

ADDRESS

Department of Anthropology
Southern Methodist University
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PROFESSIONAL APPOINTMENTS

- 2017-present **Assistant Professor of Anthropology**, Dedman College of Humanities and Sciences, Southern Methodist University
- 2015-2017 **AAAS Science & Technology Policy Fellow**, American Association for the Advancement of Science (AAAS) Science and Technology Policy Fellowships, Hosted at U.S. EPA Office of Research and Development
- 2016-2017 **Associate Research Fellow**, and
2014-2015 **Postdoctoral Research Associate**, Northeastern University Social Science Environmental Health Research Institute (SSEHRI) & Department of Sociology and Anthropology

AREAS OF SPECIALIZATION

Cultural anthropology, environmental anthropology, environmental health, medical anthropology, infrastructure studies, human-centered design, water and sanitation, environmental and human health impact of pollution, political ecology, human rights, indigenous rights, culturally-relevant risk assessment, environmental justice, mixed methods, interdisciplinary research, technologies for data collection, data visualization, gender and development, development studies, watershed management, equity and access to resources. *Regional Interests*: Latin America and the Caribbean, Eastern Europe, and the United States.

EDUCATION

- 2014 **Ph.D. Applied Anthropology**, University of South Florida, Tampa, Florida
2008 **M.S. International Development**, Tulane University, New Orleans, Louisiana
2006 **B.A. (cum laude) Classical Civilization and Political Science**, Loyola University, Chicago, Illinois

GRANTS, FELLOWSHIPS, AND AWARDS

Grants as PI or Co-PI, External

- 2017-2020 **(PI)** National Science Foundation Coastal SEES. Award Date August 31, 2017. Coastal SEES Collaborative Research: Integration of human behavior and perception into a risk-based microbial water quality management approach. **PI: M. Cairns**, PI: Mya Breitbart, Co-PI: V.J. Harwood
Total: \$1.5 Million, with \$.5 million under M. Cairns at Southern Methodist University. [smu.edu/mera]

Grants as Key Personnel, External

2015-2019 **(Key Personnel)** Center for Research on Early Childhood Exposure and Development in Puerto Rico (CRECE), Northeastern University, NIEHS/EPA Children's Environmental Health Center – Community Outreach and Translation Core. Total: \$2.9 Million [Role Declined due to acceptance of position at SMU].

Completed Grants as PI or Co-PI, Internal

2016-2018 **(Co-PI)** EPA NERL Citizen Science Initiative
Social Values Assessment of Waters of the United States
Lead PI: J. Flotemersch, Co-PIs: A. Lan, **M. Cairns**, C. Cox, J. Zambrana, and M. Scrown.
Total: \$75,000

2010 **(PI)** Institute for the Study of Latin America and the Caribbean Mini Research Grant. "Community Managed Rural Water Systems in Bolivia and Anthropological Methods: Finding a Gateway to Sustainability."
Total: \$1,500.

2012 **(Co-PI)** Research Challenge Grant, University of South Florida.
Total: \$5,000.

Dissertation and Graduate Research Funding, External and Internal

2013-2014 Research Assistantship NSF PIRE "Context Sensitive Implementation of Synergistic Water-Energy Systems." (PI: James Mihelcic) Full tuition, fees, travel, and salary plus travel stipend of \$2,500.

2012 Research Fellowship under NSF "Sustainable Water Management Research Experience in Bolivia: Influence of a Dynamic World on Technological and Societal Solutions." (PI: James Mihelcic) Full research, travel, and equipment plus \$1,000 stipend.

2011 Research Fellowship under NSF "Sustainable Water Management Research Experience in Bolivia: Influence of a Dynamic World on Technological and Societal Solutions." (PI: James Mihelcic) Full research, travel, and equipment plus \$1,000 stipend.

2010-2014 Graduate Teaching Associate and Research Assistant

Fellowships

2017-present Fellow, Hunt Institute for Engineering and Humanity, Southern Methodist University

2015-2017 American Association for the Advancement of Science (AAAS) Science and Technology Policy Fellowship.

Competitive External Fellowship Nominations

2018 Nominated by the Dean of Dedman College for the Harvard JPB Environmental Health Fellows Program (not awarded)

Faculty Awards and Honors

2018 James E. Brooks Faculty Award, Southern Methodist University. \$5,000

Competitive External Scholar Award Nominations

2018 Nominated for Anthropology and Environment Society Junior Scholar Prize (not awarded)

Internal Research Awards

2012 Research that matters Scholarship, University of South Florida. \$500.

Internal Teaching Awards

2017 Just in Time Teaching & Technology Grant, SMU CTE. \$1,000.

Travel Awards

2017 American Association of Geographers Enrichment Travel Grant for interdisciplinary scholars to attend 2018 Annual Meetings. \$425 (*declined*)

2013 Student Government Travel Award, SfAA Conference. \$500

2013 American Water Works Association Research Travel Scholarship. Cochabamba, Bolivia. \$1,500.

2012 Student Government Travel Award, AAA Conference. \$500.

2011 Student Government Travel Award, AAA Conference. \$625.

2011 Department of Anthropology Travel Award, AAA Conference. \$100.

Scholarships and Tuition Grants

2011 University of South Florida Graduate School Tuition Grant. \$1,000.

2002-2006 Hubbard Fund Scholarship. \$4,000.

