

A MESSAGE FROM THE SGD DIRECTOR: LYNN STAEHELI

Hello again from the School of Geography and Development at the University of Arizona. We are enjoying some cooler fall weather after a long hot summer and have welcomed new faculty and students to the school. This newsletter carries news about some of our new faculty, some exciting grants and projects, jobs obtained by our graduates, our study abroad programs, and introduces you to our wonderful staff in the SGD office. Please forward this newsletter or the link to it on our web page to folks who might not be on our mailing list yet, and come say hello if you are an alum visiting Tucson. You are all welcome to attend our weekly colloquium. Enjoy the newsletter, and please keep in touch!



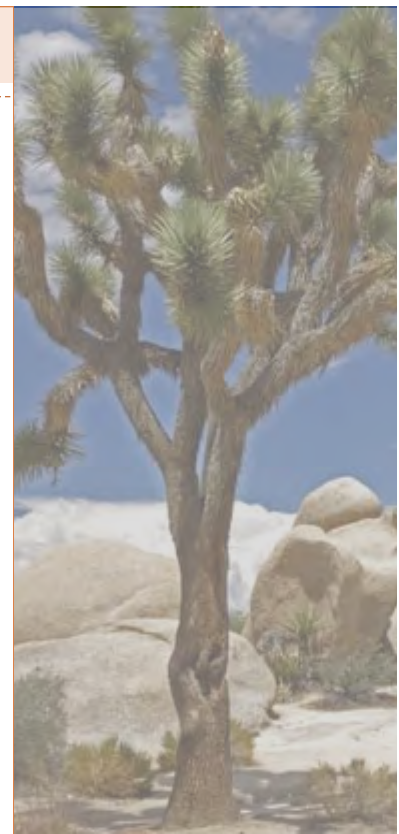
Lynn

COLLABORATIVE PROJECT BETWEEN SGD COMMUNITY AND SCHOOL GARDEN PROGRAM AND FLOWERS & BULLETS COLLECTIVE WINS \$600,000 GRANT!

Read more about their project, entitled La Siembra: Sowing a New Model of Community Engagement through Urban Agriculture on page 3!



From left: Tito Romero (of Flowers and Bullets Collective, or FB); Jacob Robles (FB); Moses Thompson (Tucson Unified School District); Silvia Isabel Valdillez (FB), Heather Gray (FB) and Sallie Marston (UA). (Photo: Matt Doolen)



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- **SGD Graduates get exciting academic and non-academic jobs (p. 6)**
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We want to hear from you SGD Alumni!

The School of Geography and Development is revitalizing its connections to alumni and friends so please send us your news and contact information! [You can leave SGD a message and update here](#) or email our front office by contacting amandab@email.arizona.edu.

SGD's newest professor: Tom Evans, expert on socio-ecological systems and envi-



As a human-environment geographer, Tom's work focuses primarily on agricultural decision-making, food security and environmental governance, and has had past projects related to deforestation/ reforestation, urban ecosystems, community resilience. His work generally involves some aspect of household-level analysis coupled with environmental data and methodologically involve use of spatial analysis, GIS, remote sensing and simulation modeling.

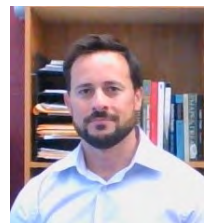
His current research includes a collaborative 5-year NSF-funded project 'Climate Adaptation and Agricultural Decision Making,' which is being undertaken in Kenya and Zambia. The project uses

high-frequency data from environmental sensors and farmers to understand how farmers respond to different types of environmental shocks (especially drought) and how those shocks shape their perceptions of climate variability. Environmental data is coupled with weekly data collected from more than 1200 farmers via SMS cell phone texts. As a supplemental grant to this NSF work, Tom and his colleagues are looking at how the food, energy, and water nexus differentially impacts communities and regions in Zambia and Kenya. They are using remote sensing data on forest cover and combining it with household level data on fuelwood use. Tom's collaborators for these projects include Kelly Caylor (University of California at Santa Barbara), Lyndon Estes (Clark University), Kurt Waldman (Indiana University) and Shahzeen Attari (Indiana University)

Fernando Sanchez joins SGD as Assistant Professor of Practice and MS-GIST

Fernando, a quantitative researcher and educator with research experience in both STEM and the social sciences, says that his career has centered on data analytics in the three diverse fields of palaeoecology, anthropology, and environmental management. He also has technical expertise in geospatial analysis and technologies, and practical scholarship in rural recovery and revitalization. Throughout Fernando's scientific career he has served on interdisciplinary teams of Europe, North America and Asia with holistic perspectives on the interrelations between the natural sciences, the social sciences, and the information

sciences. He says that these experience enables him to truly incorporate systems thinking into his scientific and teaching work. This approach to science, coupled with his first-hand exposure to cross-cultural classrooms influences his teaching style. Therefore, in addition to knowledge transfer, he aims to encourage critical thinking and inspire new perspectives in students.



