

Citizen Science Association Conference 2019 - 13 to 17 March 2019
PRELIMINARY PROGRAM - DETAILED

For details on workshops, field trips, and round tables please see the conference website.



Wednesday, 13 March

- 8am **Workshop TBA**
Ballroom
- 8am **Workshop TBA**
RCC 402
- 8am **Workshop TBA**
NCMNS #1
- 8am **Workshop TBA**
NCMNS #2
- 8am **Workshop TBA**
NCMNS #3
- 8am **Field Trips**
- 5:30pm **7pm -10pm Opening Reception and Project Slam!**
NCMNS #1
Chaired by: Chris Goforth
- 5:30pm **Become a Digital Disaster Volunteer to Virtually Save Lives**
» [Sophia B Liu](#)
- 5:35pm **HappyMaps.org: a public health citizen science platform for positive active transportation experiences**
» [Colin Ferster](#), Trisalyn Nelson, Karen Laberee
- 5:40pm **Storm Surge Protectors**
» [Jade Woll](#), Nina Sassano

- 5:45pm **BugMap: building bridges between citizens and researchers to monitor invasive insect species in Northern Italy**
» [Anna Eriksson](#), Robert Malek, Livia Zapponi, Franca Ghidoni, Aya Ibrahim, Clara Tattoni, Marco Ciolli, Stefano Corradini, Daniele Andreis, Annapaola Rizzoli, Daniele Arnoldi, Valerio Mazzoni, Gianfranco Anfora
- 5:50pm **Crowd the Tap**
» [Imani Bell](#), Caren Cooper
- 5:55pm **Caterpillars Count! Monitoring the phenology of foliage arthropods**
» [Allen Hurlbert](#)
- 6pm **ecoEXPLORE: Engaging the Next Generation of Citizen Scientists**
» [Jonathan Marchal](#), [Libbie Dobbs-Alexander](#)
- 6:05pm **Fig and Silk Cotton trees in the complex social-cultural-ecological web of cities in India**
» [Vallari Sheel](#), Madhusudan Katti
- 6:10pm **Using polar tour vessels as a platform for scientific research and citizen science – supporting the science community and increasing polar awareness amongst travellers.**
» [Verena Meraldi](#), Tudor Morgan
- 6:15pm **Using Research to Increase Volunteer Retention: How a sea turtle organization incorporated research to address volunteer fatigue and incidentally increased volunteer diversity and retention**
» [Karen Clark](#), [Marissa Bijarro](#), Debra Spillman, Susan Silbernagel
- 6:20pm **Building Climate & Community Resilience in New York City's Industrial Waterfront Neighborhoods**
» [Jalisa Gilmore](#), Ryan Chavez



Thursday, 14 March

8am	Welcome and Opening Plenary Talk <i>Ballroom</i>
9:45am	Networking Sessions <i>RCC 301A</i> Chaired by: Julie Vastine
9:45am	Networking Sessions <i>RCC 301B</i>
9:45am	Networking Sessions <i>RCC 302A</i>
9:45am	Networking Sessions <i>RCC 302B</i>
9:45am	Networking Sessions <i>RCC 302C</i>
9:45am	Networking Sessions <i>RCC 303</i>
9:45am	Networking Sessions <i>RCC 304</i>
9:45am	Networking Sessions <i>RCC 402</i>
11am	301A-T1 - Sym-81 Not Just Grunt Work: Engaging the Public in Research from Design to Publication <i>RCC 301A</i>

