

Curriculum Vitae

Andrea Mariel Juárez Lucas

Academic background

- 2013 - Present PhD. Risk Disaster Management and Policy
National Graduate Institute for Policy Studies (GRIPS) & the International Centre for Water Hazard and Risk Management (ICHARM), Japan
Dissertation (in progress): Risk-Benefit analyses to balance flood risk, livelihoods and ecosystem services
- 2011 - 2013 MSc. Climate Studies - Integrated Water Management
Wageningen University, the Netherlands
Thesis: Unveiling rules-in-use in eco-engineering projects
- 2004 - 2009 BSc. (Licentiate degree) Forest Engineering - *Cum Laude*
Universidad del Valle de Guatemala, Guatemala
Thesis: Analysis of the National Forestry Incentive Program and hydrological services, the case of Achiguate River Basin, Guatemala (in Spanish)

Professional and work experience

- Oct. 2013 - Present Research Assistant
International Centre for Water Hazard and Risk Management (ICHARM), Japan
Support academics and students with research and field survey activities.
- Jan. 2010 - Aug. 2011 Forest Engineer
Fundación Defensores de la Naturaleza (FDN), Guatemala
Analyze hydrological and socio-economic data to support payment for ecosystem services schemes. Assist research on human well-being and dynamics of forest cover. Support development of funding proposals.
- Jan. 2009 - Dec. 2009 Research Assistant
Centre of Environmental and Biology Studies (CEAB) Universidad del Valle de Guatemala, Guatemala
Coordinate and conduct forest and carbon inventories. Analyze biomass and soil samples in the laboratory to estimate carbon content, and characterize drivers of land use change in surveyed areas.

Languages

Spanish - native speaker
English - fluent in writing, speaking and reading
Portuguese - basic proficiency

Computer skills

Microsoft Windows, MacOS, Microsoft Office, ArcGIS, Stata, SciDaVis, FORTRAN, MATLAB, GRADS

Awards

- 2009 Universidad del Valle de Guatemala
Honorary Award for undergraduate thesis: "Analysis of the National Forestry Incentive Program and hydrological services, the case of Achiguate River Basin, Guatemala"

2005-2009 Universidad del Valle de Guatemala
Distinction Diploma

Other academic and work experience

1-30, Nov. 2012 Exchange graduate student, Polytechnic University of Valencia
Valencia, Spain

Jan. 2011-Aug. 2011 Member of the National REDD+ Implementers Group
Guatemala City, Guatemala

Nov. 2010-Dec. 2010 Member of the scientific and logistic committee, 2010 Biodiversity and Environmental
Services Symposium
Guatemala City, Guatemala

Feb. 2008-Jun. 2008: Intern, Strategic Planning Unit, National Forest Institute (INAB)
Guatemala City, Guatemala

Jan. 2007-Jun. 2007: Laboratory Assistant, Forestry Herbarium
Universidad del Valle de Guatemala
Guatemala City, Guatemala

Jul. 2006-Nov. 2006: Course Assistant, Seeds, Nurseries, and Edaphology Laboratories
Universidad del Valle de Guatemala
Guatemala City, Guatemala

Jan. 2006-Jun. 2006: Course Assistant, Natural Sciences Laboratory (Biology Module)
Universidad del Valle de Guatemala
Guatemala City, Guatemala

Publications and conference proceedings:

Juarez, A.M. & Kibler, K.M. *Integrated Flood Management in developing countries: balancing flood risk, sustainable livelihoods, and ecosystem services*, International Journal of River Basin Management, 2016, 14:1, pp. 1-13

Kibler, K.M., Biswas, R.K., and Juarez, A.M. *Hydrologic data as a human right? Equitable access to information for DRR in transboundary river basins*, Water Policy, IWAP, 2014.

Juarez, A.M., Kibler, K. M., and Ohara, M. *Evaluating coping capacity and benefits of flood-prone land use to support Integrated Flood Management in developing countries: community assessment in Candaba, Philippines*, American Geophysical Union (Fall Meeting), 14-18/12/2015, San Francisco, United States. (Oral presentation)

Juarez, A.M., Kibler, K.M., and Ohara, M. *Risk-Benefit Assessment for Integrated Flood Management: supporting sustainable livelihoods in Candaba, Philippines*, 18th International River Symposium, 21-23/09/2015, Brisbane, Australia. (Oral presentation)

Juarez, A.M. & Kibler, K.M. *Risk-Benefit Assessment for Integrated Flood Management: Supporting sustainable livelihoods in developing countries*, 16th International Summer Symposium, Japan Society of Civil Engineers, 10/09/2014, Osaka, Japan, pp. 33-32. (Oral presentation)