Ben Champion brings wealth of sustainability knowledge in his new role at SGD

Ben joined SGD in July 2018 for a two-year position in both teaching and service. He is committed to both teaching and working to further develop the department's communities of learning among faculty and students regarding forms of active learning, innovative pedagogy, and community engagement that support environmental and social justice outcomes in society. Coming from ten years as the director of sustainability for UA and Kansas State University,



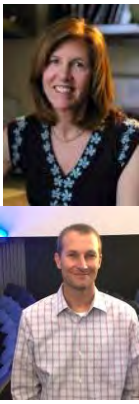
Ben brings an environmental practitioner's gaze to his work within SGD. He has worked extensively with students, faculty, and staff across UA to implement key initiatives in reducing campus waste, while working to build internal commitments to larger institutional efforts such as large-scale renewable energy power purchases and integrated transportation planning between campus and community. He looks forward to leveraging his experience and relationships across the university and in the community to build on SGD's strong track record of environmentally- and socially- engaged learning and research.

SGD PROFESSOR EMERITUS JANICE MONK NAMED ONE OF AAG'S INAUGURAL CLASS OF FELLOWS

The [AAG Fellows](#) is a new program to recognize geographers who have made significant contributions to advancing geography.

In addition to honoring geographers, AAG Fellows will serve the AAG as an august body to address key AAG initiatives including creating and contributing to AAG initiatives; advising on AAG strategic directions and grand challenges; and mentoring early and mid-career faculty. Similarly to other scientific organizations, the honorary title of AAG Fellow is conferred for life. Once designated, AAG Fellows remain part of this ever-growing advisory body. The [AAG Honors Committee](#) has recommended these 20 Fellows to serve as the inaugural class. Read more about Jan and the other fellows [here](#).





Community School and Garden Project begin new 3-year collaborative project with Flower and Bullets Collective (from front page)

A team from UA's [Community and School Garden Program](#) by SGD Professor Sallie Marston and the [Flowers and Bullets Collective](#) (a group of organizers creating outlets for underserved youth and communities) were honored to receive a Challenge Grant from the [Agnes N. Haury Program in Environment and Social Justice](#) in April 2018. The project, "La Siembra: Sowing a New Model of Community Engagement Through Urban Agriculture," will focus on habitat restoration and cultural heritage projects in Barrio Centro, an underserved Tucson neighborhood. The goal of the project is also to help strengthen the capabilities and self-sufficiency of a growing number of young leaders and community members in the neighborhood.

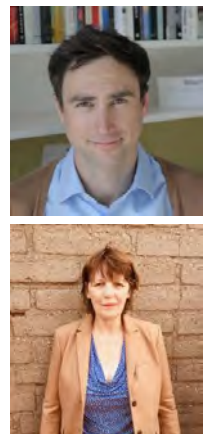
The three-year project centers community voices in the planning, development, implementation and evaluation of an urban farm on the vacant site of

the former Julia Keen Elementary School. "La Siembra" proposes a model of community engagement in which all participants bring different abilities to the table to create an authentic and sustained partnership, team members said.

"The urban farm will not only make food affordable, but it can also transform the dynamic of our communities by creating opportunities, jobs and skills not just for those folks who are coming out of prison or dealing with abuse, but for people before they are getting into trouble, and that's community safety and wellness," said Tito Romero (pictured, page 1), outreach coordinator for the Flowers and Bullets Collective. "This could be an example of what you can do in other communities." The project will be managed by Sallie Marston (pictured, upper left) and CSGP coordinator Moses Thompson (pictured, lower left). After the project's 3-year duration Romero and the rest of the Flower & Bullet Collective will take over management of the farm.