11am	Not Just Grunt Work: Engaging the Public in Research from Design to Publication » Laura Trouille , Benjamin Keep , Omei Turnbull , Ruth Kermishallen , Catherine Key , Willysha Jenkins , Tiffany Nuessle , Tina Phillips , Fernando Portela
11am	Symp-92 Citizen Social Science for Environmental Public Health Research <i>RCC 301B</i>
11am	Citizen Social Science for Environmental Public Health Research » Bryan Hubbell , Mary Clare Hano , Ana Rappold , Bethany Cutts , Caren Cooper , Steven Prince , Liam O'fallon , Robert Richardson
11am	Symp-129 Scaled BioBlitzes <i>RCC 302A</i>
11am	Scaled BioBlitzes: Engaging Community Organizers to Increase Participation in Large-Scale Biodiversity Monitoring Efforts » Lila Higgins , Alison Young , Rebecca Johnson , Mary Ford , Michelle María Early Capistrán , James Pagé , Savita Willmott
11am	Symp-241 Data quality management plans: Lessons learned from the water quality monitoring community <i>RCC 302B</i>
11am	Data quality management plans: Lessons learned from the water quality monitoring community » Pam DiBona , Robert Stevenson , Julie Vastine , Kris Stepenuck , Peter Tango , Erick Burres , Matt Liebman
11am	Problem Drive CS <i>RCC 302C</i>
11am	Symp-222 Building a Global Mosquito Citizen Science Consortium: Bringing Together Diverse Perspectives for Common Goals <i>RCC 303</i>

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Continued from Thursday, 14 March	
11am	<p>Building a Global Mosquito Citizen Science Consortium: Bringing Together Diverse Perspectives for Common Goals</p> <p>» Rebecca Boger, Jessie Oliver, Mendel Wong, Martin Brocklehurst, Russanne Low, Durrell Kapan</p>
11am	<p>Community Organizing Collaborations</p> <p>RCC 304</p>
11am	<p>Get your waders on - working with 3rd party agencies to reach the harder to reach</p> <p>» Rick Hall</p>
11:15am	<p>The Power of Partnership- Growing Citizen Science Through Collaborative Efforts</p> <p>» Bridget Cervero</p>
11:30am	<p>Building Professional – Amateur Astronomy Campaigns</p> <p>» Padma Yanamandra-Fisher</p>
11:45am	<p>Determining community science priorities for landscape-level monitoring in a land management collaborative</p> <p>» Lisette Arellano</p>
12pm	<p>So you want to create a Center for Citizen Science...what now?</p> <p>» Rob Blair, Lucy Fortson, Abigail Anderson, Andrea Lorek Strauss</p>
12:15pm	<p>NASA/JPL Solar System Ambassador program brings NASA to your neighborhood</p> <p>» Tony Rice</p>
11am	<p>Training</p> <p>RCC 402</p>
11am	<p>Empowering citizen science leaders with tools for robust community engagement</p> <p>» LoriAnne Barnett</p>
11:15am	<p>The Certified Trainers Network – A Train-the-Trainer Model Approach for Branching Out</p> <p>» Brittney Rogers</p>
11:30am	<p>Creating replicable protocols to train citizen scientists: A tree health monitoring case study</p> <p>» Richard Hallett, Rachel Holmes, Michelle Johnson</p>
11:45am	<p>Training Citizen Scientists for Data Reliability: A Multiple Case Study to Identify Themes in Current Training Initiatives</p> <p>» Margaret Gaddis</p>
12pm	<p>Evaluating and refining training protocols enhances data quality in a citizen science avian research and monitoring program</p> <p>» Cooper Farr, Bryant Olsen, Tim Brown</p>
12:15pm	<p>Applying Citizen Science to Gene, Drug, Disease Relationship Extraction from Biomedical Abstracts.</p> <p>» Ginger Tsueng, Max Nanis, Jennifer Fouquier, Michael Mayers, Benjamin Good, Andrew Su</p>
1:45pm	<p>Resilience</p> <p>RCC 301A</p>
1:45pm	<p>Little Data is Big: How Community-sourced stories and data empower climate resilience</p> <p>» Julia Kumari Drapkin</p>
2pm	<p>Citizen science for building community resilience to hazard events</p> <p>» Lisa McLaren</p>
2:15pm	<p>Promoting Sustainability through the Integration of Citizen Science and Ecotourism</p> <p>» Jennifer Martel, Daniel Villafranca, Sarah Lamb, Jos Sienknecht</p>
2:30pm	<p>Landslide Reporter's First Year: Contributions and Collaborations in Global Landslide Citizen Science</p> <p>» Caroline Juang, Thomas Stanley, Dalia Kirschbaum</p>

