

ANA LUCÍA SOLANO GARRIDO

Research Institute
Universidad del Valle de Guatemala
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Current Position : Secretary of the Research Institute of the Universidad del Valle de Guatemala.

Responsibilities:

- Coordinate the measurement of indicators of the Research Institute, to monitor the performance of the 11 research centers.
- Promote the linkage of the Institute to the internal UVG through joint work with other academic areas and externally through channels of disclosure and participation in activities with different sectors of the country.
- Promote the continuous training of the researchers of the 11 research centers.
- Facilitated the organization and interaction between the centers to enhance the research work.
- Lecturer Universidad Del Valle de Guatemala, teach the course: Environmental and sustainability challenges since 2015.

EDUCATION:

- 2007 Degree in Forest Engineering, with distinction CUM- LAUDE, UNIVERSIDAD DEL VALLE DE GUATEMALA
- 2001 Bachiller en Ciencias y Letras, Instituto Belga Guatemalteco.

SPECIALIZED COURSES:

- 2008 Postgraduate course: Monitor in Environmental Education, Instituto Latinoamericano de Ciencias, Perú. Guatemala.
- 2009 Training: Statistical analysis for social sciences, Universidad Del Valle de Guatemala
- 2015 Diploma: Introduction to Household Water Treatment and Safe Storage. EAWAG Aquatic research of Suiza. Guatemala.
- 2015 Diploma: Regional Congress of Science and Technology Entrepreneurship. IOP Institute of Physics, International Centre for Theoretical Physics, ICTP. Guatemala.
- 2015 Tenth National Workshop on Dendrochronology. CENID-RASPA, INIFAP, Durango, México.
- 2016 Diploma: International Water Law, La WETnet, GWP and UNDP Cap-Net. Guatemala
- 2015 Course: ISO17025 Standard compliance testing laboratory. DBG Consultants, Guatemala.
- 2016 Training: Flow measurement and deposits soil carbon. US Forest Service, University of Michigan, Silva Carbon. Michigan, United States.
- 2017 Course: ONE HEALTH, connecting Humans, Animals and the Environment. University of Basel.

PARTICIPATION IN RESEARCH NETWORKS AND PROJECTS:

International Level

2007-2008 Research assistance in the project: International Forestry Resources and Institutions, IFRI.

Mesoamerica Region

2013-2015 Small coffee producers and adaptive options for a Changing climate: the risks and challenges of certification for ecosystem services. Project funded by the Inter American Institute for Global Change Research (IAI).

2010-2012 The effects of migration and remittances on land use change in rural Guatemala and Mexico: is there a forest transition? Implemented jointly with the Centre for Development and the Environment, University of Oslo and Colegio de la Frontera Sur, Mexico.

2008-2010 Strategies for Effective Adaptation and Risk Reduction In the face of price volatility, climate change, pests and disease: Lessons from the Coffee Crisis in Mesoamerica. Project funded by the Inter American Institute for Global Change Research (IAI).

2009 Ecological and socio-economic diagnosis of the pine-oak forests in Central America. Project developed jointly with The Nature Conservancy.

National level

2016-2018 Design of the project "Cero Fogones Abiertos" with the RENASE methodology (Restoration of natural, social and economic capital). The first pilot project in Guatemala to compensate ecological footprint. Joint work with Fundación Solar and Baxter Corporation. Aguacatán, Huehuetnango, Guatemala.

2014-2016 Reconstructing the frequency of droughts in Tropical America using dendrochronology. Financed by NSF, USA and implemented jointly with Woods Hole Oceanographic Institute and Denver University.

2011 Professor of Technology of Seed and Nursery, Universidad del Valle de Guatemala.

2008 Project FENIX-CGN : Design a Plan of Management and Monitoring of Flora and Fauna in the area of direct and indirect influence of the mining processing. El Estor, Izabal.

2008 Professor of Community Forest Management, Universidad del Valle de Guatemala.

2008 Consulting: Vulnerability to Climate Change in Guatemala. Consulting conducted to the Ministry of Environment and Natural Resources and INSIVUMEH

DISTINCTIONS

- 2007 Distinction CUM- LAUDE , Degree in Forest Engineering, UNIVERSIDAD DEL VALLE DE GUATEMALA
- 2015 Second place for better grades in team competition on the course, Household water treatment and safe storage. 19 teams participated with members worldwide.
- 2015 Entrepreneur Award, for having the best project of scientific innovation in the regional Congress of scientific and technological entrepreneurship in Guatemala.

PUBLICATIONS:

Hannah, L., C. Donatti, C. Harvey, E. Alfaro, D. Rodríguez, C. Bouroncle, E. Castellanos, F. Díaz, E. Fung, H. Hidalgo, P. Imbach, P. Laderach, J. Landrum y A. Solano. 2016. Regional Modeling of climate change impacts on smallholder agriculture and ecosystems in Central America. Climatic Change. DOI 10.1007/s10584-016-1867-y

RECENT PRESENTATIONS AT CONFERENCES

- Conference: Agriculture in Guatemala in the context of Climate Change. XV Congress of Integrated Pest Management. Guatemala. 2017.
- Conference: The situation of Agriculture in Guatemala in the context of Climate Change. Workshop: "Climate-Smart Agriculture in the Western Highlands". Guatemala. 2016.
- Conference: The situation of Agriculture in Guatemala in the context of Climate Change. Actions Meeting on Organic Agriculture and Climate Change Adaptation. Guatemala. 2016.
- "The effect of agricultural practices for sustainable coffee production in Mesoamerica under climate change conditions". Scientific Meeting: Ecosystems, Climate Change and Small Producers in Central America. Costa Rica. 2015.
- Collaboration in the conference "Effective adaptation strategies and risk reduction to Global Changes in small farmers in Mesoamerica". International Scientific Conference 'Our Common Future Under Climate Change'. Paris, France, 2015.
- "Effective adaptation strategies and risk reduction to Global Changes in small farmers in Mesoamerica". International Symposium Pre-COP Lima 2014. Biodiversity and Climate Change: CONTRIBUTIONS FROM SCIENCE TO POLITICS FOR SUSTAINABLE DEVELOPMENT. Lima, Perú. 2014.
- "Climate Change and its impact in Guatemala." Project for training journalists on the issue of Climate Change. Guatemala. 2011

LANGUAGES

- Spanish (native): Advance writing and editing skills in any subject area.
- English (medium level): Listening, speaking, reading, and writing.

COMPUTER SOFTWARE

- Microsoft (Word, Excel, Power Point) & any web
- SPSS
- NVIVO8
- COFECHA