2002-2006 Damen Academic Scholarship. \$60,000.

Funding for Policy and Outreach

2007 City Park Demonstration Grant, New Orleans, Louisiana. \$5,000.

2005 Land's End In-kind Grant. In-kind Total: Winter clothing for more than 70 refugee families in Chicago, Illinois.

PUBLICATIONS**Peer-reviewed Journal Articles**

- In Press* **Maryann R. Cairns**, "What Water are you Drinking? Infrastructure, Perception, and the "Raw Water" Trend. *Anthropology Now*.
- 2018 **Maryann R. Cairns**, "Analyzing the concurrent pressures of conservation, sustainability, health impact, and equity in use." *World Development* 110:411-421.
- 2017 **Maryann R. Cairns**, Cassandra Workman, and Indrakshi Tandon. "Gender mainstreaming and water development projects: analyzing unexpected environmental impacts in Bolivia, India, and Lesotho." *Gender, Place & Culture* 24(3):325-342.
- 2017 **Maryann R. Cairns**, Clayton Cox, Jose Zambrana, Joseph Flotemersch, Alexis Lan, Anna Phillips, Gordana Kozhuharova, Mihallaq Qirjo, Marta Szgeti Bonifert, and Lek Kadeli. "Building multi-country collaboration on watershed management:

- Lessons on linking environment and public health from the Western Balkans.” *Reviews on Environmental Health* 24(3): 325-342.
- 2016 Matthew Verbyla, Erin Symonds, Ram Kafle, **Maryann R. Cairns**, Mercedes Iriarte, Alvaro Mercado, Olver Coronado, Mya Breitbart, Carmen Ledo, and James Mihelcic. “Managing microbial risks from indirect wastewater reuse for irrigation in urbanizing watersheds.” *Environmental Science & Technology* 50:6803-6813.
- 2016 Wells, Christian, Rebecca Zarger, Linda Whiteford, James R. Mihelcic, Eric S. Koenig, and **Maryann R. Cairns** “The Impacts of Tourism Development on Perceptions of Wastewater management on the Placencia Peninsula” *Journal of Cleaner Production*, 111(B):430-441.
- 2015 Matthew Verbyla, **Maryann R. Cairns**, Paola A. Gonzalez, Linda M. Whiteford, James R. Mihelcic. “Emerging challenges for pathogen control and resource recovery in natural wastewater treatment systems.” *WIREs Water* 2(6): 701-714.

Book Chapters

- 2016 Whiteford, Linda, **Maryann R. Cairns**, Rebecca Zarger, and Gina Larsen. “Water, Environment, and Health: The Political Ecology of Water.” In Merrill Singer, ed. *A Companion to Environmental Health: Anthropological Perspectives*: Wiley Blackwell.

Manuscripts in Revise and Resubmit/Under Review

- Joseph Flotemersch, Samantha Shattuck, Kelsey Aho, Clayton Cox, and **Maryann R. Cairns**. “Factors influencing public perception and social values associated with aquatic resources.” *Revise and Resubmit* to *Ecology and Society*.

Book Prospectus in Prep

- Maryann R. Cairns**, *Water & Waste: People-first Considerations for Rural Infrastructural Development Projects*. In Prep for Submission to NGOographies series, University of Alabama Press.

Manuscripts in Prep (* Denotes my position as Principal Investigator on the project; this leadership tends to be denoted by authorship at the end, or, near-end if working with a co-PI, of the author order in Interdisciplinary Publications. Student/postdoc and mentee coauthors marked with +)

- Maryann R. Cairns**, “Water and Waste Management Considerations in the Ohrid Lake Region: Pressures and Possibilities.” In Prep for *Reviews on Environmental Health* Special Issue on Western Balkan Environmental Health.
- Orner, Kevin+, Erin Symonds+, James Mihelcic, and **Maryann R. Cairns***, “Wastewater flows and infrastructural possibilities: Modeling Options.” In Prep for *Environmental Science and Technology*.
- Adriana Gonzalez-Fernandez+, Javier Gallard+, Layme Peraud, Megan Brown+, Darner Mora Alvarado, Pablo Rivera Navarro, Andrei Badilla Aguilar, Erin M. Symonds+, **Maryann R. Cairns***, and Valerie J. Harwood. “Seasonality and the influence of

environmental factors, fecal indicator bacteria, molecular markers and the presence of pathogens in coastal waters in Costa Rica.”

Abdiel-Laureano-Rosario, Erin M. Symonds+, Adriana Gonzalez-Fernandez, **Maryann R. Cairns**, Omar Lizano Rodriguez, Darner Mora Alvarado, Pablo Rivera Navarro, Andrei Badilla Aguilar, Digna Rueda-Roa, Dan Otis, Frank E. Muller-Karger. “Oceanographic and satellite-derived environmental factors and their influence on microbial water quality in Costa Rica.