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2:45pm	<p>Leveraging citizen science to enhance community resilience and improve disaster preparedness and response</p> <p>» Mary Leinhos, Ramya Chari</p>
3pm	<p>Keys to Success: How a Citizen Science Pilot Study Became a National Drought Monitoring Program</p> <p>» Amanda Farris, Eleanor Davis, Nolan Doesken, Kerry Guisepppe, Kirsten Lackstrom, Noah Newman, Henry Reges, Kelly Smith, Julian Turner, Rebecca Ward</p>
1:45pm	<p>Biodiversity and Environmental Monitoring</p> <p>RCC 301B</p>
1:45pm	<p>Engaging Citizen Scientists Through the GLOBE Urban Heat Island Effect Campaign</p> <p>» Kevin Czajkowski, Gitte Venicx, Janet Struble</p>
2pm	<p>Engaging and Supporting Volunteers: Lessons Learned from a Regional Monitoring Program</p> <p>» Natalie McNeill, Julie Vastine</p>
2:15pm	<p>Lessons Learned from Working with Trappers to Conserve Wolverines</p> <p>» Robert Anderson, Bill Abercrombie</p>
2:30pm	<p>Black Oystercatchers and Citizen Science: helping protect Oregon's rocky shoreline</p> <p>» Joe Liebezeit, Amelia O'connor, James Lyons, Elise Elliott-smith, Shawn Stephensen, Courtney Shannon</p>
2:45pm	<p>Synergies Between the City Nature Challenge Bioblitz and Building the Boston Biodiversity Consortium</p> <p>» Marie Studer, Colleen Hitchcock, Rob Stevenson, Mark Chandler, Eric Baitchman, Tracy Barbaro, Aimee Bonanno, Zoe Foster, Erin Kelly, Cynthia Mead</p>
3pm	<p>Citizen scientists help benchmark biodiversity in an era of rapid environmental change</p> <p>» W. Douglas Robinson</p>
1:45pm	<p>Tech and Tools</p> <p>RCC 302A</p>
1:45pm	<p>Volunteer-Friendly Techniques for Integrating Diverse Data into an Open Access Database</p> <p>» Helen Schlimm, Julie Vastine</p>
2pm	<p>Outside the box: Off task ways citizen scientists contribute, enrich, and build upon a task-specific, virtual citizen science project.</p> <p>» Andrew Eckhart, Judy Eckhart, Christine Kent, Thomas A. Adams, Craig Lazarchick, Arun Kumar, Celine Son, Ben Rush, Ginger Tsueng, Andrew Su</p>
2:15pm	<p>Awkward Data: Scaling a Citizen Science Project in the Era of Big Data and Small Budgets</p> <p>» Julian Turner</p>
2:30pm	<p>Correcting sampling effort in citizen science active transportation safety data</p> <p>» Colin Ferster, Trisalyn Nelson</p>
2:45pm	<p>Data as a public good; can blockchain democratize citizen science and expand opportunities for innovative data use?</p> <p>» Maria Palamar, Graise Lee Jenni, Nick Byrne</p>
3pm	<p>Leveraging Digital Volunteers and the Tech Sector to Respond to Disasters</p> <p>» Sophia B Liu</p>
1:45pm	<p>Ethics</p> <p>RCC 302B</p>
1:45pm	<p>Beyond Consent: Turning Patients and Research Subjects into Citizen Scientists</p> <p>» Aubrey Incorvaia</p>

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Continued from **Thursday, 14 March**