SGD faculty Mark Kear and Margaret Wilder begin new project on sustainable manufactured housing

Funded by an Agnes N. Haury seed grant, Mark and Margaret (pictured left) are collaborating with Habitat for Humanity-Tucson and the City of Tucson Ward 3 council office to investigate and find solutions for manufactured housing (MH) communities in Tucson. The project, 'A New Habitat for Manufactured Housing in Tucson' aims to transform Tucson's most socially and environmentally vulnerable MH communities into healthy, sustainable, and just places to live. In order to do this the project will first use workshops, focus groups, and interviews to deepen our understanding of the intersections between social (e.g. eviction) and environmental vulnerability (e.g. energy poverty). With this information in hand, the project will then develop maps and indices to identify Tucson's most vulnerable MH communities, and recommend policies that will serve to enhance MH quality of life and resilience. Finally, the project will refurbish and build homes for a candidate MH community. According to Mark and Margaret the collaborative nature of this project is what makes it so exciting. Mark says "residents are the experts. These are communities that know how to take care of themselves and know what they need to do so better. By working with communities we can develop better measures to identify places in need, and where and how we can help them." Both Habitat for Humanity collaborator, Ann Vargas, and Ward 3 collaborator, Sarah Launius are also SGD alumni!



Associate Professor Jeff Banister addresses water control & provision in Mexico in exciting interdisciplinary work



Jeff, who also is also Associate Editor and Research Social Scientist in the Southwest Center, has an ongoing collaborative project with UA professor of art

history, Dr. Stacie Widdifield. This project, funded by the American Council of Learned Societies, explores the visual culture of water control and provision in Mexico City (built over ancient lake beds) from the early to middle twentieth century. Among other questions, Stacie and Jeff are asking how we can account for official efforts to aestheticize and monumentalize water systems at various points in the Basin of Mexico landscape. In what ways have the specific and widespread visual languages of waterworks been related to the assertion of federal control over resources, people, and places both inside and outside the basin? The research incorporates diverse materials, ranging from archival documents to drone images the researchers have taken of the contemporary urban landscape. Stacie and Jeff have recently extended their research to new project on the Colorado River – An Iron Cultural Heritage of Salinity in the Mexicali Valley, Baja California – in collaboration with water policy analyst, Dr. Amy McCoy (AMP Insights). Jeff is also part of a university-wide interdisciplinary research group working on shared cultural heritage between Mexico and the US, funded by the UA Confluentcenter, and part of the College of SBS's Mexico Initiatives office.

According to Jeff, this kind of work is critical because the most pressing environmental issues of our day, from climate

change to water scarcity and unequal access, are not by any means fully visible through the lens of any single discipline. He says "modern scholarship has tended to separate science and policy from the arts and humanities, approaching the aesthetic representation of water and society, for example, as ancillary to what is so often deemed to be the more important business of resource control and governance" Jeff approaches his work with Dr. Widdifield, and, now, Dr. McCoy, as a way to address the kinds of problems that arise when knowledge becomes so taxonomized that we fail to see the urgency of the need for creative synthesis to begin addressing them.



Photo: The Cárcamo de Dolores, a modern water 'temple' in Mexico City's Chapultepec Park, featuring a mosaic sculpture (visible in front of building) and interior water-tank mural by Diego Rivera. The Cárcamo marks the place where water comes into the Mexican capital from the Alto Lerma river basin. (Photo by JM Banister)

SGD PROF, KEVIN ANCHUKAITIS WINS UDALL FACULTY FELLOWSHIP

Having already done extensive fieldwork in Guatemala, Kevin's new project, "Climate, culture, forests, and water: Toward the co-production of environmental knowledge in highland Guatemala" is allowing him the chance to deepen collaborative partnerships to conduct integrated physical and social science research on the connection between climate change, water, and indigenous forest management, specifically in the western highlands of Guatemala.



WHERE ARE OUR BA/BS ALUMNI NOW?

Paige Suvalsky, URD* 2017,
Research Analyst, CBRE– San
Antonio, TX

Sara Mattio, URD 2014, GIS
Analyst, City of Philadelphia

Patrick Brewer, EVS** 2015,
Energy Fellow, City of San Jose

Stephen Ludwig, BS Geography
2013, Senior GIS Technician, City
of Phoenix

Andrew Cunningham, BS Geogra-
phy 2017, Geological/
Environmental Consultant, Min-
ing Company

Jessica McGarey, EVS 2015,
Wildlife Intern and Science Com-
municator, Sonoran Desert Net-
work Desert Research Learning
Center

Brianna Zurita, EVS 2016, Project
Coordinator, Center for Climate
Adaptation Science and Solutions