Maryann R. Cairns, Erin Symonds, Matthew Verbyla, Ram Kafle, Mercedes Iriarte, Carmen Ledo, and James Mihelcic. “Wastewater Reuse for Agriculture, Environmental Change, and Human Health Risk in Cochabamba Valley, Bolivia.” *In preparation for Environmental Health Perspectives.*

Maryann R. Cairns, Laurel Schaidler, Kathryn Rodgers, and Sia Karplus. “Analyzing Perceptions of Alternative nutrient management solutions and eco-toilets in Falmouth, MA.” *In Preparation for Journal of Environmental Policy and Planning.*

Book Reviews

2013 **Maryann R. Cairns**. Review of Remapping Bolivia: Resources, Territory, and Indigeneity in a Plurinational State, Nicole Fabricant and Bret Gustafson (Eds.) School for Advanced Research Press Santa Fe, NM, 2011. *Journal of Ecological Anthropology* 16(1):110-112.

Dissertation

2014 **Maryann R. Cairns**, “Environment, Rights, and Waste in Bolivia: Addressing Water and Sanitation Processes for Improved Infrastructure.” *Committee:* Elizabeth Bird, chair (USF Anthropology), Linda Whiteford (USF Anthropology), Rebecca Zarger (USF Anthropology), James Mihelcic (USF Environmental Engineering), Michelle Hughes-Miller (USF Women’s Studies).

Technical Publications and Reports

2013 Ronan, Larry, Sowmya Rao, Karen Kuhlthau, Neil Hendrick, and **Maryann R. Cairns**. “Rapid Health Facility Capacity and Utilization Assessment” Prepared for the Jordanian Ministry of Health in Collaboration with World Health Organization and Harvard Humanitarian Initiative, focused on Syrian refugee integration into Jordanian Health System.

2013 **Maryann R. Cairns**, Loic Laureau, Jacob McGuire, Melissa Mora, Electra Sagrario, Ryan Schweitzer, Susana Struve, Guillaume Tamagnan, and Matthew Verbyla. “Evaluación de la Capacidad Institucional para Alcanzar la Cobertura Total y la Sostenibilidad por Siempre en Bolivia: ¿Cobertura Total por Siempre? o ¿Por Siempre, Cobertura Total?” World Water Corps Evaluation.

2012 Ann Marie Winter, **Maryann R. Cairns**, Micah Boyer. “Hebrew Immigrant Aid Society Continuum of Care Pilot Project for Darfuri Refugees: Evaluation of the Effectiveness of HIAS’ Intervention.” HIAS Evaluation.

2009 **Maryann R. Cairns** Supporting the Successful Integration of Burundian Refugees. U.S. Committee for Refugees and Immigrants. Heartland Alliance Evaluation.

Public and Engaged Scholarship (*Invited)

- 2014 Verbyla, Matt, and **Maryann Cairns**. Case Study: Reducing Risk from De Facto Wastewater Reuse in Bolivia. Includes Video: “QMRA for Lettuce Irrigation in Bolivia.” usf-reclaim.org.
- *2013 **Maryann R. Cairns**. “KoBo—Mobile Data Collection in the Field.” Anthro hacker.com. Addresses mobile data collection for anthropologists, with field-based critique and analysis.
- *2011 **Maryann Cairns**. “Experiences with KoBo and ODK in Bolivia.” Opendatakit.org. Addresses the functionality of ODK and KoBo software in field-based pilot research.

PRESENTATIONS AND ORGANIZED SESSIONS***Symposia and Conferences Organized***

1. **Maryann R. Cairns** and Erin Symonds, Co-Organizers. MERA Symposium and Training, National Water Lab, (July 2018) San Jose, Costa Rica.
2. **Maryann R. Cairns**, Co-Organizer [Science & Diplomacy AAAS Affinity Group]. “Water Diplomacy: Can global cooperation safeguard our most fundamental resource?” (May 2017) Symposium, AAAS Washington, D.C.

Organized and Chaired Sessions

1. **Maryann R. Cairns** and Nicholas Kawa (Nov 2017). Co-organizers. “Excrement, Sanitation, and the looming ecological crisis.” Panel at the American Anthropological Association Annual Meeting November 2017.
2. **Maryann R. Cairns** and Keeley Maxwell (Nov 2017). Co-chairs. “Inter-agency Experiences: Why Environmental Anthropology Matters to Federal Agencies. American Anthropological Association Annual Meeting November 2017.
3. Rebecca Zarger and **Maryann R. Cairns**. (Nov 2016) Co-organizers. “Just Water by Design: Collaborations between Anthropologists, Engineers, and Communities.” Roundtable at American Anthropological Association Annual Meeting November 2016.
4. **Maryann R. Cairns** and Cassandra Workman. (Nov 2015) Co-organizers and chairs. “Crystal Clear: Advancing Water Research on Human and Environmental Health through Innovative Methods, Analysis, and Data Visualization Techniques.” American Anthropological Association Annual Meeting November 2015, Denver, Colorado.
5. **Maryann R. Cairns**, Chair Of PROTECT Session. (May 2015) Social Science Environmental Health Interdisciplinary Collaborations Conference, Northeastern University, Boston, MA.
6. Zhang, Amy and **Maryann R. Cairns**. (Nov 2014) Co-organizers and chairs. “Waste, Materiality, and Ecological Imaginations: Addressing Social and Environmental Processes in Burgeoning Wastescapes. American Anthropological Association Annual Meeting November 2014, Washington, DC.
7. **Maryann R. Cairns**. (March 2012) Session Organizer and Chair. “Applied Human Rights: Theory, Methods, and Approaches for Disciplinary Collaboration.” Session Organizer for Panel Discussion, Society for Applied Anthropology Annual Meeting, Albuquerque, NM.