- 2pm **Privacy, transparency, trustworthiness, and data quality in citizen science**
 » [Christine Anhalt-Depies](#), Jennifer Stenglein, Benjamin Zuckerberg, Philip Townsend, Adena Rissman
- 2:15pm **What's in it for you? Participation inequality in citizen science might be challenged in politically motivated projects**
 » [Petra Benyei](#), Manuel Pardo-de-Santayana, Laura Aceituno-Mata, Laura Calvet-Mir, Victoria Reyes-García
- 2:30pm **Liability 101 for Field-Based Citizen Science Projects**
 » [Leah Corrigan](#), Megan Mueller
- 2:45pm **Opportunities and Barriers for Citizen Science in Decision-making about Environmental Pollution**
 » [Alison Parker](#), George Wyeth
- 3pm **Citizen Scientists or Citizen Technician: How do we talk about citizen science and who's benefiting from it?**
 » [Dani Lin Hunter](#), Gregory Newman, Meena Balgopal
- 1:45pm **Evaluation**
RCC 302C
- 1:45pm **Citizen science landscapes and participative knowledge spaces in Latin America: the case of Chile**
 » [Pedro Seguel-Varas](#), [Martín Andrés Perez Comisso](#), [Sebastian Escobar](#), [Dinka Acevedo](#)
- 2pm **Characterization of citizen science in the United States: results from a national survey**
 » [Ramya Chari](#), Marjory Blumenthal, Luke Matthews, Tyna Eloundou
- 2:15pm **Unpacking citizen science to build citizen science: A workshop to guide new citizen science practitioners**
 » [Hannah Webber](#), Bill Zoellick

- 2:30pm **Citizen Science and Participatory Modeling: Design and Evaluation of Learning**
 » [Rebecca Jordan](#), Steven Gray, Charlotte Taylor, Amanda Sorensen
- 2:45pm **Why, how and what citizen scientists learn while participating in the program: viewing citizen scientific groups with the lens of community of practice learning theory**
 » [Chi-Chang Liu](#), Chia-Hsuan Hsu
- 3pm **Schools as sites for citizen science: Challenges and opportunities**
 » [Xavier Fazio](#)
- 1:45pm **Symp-156 Design and Practice for Community Science Literacy**
RCC 303
- 1:45pm **Design and Practice for Community Science Literacy**
 » [Sarah Kirn](#), [Bill Zoellick](#), [Linda Silka](#), [Sarah Wilkins](#), [Amy Palmer](#), Raj Pandya, Natasha Udu-gama, Melissa Goodwin
- 1:45pm **Community Organizing to solve problems**
RCC 304
- 1:45pm **Deterring African elephant (*Loxodonta africana*) crop raiding using the power of citizen scientists in Kenya**
 » [R. Lynn Von Hagen](#), Bruce Schulte
- 2pm **Forming, Storming, Norming, Performing - Build the Perfect Field Team in 15 Minutes**
 » [suzanne whelan](#)
- 2:15pm **The Way Forward for Citizen Science and Sustainable Development Goals**
 » [Dilek Fraisl](#), Steffen Fritz, Linda See
- 2:30pm **Engaging Citizens in Resource Conservation: Communicating Results from the Dragonfly Mercury Project**
 » [Colleen Flanagan Pritz](#), [Sarah Nelson](#), Collin Eagles-smith, James Willacker, Sara Melena, Melanie Peters

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2:45pm **From community-based conservation to basin-wide citizen science: understanding and conserving fish migrations in the Amazon Basin**

» [Mariana Varese](#), Gina Leite

3pm **How do Wildlife Cross the Road? Ask the people who live there!**

» [Tracy Lee](#), Danah Duke

1:45pm **Engagement, participation, and research**
RCC 402

1:45pm **Bridging the research-practice gap: Highlights and lessons learned from integrating citizen science practice and educational research**

