |
| Presentations about progress and project perspectives.  |   |  |   |  |  |
| Moderator: Prof. Dr. Bettina Eichler-Löbermann. Rapporteur: Kassandra del R. Bazantes Saltos. |   |  |   |  |  |
| 08:30 – 08:45   | Bettina Eichler-Löbermann.  | Rostock University, Germany.   | Information on annual activities carried out and perspectives of DiveCropS project. |  |  |
| 08:45 – 08:55   | Roldán Torres Gutiérrez.  | Regional Amazon University Ikiam – State Amazon University, Ecuador. | Activities carried out and perspectives in Ecuador.                                 |  |  |
| 09:05 – 09:15   | Raúl López Sánchez.   | Granma University, Cuba.   | Activities carried out and perspectives in Granma, Cuba.                            |  |  |
| 09:25 – 09:35   | Jorge Ulises Blandón Díaz.  | National Agrarian University, Nicaragua.                             | Activities carried out and perspectives in Nicaragua.                               |  |  |
| 09:45 – 09:55   | Evelyn Pérez Rodríguez.   | Pinar del Río University, Cuba.                                      | Activities carried out and perspectives in Pinar del Río, Cuba.                     |  |  |
| 10:05 – 10:15   | Dong-Gill Kim.  | Hawassa University, Etiopía.   | Activities carried out and perspectives in Ethiopia.                                |  |  |
| 10:25 – 10:40   | Juan C. Cruz Hurtado.   | Technological University of Havana José Antonio Echeverría, Cuba.    | Activities carried out and perspectives in La Habana, Cuba.                         |  |  |
| 10:50 – 11:15   | General discussion of presentations and project work plan               |  |   |  |  |
| 11:15 – 11:30   | Coffe breack.   |  |   |  |  |
| 11:30 – 12:00   | Workshop rapporteury and certificates delivery.                         |  |   |  |  |
| 12:00 – 13:00   | Lunch.  |  |   |  |  |
| 13:30   | Departure to Quito / Guayaquil for return to city or country of origin. |  |   |  |  |