Oral Presentations (First Author is Presenting Author Unless Marked with **), Student Coauthors marked with +

1. **Maryann R. Cairns** and Daniel Hicks, "Creating International Scholar Collaborations Using Bibliometrics." In *Remotely Sensing: Distance, Intimacy, and Digital Connectivity in Environmental Anthropology Fieldwork*. (November 2018) American Anthropological Association Annual Conference, San Jose, CA.
2. **Maryann R. Cairns**, "Medio ambiente, infraestructura y salud: Estrategias interdisciplinarias para espacios contaminados." (July 2018) MERA Symposium, National Water Lab, San Jose, Costa Rica.
3. J. Gallard-Gongora^{**+}, A. Gonzalez-Fernandez⁺, D. Mora-Alvarado, P. Rivera-Navarro, J. Lukasik, B. Mull, J. Peraud, E.M. Symonds⁺, G. Ulmer⁺, M. Brown⁺, M. Breitbart, **Maryann R. Cairns** [PI], and V.J. Harwood. 2018. "Fecal Indicator and Pathogen Analysis to Inform an Interdisciplinary Study of Water Quality and Human Health Risk in Costa Rica." (March 2018) Water Microbiology Conference. Chapel Hill, North Carolina, USA.
4. **Maryann R. Cairns**. "Wastewater: Interrogating Infrastructures, Rethinking Reuse." (November 2017) AAA Annual Meeting, Washington, D.C.
5. **Maryann R. Cairns**. "Risk in Context: Connecting Culture, Waste, and Wellbeing." (February 2017) AAAS Annual Meeting, Boston, MA.
6. **Maryann R. Cairns**^{**} and Daniel Hicks^{**}. "Widening the Net: Using Bibliometrics to Promote Collaboration on Water." (July 2016). AAAS Year-end Summit. Washington, DC.
7. Clayton Cox, **Maryann R. Cairns**, Joseph Flotemersch, Alex Lan, Anna Phillips, Jose Zambrana, Greta Kozhuharova, Miha Qirjo, Marta Szigeti Bonifert, Lek Kadeli. (April 2016) "CRESSIDA: Community focused trans-boundary cooperation in the Western Balkans." Water, Growth and Stability. Transboundary Water Cooperation for Sustainable Growth and Stability in MENA. Szentendre, Hungary.
8. ****Maryann R. Cairns**, Clayton Cox, Joseph Flotemersch, Alexis Lan, ****Jose Zambrana**, Greta Kozhuharova, Miha Quirjo, Marta Szigeti Bonifert, and Lek Kadeli. (April 2016). "Building multi-country collaboration on watershed management: Lessons from the Western Balkans." Central and Eastern European conference on Health and the Environment, Prague, Czech Republic.
9. **Maryann R. Cairns**, Clayton Cox, Joe Flotemersch, Alexis Lan, Anna Phillips, Jose Zambrana, Gordana Kozhuharova, Mihallaq Qirjo, Elaine Wright, Marta Szigeti Bonifert, and Lek Kadeli. (March 2016). "Building Water Resilience in the Western Balkans through Multi-country Collaboration. Society for Applied Anthropology Annual Meetings, Vancouver, Canada.
10. **Maryann R. Cairns**, Matthew Verbyla, Erin Symonds, Ram Kafle, Mercedes Iriarte, Mya Britebart, Carmen Ledo, and James Mihelcic. (Nov 2015) "Using Quantitative Microbial Risk Assessment and Ethnographic Methods to Understand Socio-Environmental Risk from De Facto Wastewater Reuse for Irrigation." American Anthropological Association Annual Meeting, Denver, Colorado.
11. **Maryann R. Cairns**. (March 2015) "Want Not, Waste Not?: Analyzing Alternative Strategies for Wastewater Management" Society For Applied Anthropology Annual Meeting, Albuquerque, NM.