» [Lucy Robinson](#), Heidi Ballard, Rebecca Johnson, Alison Young, Lila Higgins, Christothea Herodotou, Julia Lorke, Annie Miller, Sasha Pratt-Taweh, Jessie Jennewein, Maria Aristeidou, Harpreet Sanghera, Grant Miller, Greg Pauly

2pm **Who Gets to Contribute and How: Expanding Community Scientist Participation Beyond Data Collection**

» [Leighanna Hinojosa](#), Joseph Polman, Robbin Riedy

2:15pm **Integrating citizen science into museum exhibitions through participatory design**

» [Holly Mutascio](#)

2:30pm **Constructing Reciprocity and Negotiating Collaboration in Citizen Science Projects**

» [Emily Oswald](#), Palmyre Pierroux

2:45pm **Using Citizen Science To Incorporate Research Into Introductory Biology Courses at Multiple NC Universities**

» [Heather Vance-Chalcraft](#), Terry Gates, Allen Hurlbert

3pm **Advancing citizen science for families – lessons learned from the Ant Hunt**

» [Julie Sheard](#), Nathan J. Sanders, Rob R. Dunn, Anders Tottrup

3:30pm **CSA Member Meeting**

Ballroom

4:45pm **Poster Session**

Ballroom

Storytelling and community engagement as a public health tool: Healthy living and food access in New Orleans, LA

» [Hasheemah Afaneh](#), [Praveena Fernes](#), Emma Lewis, Jylana Sheats

Precious Partnership: Libraries & Citizen Science

» Tataleni Asino, [Nicole Colston](#)

Potential of citizen science to promote public engagement in conservation actions

» [Caren Souza](#), Blandina Felipe Viana

Transposition of Citizen Science into Teachable Knowledge: Equitable Access to Science through Knowledge Generation

» [Aerin Benavides](#)

'Deis does Citizen Science: Collaboration across the College Community

» [Esther Brandon](#), [Melanie Radik](#), [Colleen Hitchcock](#), [Alex Willett](#)

Dragonfly Detectives: Young Citizen Scientists Can Collect High Quality Data

» [Christine Goforth](#), Julie Hall

The Triangle Bird Count: mapping bird communities and visualizing habitats with 360° photography to analyze urban forest structure and monitor change

» Elizabeth Farley-Dawson, [Michael Caslin](#), Kaberi Kar Gupta, Deja Perkins, Kolby Altabet, Shannon Dolan, Madhusudan Katti



Continued from **Thursday, 14 March**

Science Outside the Classroom: Branching Out with the Birds 'n' Bogs Citizen Science Program

» [Audrey Taylor](#), Peggy Kristich, Sierra Doherty, Barbara Johnson

Making Scientific Data (and Learning) Playful & Tangible

» [Colin Dixon](#), [HyunJoo Oh](#), [Lila Finch](#)

Scaffolding with Citizen Science at the Pacific Grove Museum of Natural History

» [Emily Gottlieb](#)

Citizen Science as a Authentic Science Experience in Informal Education Settings

» [Holli Kohl](#), Heather Fischer, Heather Mortimer, Theresa Schwerin

Using a native pollinator garden to increase ecological literacy in college students at the University of North Carolina at Charlotte

» [Kevin Coffey](#), [Angela Duong](#), [Thomas Ferry](#), [Melissa Hatley](#), [Jennifer Le](#), [Jack Morin](#), [Pierina Parraga](#), [Roya Tawkaliyar](#), [Carrie Wells](#)

Monarch Citizen Science Takes a New Wing

» [Laura Lukens](#)

Using Photovoice Method to Explore and Identify Water Quality Issues: Arthur Kill Blueway Citizen Science Advocates Project

» [Alejandrina Canelo](#), Glenn Lautenbach, Johnnie Rosser, Tracy Parham

Branching out: multiple models for library engagement with citizen science in higher education

» [Danica Lewis](#), [Karen Ciccone](#), [Debbie Currie](#)

Linking Citizen Science and Environmental Education to Inspire Stewardship

» [Dave Smaldone](#)

Engaging the Greenville Community in Sustainability Science Education and Civic Science

» [Jamie Badeau](#), [Sophie Brennan](#), [Amelia Miles](#), [Emily Moffett](#), [John Williams](#), [Peter Wilson](#), Geoffrey Habron

The Conservation Center for Innovation (CCI): advancing conservation through education, outreach, science, and stewardship across landscapes & generations.