James Cornish, URD 2012, Com-
mercial Office Broker, CBRE Inc,
Phoenix, AZ

Kyle Hartfeild, BA Geography
2008, Assistant Research Scien-
tist, Arizona Remote Sensing
Center

Melanie Summers, BS Geography
2012, Product Engineer, ESRI

Gary Sumner, URD 2009, Plan-
ner and Real Estate Developer,
Houston TX

Kyle Nelson, URD 2016, Trans-
portation Planner, Michigan
Department of Transportation

Gregory Christakos, BS Geogra-
phy 2013, Enterprise Specialist,
ESRI

Thomas Lovelis, BS Geography
2017, GIS Technician, Ter-
raSouthwest Systems

Blake Fisher, URD 2017, City
Planner, City of Sierra Vista

KEY

*URD = BS Urban and Regional
Development

**EVS = BA Environmental
Studies

SGD UNDERGRADUATE PROGRAM

Robert Baker, BS Urban and Regional Development, Class of 2017, Researcher, CBRE, Southwest Research



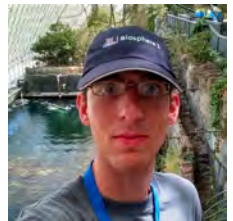
Within several months of graduating from SGD, Rob started a position as a researcher in the fast-paced environment of commercial real estate leader, CBRE. Working as a researcher, he primarily tracks variables such as vacancy, absorption and new development to run quarterly statistics that drive business decisions. He says that it is exciting

to work in commercial real estate, which is at the epicenter of Tucson's quick development as a hub for major employers in the mining industry. He says that over his 18 month tenure at CBRE, he has been able to apply knowledge obtained from SGD classes while also learning an entirely new skillset. He continues, "My education in GIS coupled with my passion for urban development have equipped me well for this career, and I owe it mostly to the staff at SGD!" Rob says that his one big tip for current SGD majors is to network as much as possible!

Derrick Merkel, BS Geography, Class of 2017 (winter), Interpretive Specialist at Biosphere

Taking classes in biogeography with SGD Prof Greg Barron-Gafford, Derrick had early exposure to the Biosphere 2. As an undergraduate he worked on the Agrivoltaics and Landscape Evolution Observatory (LEO) projects being conducted there. About a month after he graduated he started his position in his new role. Derrick conducts multiple types of tours, leading groups of up to 45 people through Biosphere 2. He typically showcases U of A research being conducted

at Biosphere 2 as well as talking about the history of the facility itself and our newest specialty tour where he talks about the ocean biome, which is currently under restoration in preparation for a large scale experiment.



Melanie Jones, BA Environmental Studies, Class of 2015, MESC Yale School of Forestry



As an EVS major Melanie became interested in issues of tourism and conservation in the Caribbean's Small Island Developing States (SIDS), so when she learned about SGD's Cuba program she was determined to participate. She says that the program "opened my eyes to all that Cuba had to offer and provided me irreplaceable on-the-ground experiences." The experience impacted Melanie so much that when she applied to grad schools she was determined to continue researching

tourism-conservation issues in Caribbean SIDS. In 2017 she began a Masters in Environmental Science at the Yale School of Forestry and Environmental Studies, where she has conducted her thesis work in Cuba. Her research investigates the current status and potential future of ecotourism and agritourism on post-crisis Cuba and Puerto Rico based on the perceptions of stakeholders engaged in these industries. Melanie aims for her thesis to help SIDS experiencing economic crisis and/or natural disasters to develop sustainable tourism infrastructure for a more fruitful and resilient future. You can read more about the SGD Cuba Study Abroad Program on page 6.

Daniel Blackett, BS Geography, Class of 2018, GIS Analyst, Apple

Daniel, who also worked closely with SGD Prof Greg Barron-Gafford in his agri-photovoltaics lab, has moved onward and forward to sunny Silicon Valley where he accepted a position to work for Apple as a GIS Technician. He says it has been rewarding to work with other Geographers/Environmental Scientists on some really cool projects regarding Apple Maps. At Apple he is involved in the analysis, validation and enhancement of data content and assembly of new content for consumer applications. According to Daniel, the best thing about receiving an education

at SGD was that he never felt alone in my endeavors. He writes, "thanks to my wonderful instructors and mentors at SGD I have been able to apply a wealth of geographic principles to better understand our Earth's natural and human dominated landscapes."



SGD GRADUATE PROGRAM

SGD has so many amazing grad students: here we select just a few so you can learn more about their work!