12. **Maryann R. Cairns.** (Nov 2014) "Wastewater Treatment and Socio-Ecological Change: The Politics of Refuse and Reuse in Bolivia." Paper for American Anthropological Association Conference, Washington, D.C.
13. **Maryann R. Cairns,** Matthew Verbyla, Erin Symonds, and Ram Kafle. (March 2014) Adding Cultural Knowledge to QMRA: "Wastewater Irrigation in Cochabamba Valley, Bolivia." Paper for Society for Applied Anthropology Conference, Albuquerque, New Mexico.
14. **Maryann R. Cairns.** (Nov 2013) WatSan Systems Management: The Politics of Conservation and Use in Potable Water, Sewerage, and Wastewater Treatment Systems in Alto Beni, Bolivia. American Anthropological Association Meeting, Chicago, IL.
15. Wells, Christian, Linda Whiteford, Rebecca Zarger, **Maryann R. Cairns,** Eric Koenig, Zaida Darley, and Jim Mihelcic. (Oct 2013) "Politics, Ecology, and Tourism Collide In Response to Wastewater Management Plans on the Placencia Peninsula, Belize." Poster for USF Oktoberfest Research Consortium/Conference, October 25, 2013.
16. Wells, Christian, Linda Whiteford, Rebecca Zarger, **Maryann R. Cairns,** and Eric Koenig. (June 2013) "The Impacts of Tourism Development on Perceptions and Practices of Wastewater Management on the Placencia Peninsula" Belize Archaeology and Anthropology Symposium (BAAS), Abergis Caye, Belize.
17. **Maryann R. Cairns.** (March 2013) Social Dimensions of Metered Water: The Politics of Conservation and Use in Rural Bolivia. Society for Applied Anthropology Annual Meeting, Denver, Colorado.
18. **Maryann R. Cairns.** (Nov 2012) "Water and Sanitation in Rural Bolivia: The Politics of Upkeep and Equal Governance for Development Projects." American Anthropological Association Conference, San Francisco, California.
19. **Maryann R. Cairns.** (March 2012) "Anthropology and Engagement in Human Rights Advocacy and Activism: A Way Forward." Society for Applied Anthropology Annual Meeting, Baltimore, Maryland.
20. **Maryann R. Cairns** and Paola Gonzalez. (March 2012) "The Mentored Undergraduate Field Research Experience: Lessons from Bolivia." Cultural Exchanges with Students Abroad Society for Applied Anthropology Annual Meeting, Baltimore, Maryland.
21. **Maryann R. Cairns.** (Nov 2011) "Community Perceptions and Community Impact: An Assessment of Water Systems in Rural Bolivia." Latin American Tides of Tourism, Development, and Community. American Anthropological Association Annual Meeting 2011, Quebec, Canada.

Invited Talks and Lectures

1. **Maryann R. Cairns,** Invited Panelist, "Making the Leap from Interdisciplinary to Transdisciplinary Socio-Environmental Health Research: Global Perspectives from an Anthropologist." (January 2019) International Society for Children's Health and the Environment Meeting, Merida, Mexico.
2. **Maryann R. Cairns,** Invited Workshop Participant, *Anthropology & Engineering Workshop* (August 2017) Durham University, UK.
3. Clayton Cox** and **Maryann R. Cairns**.** Invited Speakers (March 2017), US Army Corps of Engineers Institute for Water Resources. "Transboundary Watershed Management in

- the Western Balkans: Community Approaches for Building Resilience.” Alexandria, Virginia.
4. **Maryann R. Cairns.** Invited Speaker (*February 2017*), Northeastern University SSEHRI Training Program. “Science Communication for Social Scientists: Leveraging Skills in Non-academic Environments.” Boston, MA.
 5. **Maryann R. Cairns.** Invited Panelist (*February 2017*), Smithsonian National Museum of Natural History Panel on Planetary Health and Natural History: Pollution. Washington, DC.
 6. **Maryann R. Cairns.** Invited Speaker, (*March 2016*) “Introducing Participatory Mapping.” Social Science Speed Methods, AAAS Headquarters, Washington, DC.
 7. **Maryann R. Cairns** (*November 2016*) “Water, Waste, and Wellbeing: Environmental Anthropology in Multiple Waterscapes.” Guest Lecture for Purdue University’s Anthropology of Water Course.
 8. Jose Zambrana, **Maryann R. Cairns**, C. Cox, J. Flotemersch, A. Lan. (*Nov 2015*) A “Tools” Framework to Support CRESSIDA. Regional Cooperation for Sustainable Development: REC’s strategies and initiatives for South Eastern Europe towards 2020. Szentendre, Hungary.
 9. Flotemersch, J., **Maryann R. Cairns**, C. Cox, A. Lan, J. Zambrana. (*Nov 2015*) Introduction to Proper Functioning Condition (PFC) Assessments for Riparian-Wetland Systems. Regional Cooperation for Sustainable Development: REC’s strategies and initiatives for South Eastern Europe towards 2020. Szentendre, Hungary.
 10. Alexis Lan, **Maryann R. Cairns**, C. Cox, J. Flotemersch, A. Lan, J. Zambrana. (*Nov 2015*) Revisiting Local and Regional Environmental Challenges. Regional Cooperation for Sustainable Development: REC’s strategies and initiatives for South Eastern Europe towards 2020. Szentendre, Hungary.
 11. Clayton Cox, **Maryann R. Cairns**, J. Flotemersch, A. Lan, J. Zambrana. (*Nov 2015*) Introduction to Proper Functioning Condition (PFC) Assessments for Riparian-Wetland Systems. Regional Cooperation for Sustainable Development: REC’s strategies and initiatives for South Eastern Europe towards 2020. Szentendre, Hungary.
 12. **Maryann R. Cairns**, C. Cox, J. Flotemersch, A. Lan, J. Zambrana. (*Nov 2015*) CRESSIDA: Participatory Mapping for Cross-boundary Participation. Regional Cooperation for Sustainable Development: REC’s strategies and initiatives for South Eastern Europe towards 2020. Szentendre, Hungary.
 13. **Maryann R. Cairns**, (*Oct 2014*) Invited Guest Lecturer, Northeastern University Undergraduate Public Health Research Methods Course, “Ethnographic Methods in Practice.”
 14. **Maryann R. Cairns**, (*Nov 2014*) Invited Speaker, Northeastern University GIS Course, “Utilizing low-cost and open-source technologies for Spatial Analysis.”
 15. **Maryann R. Cairns**, Invited Speaker, (*Oct 2014*) Massachusetts Institute of Technology (MIT) *Senseable Cities Lab*, “Infrastructure Design and Human Impact in Rural Bolivia.”
 16. **Maryann R. Cairns**, (*August 2012*) Invited Speaker, University of Colorado Study Abroad, Coroico, Bolivia. “Community Perceptions and Community Impact: The politics of Water and Sanitation in Rural Bolivia.”