» [Kate Brown](#), Cristin Krasco, Cheryl Millett, Zach Prusak

Environmental decision making: How youth use their citizen science data and experiences for habitat restoration decisions

» [Erin Bird](#)

Citizen science in the post-disaster context: Recovery outcomes

» [Olivia Vila](#)

Global Learning and Observations to Benefit the Environment (GLOBE)

» [Patrick Curley](#)

Building credibility: choosing equipment for your volunteer monitoring program

» [Jinnie Monismith](#)

Citizen Science as a strategy for evaluation of the trigonal clam *Tivela mactroides* (Born, 1778) (*Bivalvia*) for its categorization in the List of Endangered Species of São Paulo State.

» [Thaís Rech](#), Gabriel Soto, Alexander Turra

Open-source spectrophotometry for water quality

» [Banafsheh Khakipoor](#), Hunter King, Jiansheng Feng, [Kelly Siman](#), Adam Smith



Continued from **Thursday, 14 March**

Refresh of CitizenScience.gov site to better link users with appropriate tools and information

» [John McLaughlin](#),jarah Meador, Stephanie Green

The European Citizen Science Association: Highlights and future plans

» [Dorte Riemenschneider](#), Lucy Robinson, Johannes Vogel

A Gamification Approach: Utilizing Citizen Science to Increase Interest in STEM

» [Jonathan Marchal](#), [Libbie Dobbs-Alexander](#)

A Simpler Test for Iodine Deficiency

» [Randall Hayes](#), Ilya Wang, Himani Bhat, Jillian Jessup, Hana Kamran, Joshua Wasserman, Jessica Zhong

Engaging Rural Middle School Students through Citizen Science and Inquiry

» [Rebecca Ward](#), [Colleen Karl](#), Heather Dinon Aldridge

The Landscape of Citizen Observatories in Europe

» [Margaret Gold](#)

Who's asking? Supporting citizen-driven monitoring programs

» [Pam DiBona](#)

What are you doing with our data? Clean Rivers participants' preferences for feedback about project outcomes

» [Anne Land-Zandstra](#), Anja Van Oostrum

Biological Science Programs Adopting a Social Science Approach to Boost Volunteer Retention

» [Joshua Jenkins](#), [Meera Seethi](#), Janneke Hille Ris Lambers

Project for Polar Suborbital Science in the Upper Mesosphere (PoSSUM) Mesospheric Cloud Observations

» [Heidi Hammerstein](#), [Kyle Foster](#), [Jason Reimuller](#)

Volunteers of The National Map Corps

» [Erin Korris](#)

Through a different lens: Studying youth participation as practitioner researchers in LEARN CitSci

» [Annie Miller](#), [Jessie Jennewein](#), [Sasha Pratt-Taweh](#), Heidi Ballard, Lucy Robinson, Julia Lorke, Lila Higgins, Rebecca Johnson, Alison Young, Maria Aristeidou, Christothea Herodotou, Grant Miller, Harpreet Sanghera

Exploring how community participation affects the sense of community from the actions of community care: A Case Study of Wennei Community, Taiwan

» [Tsu Jen Ding](#), Peng Chin-Lu

Empowering Citizens at the Poles

» Alex Cowan, [Allison Lee](#), Ted Cheeseman, Lauren Farmer, Annette Bombosch, Bob Gilmore, Brandon Harvey

Rocky Mountain Field Institute Citizen Science Program

» [Margaret Gaddis](#)

Assessing the Usefulness of Citizen Science Information in Drought-Related Decision Making