Christina Greene, PhD Candidate

As a Predoctoral Fellow with the US Department of Agriculture's National Institute of Food and Agriculture, Christina Greene is examining the social and economic impacts of drought on farmworkers and rural communities in California's San Joaquin Valley. Her research analyzes the vulnerability of farmworkers both in the fields and in their communities by identifying the impacts of the 2012-2016 California drought on employment, water

security, food security, and health. This work also demonstrates that the agricultural sector adapted to the drought by increasing groundwater pumping and changing crops, however, these adaptations increased underemployment and water insecurity for many farmworkers and rural communities.



Casey Lynch, PhD Candidate

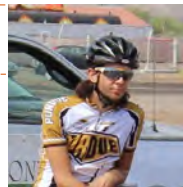
Casey's dissertation is titled "Techno-Social Entanglements and Contested Urban Futures" and examines the production of urban space, new subjectivities, and alternative economies in a grassroots "technological sovereignty" movement in Barcelona. He uses ethnographic observation to understand how an informal, decentralized network of technology coopera-

tives, community organizations, and activists contest the dominant capitalist model of urban technological development and work to build their own technological infrastructure, and thus a more ethical and deliberate relationship to technology, the city, and each other. The project has received funding from the Social Science Research Council, the Wenner-Gren Foundation, and a Fulbright pre-doctoral research grant.

Joseph (Joey) Iuliano, PhD Student

Joey received the National Institute for Transportation and Communities (NITC) scholarship this fall to support his dissertation project, which examines how different bike riders interact with other users (ie: drivers) in the built environment. This involves putting small cameras and GPS on people's bikes, creating a heat map of where they are riding, and flagging areas where they have issues such as being cut off by drivers, hit (hopefully not!), run stop signs/lights, etc. The goal is to work with the city in

designing infrastructure that keeps riders safer and is more responsive to their needs. Joey is also a nationally recognized cyclist. Since 2014 he has been the President of the wildly successful [UA Cycling Team](#), leading them to the title of USA Cycling Club of the year for 4 consecutive years (2014-17). For the 2017-18 season they finished with a ranking of number one in the nation!!



Laura Sharp, PhD Candidate

Laura is a specialist in GIS along with cultural, social, and economic geography. Her dissertation research in Los Angeles, California focuses on understanding the spatial distribution of on-location filming through interviews and GPS-tracked ride-alongs with location scouts, production designers, and homeowners. Laura's findings show that the contemporary location production process is under-

pinned by a mobile and embodied gaze captured in the photographs scouts take of potential film locations and disseminate to decision makers via information communication technologies. Additionally, Laura works for the City of Tucson as a GIS intern and was recently featured on the SBS Homepage for her [Story map](#) of Tucson's rich and varied landscapes of wall murals.



WHERE ARE OUR PHD ALUMNI NOW?

PhD (2017), Jacob Miller, Lecturer, Northumbria University, Newcastle, UK

PhD, (2018) Sarah Kelly, Postdoctoral Researcher, Universidad Católica de Chile

PhD (2017) Lily House-Peters—Assistant Professor, California State University-Long Beach

PhD (2017) Katharine Sammler—Assistant Professor, California State University-Maritime Academy

PhD (2017) Miriam Gay-Antaki, Lecturer, University of Edinburgh, Scotland

PhD (2017) Sonya Ziaja, Climate Policy & Research at California Public Utilities Commission,

PhD (2017) Marissa Isaak, Assistant Professor, Central New Mexico Community College, Albuquerque, NM

PhD (2016) Zachary Sugg, Martin Daniel Gould Center Fellow, Stanford Law School

PhD (2015) Melinda Butterfield, Assistant Professor, Wilamette College

PhD (2015) Melanie M. Colavito, Human Dimensions Specialist with the Ecological Restoration Institute, Northern Arizona University

PhD (2015) Jeremy Slack, Assistant Professor, University of Texas - El Paso

PhD (2014) Manuel Prieto-Montt - Instituto de Investigaciones Arqueológicas y Museo, Chile

PhD (2013) Jamie McEvoy - Assistant Professor, Montana State University

PhD (2013) Jeffrey McGovern - Air Force Historian, Twelfth Air Force (Air Forces Southern)

PhD (2013) Casey Kahn- Thornbrugh - Project Director, Tohono O'odham Community College

PhD (2013) Stephen Delgado - Senior Country Manager, USAID

RECENT GRAD STUDENT AWARDS

Diego Ariel Martinez-Lugo, MA Student, 2018 Maria Teresa Velez Diversity Scholarship, 2018 UA Hispanic Alumni Scholarship