Research Technology Trainings

1. Sara Wylie and **Maryann R. Cairns**, organizers, (*June 2015*) Day-long Citizen Science Hackathon: DIY Water Quality Monitoring. Social Science Environmental Health Research Institute, Northeastern University.
2. **Maryann R. Cairns** and Sara Wylie, co-leaders (*June 2015*) Spectrometry How-to. DIY Water Quality Monitoring. Social Science Environmental Health Research Institute, Northeastern University.
3. **Maryann R. Cairns**, (*Nov 2014*) "Utilizing Low-cost and Open-source Technologies for Field Research." Social Science Environmental Health Research Institute, Northeastern University.
4. **Maryann R. Cairns** and Neil Hendrick, (*March 2012*) "KoBo Software for Field Research." University of South Florida Graduate School.

RESEARCH EXPERIENCE**Academic Fieldwork Timeline** (+ denotes that Fieldwork includes training of students/advises)

- 2018-present Ohrid, Macedonia. Ohrid Lake Water & Waste Project. Focus on water quality, environmental/cultural heritage, and pollution flows in Ohrid Lake Region.
- 2017-present +Costa Rica. "MERA Project" (ongoing). Focus on recreational water quality, human health, and political ecology of tourism areas.
- 2015-2017 Hungary, Albania, Bosnia and Herzegovina, Kosovo, Macedonia, Montenegro, Serbia. CRESSIDA (Building Local Community RESilience for Sustainable Development in the Western Balkans) Project, Hosted at EPA Office of Research and Development. Focus on cross-boundary watershed management solutions.
- 2014-2015 Falmouth, Cape Cod. "Alternative Wastewater Solutions Project" In collaboration with Silent Spring Institute (Newton, MA), focused on analyzing environmental contaminants, environmental health and alternative wastewater treatment options in Cape Cod, MA
- 2013 Placencia, Belize. "Context Sensitive Implementation of Synergistic Water-Energy Systems." Focused on addressing community perceptions and experiences related to water and waste.
- 2013 Cochabamba, Bolivia. "The social stratification of health risks associated with wastewater irrigation: A rapid assessment in the Cochabamba Valley of Bolivia." Focused on culturally-relevant risk measurements for human consumption of wastewater irrigated crops.
- 2013 Tiraque and Arani, Bolivia. Water for People volunteer field researcher. Studied coverage and Implementation of WfP Programs. Provided critical review of monitoring and evaluation techniques.
- 2012 Sapecho and La Paz, Bolivia. "Environment, Rights, and Waste in Bolivia: Addressing Water and Sanitation Processes for Improved Infrastructure." Dissertation Research.
- 2011 Sapecho and San Antonio, Bolivia. "Community Managed Rural Water Systems in Bolivia and Anthropological Methods: Finding a Gateway to Sustainability." Research served as a pilot for dissertation work.

Affiliated and Contracted Research

- 2013 Analyst and Research Report Author for iAPS “Rapid Health Facility Capacity and Utilization Assessment” Prepared for the Jordanian Ministry of Health in Collaboration with World Health Organization and Harvard Humanitarian Initiative (with Dr. Larry Ronan).
- 2013 Research Assistant (short-term Volunteer) Migrant Labor Study during Post-Sandy Reconstruction, Harvard Humanitarian Initiative in Collaboration with New York University Law School.
- 2011-2012 Contracted Researcher for Jewish Community and Family Services, Clearwater, Florida. Darfuri Refugee Study, in collaboration with HIAS New York and JCJFS Kenya.