Robert Hibberd, PhD Student, 2018 National Institute for Transportation and Communities Student Scholar Award

Taylor Miller, PhD Student, 2018 Michael Bonine Research Award, MENAS, UA

Megan Mills-Novoa, PhD Candidate, National Socio-Environmental Synthesis Center's Graduate Pursuits Award

RECENT GRAD STUDENT PUBLICATIONS

Borgias, Sophia. (2018) "Subsidizing the State:" The political ecology and legal geography of social movements in Chilean water governance. *Geoforum* 95: 87-101

Miller, Taylor. (2018). Compost Rich of Resistance: Wayfinding in Tel Aviv and Jerusalem. *Journal of Social Theory in Art Education*. 38: 58-64.

Wilson, Jeff (2018). *The Instinct for Cooperation: A Graphic Novel Conversation with Noam Chomsky*. Seven Stories Press

Greene, Christina (2018). Broadening understandings of drought – The climate vulnerability of farmworkers and rural communities in California (USA). *Environmental Science & Policy* 89: 283-291.

SGD PHD STUDENT NOAH SILBER-COATS CO-DEVELOPS AND LEADS CONSERVATION-THEMED STUDY ABROAD

Noah Silber-Coats (SGD Ph.D. Student), along with Ben Wilder (SNRE/Tumamoc Hill), spent the summer leading a field course titled "Conservation Realities in Northern Mexico." The group traveled to the coast of the Gulf of California, visiting Comcaac (Seri) indigenous communities and the island of San Esteban. They then traveled to Alamos, Sonora, where they visited communities involved in ranching-conservation partnerships along a gradient from tropical thornscrub, through the tropical



STUDY ABROAD @ SGD

Contemporary Cuba: Collective Visions

Co-led by SGD Faculty, Dereka Rushbrook since 2013, the Contemporary Cuba program is a SGD student



favorite. During a one-month program to this culturally rich island nation, the student will develop their Spanish

skills while earning upper-division or graduate credits. This interdisciplinary field-based program uses a social justice lens to examine Cuba's recent history and contemporary processes of change and continuity, focusing on environmental, political and socioeconomic transformations. The course includes in-country transportation, meals, housing, site visits and workshops, as well as excursions to beaches and neighboring provinces.



IDEAS in Antigua, Guatemala (summer & semester-long)



The IDEAS study abroad program in Guatemala is a unique experience that combines rigorous academics with for-credit internships around themes such as development and public health, ethnic relations and human rights, and indigenous and environmental politics. It also includes reflection of current events, top-notch language training for UA credit, and encounters with Guatemalan activists, artists, students and scholars. [Learn about the student experience.](#)



Cultures, Land and Politics in Oaxaca, Mexico

This research-based eight week program offers students the opportunity to conduct research in social or environmental science while further offering each student the ability to design and conduct their own research project under the supervision of knowledgeable and experienced local researchers. The preparatory substantive coursework stresses the historical and contemporary dimensions of the relationship between the peoples of Oaxaca, the land and resources and a global political economy.



SGD Graduate Students Get Great Jobs!

ARICA CROOTOF, PHD 2019, ASSISTANT PROFESSOR OF ENVIRONMENTAL SUSTAINABILITY AT THE UNIVERSITY OF WESTERN MONTANA



In Arica's new role she is involved in experiential sustainability curriculum, where her students are working to manage and protect natural resources throughout the Greater Yellowstone and High Divide region. Specifically, her students develop interpersonal skills to effectively work in interdisciplinary teams and with local stakeholders while creating digital tools and storytelling to share their knowledge with diverse audiences.



LAUREL BELLANTE, PHD 2018 FALL, ASSISTANT DIRECTOR OF FOOD STUDIES MAJOR AND ASSISTANT DIRECTOR OF THE CENTER FOR REGIONAL FOOD STUDIES, UNIVERSITY OF ARIZONA.

In her role, Laurel will work across the UA campus and the greater Tucson region to build a new undergraduate degree in food studies and a robust program of food-related events and research. She is graduating from the SGD PhD program in December 2019. According to Laurel the best part of her new position is that she can be a part of efforts to "formalize campus-wide interest in food studies and create concrete ways in which students, researchers, and members of the greater community can learn more about our food systems and connect with opportunities to promote positive change in our lives and communities"

KYLE TITLOW, MA 2018, GEOSPATIAL ANALYST FELLOW, OFFICE OF SPATIAL ANALYSIS AND VISUALIZATION, US BUREAU OF TRANSPORTATION STATISTICS.



In his new role Kyle is taking inventory of the bureau's spatial datasets, focusing on highway congestion, transportation-weather impacts, and inter-modal freight facilities at airports around the US. He is also helping to model inter-modal freight movements, looking at where and how freight is transferred between modes (e.g., ship-to-truck, airplane-to-truck, ship-to-railroad, railroad-to-truck, etc).



SARAH FREDERICK, MA 2018, PHYSICAL SCIENTIST, ENVIRONMENTAL PROTECTION AGENCY, REGION 10, SEATTLE, WA

Sarah recently began in this new role, where she is working in the Office of Air and Waste of the EPA as part of the Tribal Air Team. She is working with tribes and states in the Pacific Northwest on environmental issues, including air quality and climate change.

FOREST CARTER MA 2018, PEACE CORPS RESPONSE SPECIALIST, PUEBLA, MEXICO

Forest was a Future Park Leaders Intern this summer at Navajo National Monument, where he built an Android app that empowers visitors to be citizen scientists by taking and uploading photos of erosion sensitive areas. After that he took a position as Peace Corp Response specialist, where he will build a web platform for a biodiversity project in the state of Puebla. It will allow field technicians to upload the biodiversity data they collect. This data will be stored in a database and displayed on maps that will be used for ecosystem analysis and natural resource decision-making.



CLIMATE CHANGE @ SGD



SGD alum Sonya Ziaja lead author of the Fourth California Climate Assessment, with current grads as contributing authors



SGD was very proud of alum Sonya Ziaja for her Lead authorship of the Fourth California Climate Assessment released in August 2018 and to current grads Surabhi Karambelkar and Christina Greene (pictured left to right) for their work as Contributing authors. California's Fourth Climate Change Assessment provides information to build resilience to climate impacts, including temperature, wildfire, water, sea level rise, and governance. The assessment contributes to the scientific foundation for understanding climate-related vulnerability at the local scale and informing resilience actions, while also directly informing State policies, plans, programs, and guidance, to promote effective and integrated action to safeguard California from climate change. Read the report or download the summary [here](#).

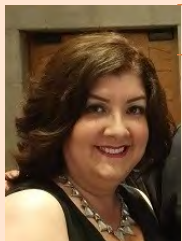
SGD Professor Diana Liverman co-author on Hothouse Earth Article

SGD Professor Diana Liverman (pictured, left) has been involved in some high profile publications on climate change in 2018. In August, she was one of a group of scientists from around the world who published "[The Trajectories of the Earth System in the Anthropocene](#)". The paper discussed how if we do not reduce greenhouse gas emissions, global warming could destabilize aspects of the earth system and lead to temperature increases of 5 degrees C or more. It also suggested options for avoiding this 'hothouse earth' scenario through emission reductions and conservation of the biosphere. The term 'hothouse earth' caught media attention and was reported in hundreds of media outlets. Diana did interviews with the BBC, NPR, Pacifica Radio emphasizing that runaway warming was not our destiny and noting positive signs that humans were taking actions to ensure a more stable earth system. Diana is also a lead author for the new Intergovernmental Panel on Climate Change (IPCC) Special Report on 1.5°C, requested by the UN Paris agreement, and attended the plenary session in Incheon, Korea in October to negotiate the approval of the Summary for Policy Makers with governments. [The report concludes](#) that limiting global warming to 1.5C is profoundly challenging and would require ambitious reductions in emissions and carbon dioxide removal. The report shows significant differences in impacts at 1.5C compared to 2C or higher temperatures and identifies a wide range of options for mitigation and adaptation as well as important knowledge gaps.



THE SGD BUSINESS OFFICE

SGD could not survive without this team of wonderful staff!! Here is a little more about all they do!

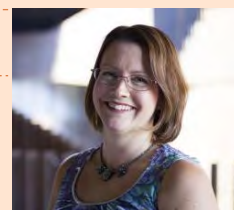


Liz (Elizabeth) Cordova, SGD Program Coordinator

Liz has been with SGD since 2003 when she started as a receptionist then moved her way to Administrative Assistant and finally to her current role as Program Coordinator. She is in charge of all of our scheduling, funding, enrollment and UAccess related needs. Liz is a born and raised Tucsonan and has 2 very hilarious girls that keep her hands full when she is not at work. In her free time she is a lover of all zombie and apocalypse related things and a comic book aficionado. Come say hi to her in ENR2 S433 today!