TEACHING EXPERIENCE (including aggregate evaluation scores)***At SMU***

- 2019 ANTH 3345 **Introduction to Ethnographic Methods**, 3 Cr Upper Level Undergraduate course, Spring 2018
- 2018 ANTH 2301 **Intro to Cultural Anthropology**, 3 Cr Introductory Undergraduate Course, Fall 2018
- ANTH 6316 **Advanced Seminar in Ethnology: Advanced Research Methods**, 3 Cr Upper Level Graduate Course, Fall 2018
- ANTH 7351 **Research Strategies: Ethnology**, Graduate Independent Study, 3 Cr Graduate Course, Fall 2018
- ANTH 3319, **Humanity & Global Environmental Change** (note course update/name change), 3 Cr Upper Level Undergraduate Course. 3.8/4 (Spring 2018)
- ANTH 6332/4332, **Toxic Topics: Anthropology, Environment, and Health**, 3 Cr split graduate course/undergraduate capstone
- 2017 ANTH 3319, **Human Ecology**, 3 Cr Upper Level Undergraduate Course. 3.7/4 (Fall 2017).

Previous Courses

- 2013, 2014 Instructor of Record, **Exploring Cross-cultural Diversity**, 3 Cr. Upper Level Undergraduate Course, University of South Florida. 4.7/5 (Spring 2013), 4.7/5 (Spring 2014).
- 2013 Instructor of Record, **Methods in Cultural Research**, 3 Cr. Upper Level Undergraduate Course, University of South Florida. 5.0/5 (Summer 2013)
- 2012 Instructor of Record, **Cultural Anthropology**, 3 Cr. Undergraduate Course, University of South Florida. 4.5/5 (Fall 2012)
- 2011, 2012 Instructor of Record, **Introduction to Anthropology** (ANT 2000) 3 Cr. Undergraduate Course, University of South Florida. 4.6/5 (Fall 2011), 4.7/5 (Spring 2012)
- 2011 Teaching Assistant, **Introduction to Anthropology Lab**, 1 Cr. Breakout Lab, University of South Florida. 4.6/5 (Spring 2011)
- 2010 Teaching Assistant, **Methods in Cultural Research**, 3 Cr. Upper Level Undergraduate Course, University of South Florida. *Not Reviewed*

MENTORING EXPERIENCE

Postdoctoral Scholars—advisor (**denotes salary funding from my external research award)

**Gordon Ulmer, Southern Methodist University, 2017-present

Graduate Students—advisor (** denotes tuition, fees, and stipend paid from my external research award)

**Megan Brown, Southern Methodist University, PhD Medical Anthropology, 2016-present

Graduate students—committee member

Megan Latoya, Southern Methodist University, PhD Medical Anthropology, 2017-present

Sara Mosher, Southern Methodist University, PhD Cultural Anthropology, 2017-present

Erin Pischke, Michigan Tech, PhD Environmental and Energy Policy 2015-2017 (PhD Awarded)

Undergraduate Hamilton Scholars—advisor

Katherine E. Tinch, Hamilton Scholar, Southern Methodist University, BA Anthropology

Undergraduate Honors Theses—advisor

Katherine E. Tinch, Southern Methodist University, BA Anthropology

Undergraduate honors theses—committee member

2015, Mala Kumar, University of South Florida, BA Anthropology

Undergraduate Cairns Lab SMU URAs—advisor

Katherine Linares, Cairns Lab URA Spring 2017, SMU BA Environmental Studies

Aaron D'Eramo, Cairns Lab URA Fall 2018, SMU BS Anthropology BA Dance

Student Mentorship/Field Research Supervisory Experience (By myself as a Postdoc[#] or Ph.D. Student[^])

Danielle Falzon[#], Northeastern University, PhD Sociology

Jamie San Andres[#], Northeastern University, MA Sociology

James Arango[^], University of South Florida, MA Applied Anthropology

Paola Gonzalez[^], University of South Florida, BA Applied Anthropology

Pablo Cezar Martinez Castro[^], Universidad Tecnológica Boliviana, BA Engineering

Freddy Jamie Chalco Quisepe[^], Universidad Tecnológica Boliviana, BA Engineering

Ross Eva Gabriela Gonzalez Khuno[^], Universidad Tecnológica Boliviana, BA Engineering

Carla Andrea Quezada Mercado[^], Universidad Tecnológica Boliviana, BA Engineering

Luz Claribel Copeticona Vargas[^], Universidad Tecnológica Boliviana, BA Engineering

Juan Fernando Averanga Gonzales[^], Universidad Tecnológica Boliviana, BA Engineering

Alison Morales[^], Universidad Tecnológica Boliviana, BA Engineering

Fernando Averanga[^], Universidad Tecnológica Boliviana, BA Engineering

Carmin Llanque[^], Universidad Tecnológica Boliviana, BA Engineering

Jose Guzman[^], Universidad Tecnológica Boliviana, BA Engineering

Luiz Alfredo Cortez[^], Universidad Tecnológica Boliviana, BA Engineering

Other Formal Mentoring

Adam Liebman, Rappaport Prize Panelist [through A&E Board Program for mentoring up and coming Environmental Anthropology Students on the Rappaport Prize Panel]