Amanda Percy, Senior Administrative Manager

Amanda worked in the Student Union for 15 years before coming over to SGD, and has been with us as Administrative Manager Extraordinaire since 2014. Amanda is in charge of faculty affairs, event planning, and pretty much all day-to-day administrative duties. She also stays busy in her free time and is currently pursuing a BA in Business Administration through Northern Arizona University online program while also raising 2 teenage boys and a daughter. She is another native Tucsonan and she says her favorite thing about Tucson is the "monsoons and sunsets". She says her favorite part of working in SGD is meeting all the diverse people



Adriana Kelly, Manager of Operations and Finance

Adriana is the business office and accounts guru of SGD and has been with us for just over a year. She is born and raised in Yuma, AZ and has done all of her schooling at UA from her B.S. in Business Administration to her Masters of Accounting at Eller. She worked at the College of Medicine as an Accountant Principal before coming over to SGD. In her free time she hangs out with her two adorable children and loves to get away to the beach (preferably Rocky Point or San Diego) whenever possible. She says that her favorite part of working in SGD is 'all of the wonderful faculty and grad students and realizing that geography is so much more than just maps!'

Vicki Henry, Accountant

Vicki is the newest addition to the SGD Business Office. She joined in November 2017 after working at the University of Wyoming (UW) in Laramie for 21 years. She is in charge of all of our reimbursements in SGD. Vicki is also a geographer and earned her B.S. in geography from UW while working as an office manager. As a recent arrival to Tucson she says that she loves getting to know all the new exciting desert flora and fauna. She particularly enjoys the roadrunners and quails! Prior to moving to Tucson Vicki was serving her second term as an elected member of the Laramie City Council. She has two kids and 7 grandchildren!



STAY IN TOUCH WITH SGD!

The School of Geography and Development is revitalizing its connections to alumni and friends so please send us your news and contact information!

You can leave SGD a message and update [here](#) or email our front office by contacting amandab@email.arizona.edu.

To read a detailed history of the School, click on the old department sign to the left.



HOW TO SUPPORT THE SCHOOL OF GEOGRAPHY AND DEVELOPMENT

We work very hard to support our students, secure research grants, and connect to the community. We are always grateful for any contribution to support deserving students, invest in faculty research, encourage our outreach activities, or fund lectures, fieldwork and internships.

For more information and to donate please go to: <https://geography.arizona.edu/donate> Thank You!

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COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

School of Geography
& Development

SGD COLLOQUIUM AND LECTURE SERIES

One thing that SGD prides itself is its vibrant colloquium series. Featuring annual endowed lectures including the My Arizona lecture (that pays homage to Southwest cultural and environmental geographies) and the Jan Monk Distinguished Lecture (which features a diverse range of feminist geographers), the colloquiums are always the spot to be on Fridays at 3:30.

Fall 2018 has a diverse and exciting line-up!! Here are just a few example of what colloquium has to offer. [Find out more about colloquium and see the whole Fall 2018 schedule here](#)



Associate Professor [Katie Meehan](#) (Oregon University, soon to be Kings College London in Jan 2019) is a proud alumni of SGD! She came to tell us about her new collaborative work (with PhD student [Shiloh Deitz](#)) "Plumbing Poverty in America: Hot Spots of Racial and Geographic Inequality in Household Water Insecurity." Her talk was an eye-opening spatial analysis of inadequate plumbing across the USA.

[Dr. Esther Sullivan](#) (pictured, right) (CU-Denver) will be with us on [October 10th](#) to give a talk on her book of the same title, "Manufactured Insecurity: Mobile Home Parks and Americans' Tenuous Right to Place"



Professor [Anna Secor](#) (pictured, right) (University of Kentucky) will join us on [November 9th](#) for her talk, "The Neighbor Who Might Kill You: Encounter and difference in Turkey"

Professor [Natalie Koch](#) (pictured, right) (Syracuse University) will close out the fall colloquium series with her talk "The Geopolitics of Spectacle: Space, synecdoche, and the new capitals of Asia," where she will discuss research that contributed to her recently published book of the same title. Friday [November 30th](#)



This newsletter was edited by Carly Nichols (cnichols@email.arizona.edu) and Diana Liverman (liverman@email.arizona.edu). Any comments or corrections can be directed to them.