EVIDENCE OF EXCELLENCE IN TEACHING AND MENTORSHIP

- 2018 My PhD Student, Megan Brown, was named a Fulbright Semi-Finalist in Jan 2018.
- 2018 Undergraduate Katie Tinch, a student in my ANTH 3319 course, was awarded a Hamilton Scholarship for research in my lab.
- 2017 Awarded CTE Just in Time Teaching & Technology Grant to support my ANTH 3319 course (\$1000 to support citizen science/critical making program).
- 2017 Attended CTE Teaching Effectiveness Symposium, Southern Methodist University.
- 2015 Attended Mentoring Workshop by Beronda Montgomery, American Association for the Advancement of Science, Washington, DC.
- 2013 My course on Methods in Cultural Research at University of South Florida received a perfect rating from students (5.0/5.0).
- 2011-2013 My teaching for all courses as Instructor of Record and TA at University of South Florida (7 total) were consistently reviewed as excellent (defined as ratings of over 4.5/5.0). My aggregate ratings for all courses taught during this time period were above both the University and the department averages.
- 2014 Paola Gonzalez, for whom I was a field research mentor, won a Fulbright Award for independent research on wastewater treatment in Brasilia, Brazil.
- 2010 Attended Center for 21st Teaching Excellence Teaching Assistant Workshop.

PROFESSIONAL SERVICE (*‡ denotes elected position*)***Service to Discipline***

- 2018 **Manuscript Reviewer**, Human Organization
- 2015-2017 **‡ Junior Board Member**, AAA Environmental Anthropology Section
- 2017 **Review Panelist**, National Academies of Science, Engineering, and Medicine
- 2017 **Manuscript Reviewer**, Gender Place and Culture
- 2015-2017 **Working Group Member**, EPA Social Science Group
- 2015-2017 **Affinity Group Member**, AAAS STPF Social Science
- 2016 **External Manuscript Reviewer**, EPA Office of Research and Development
- 2016 **Project Judge**, NSF High School Science Competition
- 2016 **Judge**, Rappaport Prize Panel, Anthropology and Environment Society, AAA Meetings 2016.
- 2016 **Poster Judge**, AAAS Annual Meeting, Environment and Ecology Section
- 2015 **Contributor**, Rural Water Supply Network e-discussion on Right to Water and Sanitation
- 2015 **Symposia Proposal Consultant**, AAAS (3)
- 2013 **Student Search Committee Member**, University of South Florida Department of Anthropology Cultural Anthropology Tenure-track Line.

Departmental Service

- 2018 Panelist for SMU Anthropology Department PhD Student Training Brownbag,
Topic: Applied Anthropology
- 2018 Fry Undergraduate Award Committee
- 2017 Environmental Anthropology Minor Committee Member
- 2017 Globalization Minor Committee Member

PROFESSIONAL ASSOCIATIONS

- International Society for Children's Health and the Environment, member since 2018
- American Association for the Advancement of Science, member since 2014
- Society for Medical Anthropology, Member since 2014
- Anthropology and Environment Society, Member since 2012
- Society for Applied Anthropology, member since 2010
- American Anthropological Association, member since 2010
- American Water Works Association, member 2013-2015

COMMUNITY OUTREACH

- 2011 Volunteer Consultant, Hillsborough County Sheriff's
Office/Hillsborough County Medical Examiner, Tampa Florida. Tampa Bay Cold
Case Project.
- 2010 Volunteer Consultant, Ybor City Museum Society, Tampa, Florida.
Online Museum Exhibit.
- 2010 Volunteer Consultant, Tampa Lutheran Services Refugee Program, Tampa,
Florida.
- 2009 Volunteer, Heartland Alliance Youth Services, Chicago, Illinois.

PROFESSIONAL TRAINING AND ABILITIES***Research and Analysis Training***

- 2016 National Socio-Environmental Synthesis Center (SESYNC) R Course, Annapolis, MD
- 2016 Cultural Domain Analysis Short Course on Research Methods, QualQuant, NSF Funded,
Jacksonville, FL
- 2015 GIS Course, Northeastern University, Boston
- 2014 Social Network Analysis Workshop, NSF Funded, AAA Annual Meeting
- 2014 Cultural Consensus Analysis Workshop, NSF Funded, AAA Annual Meeting
- 2013 Text Analysis Workshop, NSF Funded, SfAA Annual Meeting
- 2012 Spanish Language Training/Immersion, LaPaz, Bolivia
- 2011 Spanish Language Training/Immersion, LaPaz, Bolivia

Science Communication Training

- 2016 Science Communication Training, "Media Skills for a Lifetime," Union of Concerned
Scientists, Washington, DC.
- 2016 Workshop on Personal Presentation, Mary Crane, AAAS, Washington, DC.
- 2016 Training in "Communicating with Non-scientists: A Look at Audiences &
Stakeholders" AAAS, Washington, DC.
- 2015 Negotiating Workshop, Candace Bertoti, AAAS, Washington, DC.

- 2015 Fundamentals of Science Communications Workshop, FrameWorks Institute, Washington, DC.
- 2015 Training on Congressional and Executive Branch Operations, Government Affairs Institute (GAI), Washington, DC.

Language Abilities

Proficient in Spanish