» [Kirsten Lackstrom](#), Amanda Farris, Eleanor Davis, Nolan Doesken, Kerry Guisepppe, Noah Newman, Henry Reges, Kelly Smith, Julian Turner, Rebecca Ward

Virtually Communicating Nature's Benefits

» [Liz Kalies](#), Chuck Peoples

GeoVin: an innovative citizen science project to learn about Argentinian kissing bugs

» Soledad Ceccarelli, Agustin Balsalobre, María Eugenia Cano, Walter Antonio Oscar Ferrari, [Joaquín Cochero](#), Gerardo Anibal Marti

Ethical Protocols for the Recognition and Engagement of Citizen Scientists and Their Data

» [Melissa Demetrikopoulos](#), Stephen Feldman, Lee Morris, Wesley Thompson, John Pecore



Continued from **Thursday, 14 March**

The Benefits of Citizen Scientists in Evaluating the Effects of Floodplain Restoration in an Urban Stream

» [Tera Ratliff](#)

You, the Scientist: Bringing Citizen Science to a New Arena

» [Becky Rother](#), [Shoshi Shapiro](#)

How environmental monitoring technology can be used by citizen scientists to address concerns about hydraulic fracturing in Athens County, Ohio

» [Grace Fuchs](#), Natalie Kruse, Michele Morrone, Hans Kruse

Building a Healthy Future for Nail Salon Workers in Los Angeles County

» [Dung Nguyen](#), Bao Nguyen, Lisa Fu

Mainstreaming Citizen Science Data Management in On-farm Monitoring of Climate Change in Tanzania

» [Hector Mongi](#)

Students as environmental change agents: investigating the empowerment of students to make discoveries and community-level change through citizen science

» [Jenna Hartley](#), Kathryn Stevenson, Nils Peterson, Renee Strnad, Sarah Carrier, K.C. Busch, Elizabeth Demattia, Howard Bondell, Danielle Lawson

Engaging Youth in Urban Environmental Education

» [Justina Thompson](#)

Getting Your Project off the Ground: Feedback Requested

» [Katrina Theisz](#), Jennifer Couch, Ellen McCallie, Pietro Michelucci, Claire Baert

Application and validation of a citizen science protocol for the monitoring of infralittoral benthic biotopes

» Larissa Kawabe, [Natalia Ghilardi-Lopes](#)

Current status and possibilities of citizen science for biodiversity conservation in Brazil

» Amanda Nascimento, [Natalia Ghilardi-Lopes](#)

But we can't even buy bricks here! Transforming existing protocols to engage citizen scientists

» [Laura Guiral](#), Cosette Larash, Alison Cawood

Using Social Media Network Analysis for boosting Citizen Science Projects Engagement

» [Sandro Von Matter](#)

Exploring the potential for place-based citizen science to advance conservation: lessons learned from Alberta case studies

» [Danah Duke](#), Tracy Lee

Citizen Science to Advance Health and Diversity- Evaluation of informal science education programming to increase interest in STEM

» [Jasmine Miller-Kleinhenz](#), Adam Marcus, Theresa Gillespie

Impacts of an Online Macroinvertebrates Observation & Identification Tool on Volunteers' Accuracy & Confidence in Water Quality Biomonitoring Training

» [Camellia Sanford-Dolly](#), [Marti Louw](#), Jessica Roberts

Spotlight on Science

» [Diane Miller](#), Michael Reed

The Model of Knowledge Creation : A Synthesizing Process of Bridging Citizen Science into the Community Agricultural Landscape

» [Chih-Liang Chao](#)

Creating Successful Citizen Science Research Partnerships with Interest-Focused, Learning-Centered Communities

» [Heather Killen](#), Daniel Pauw, Tamara Clegg, Jenny Preece

Citizen Science through the lenses of Peer Production

» [Pedro Seguel-Varas](#)



Continued from **Thursday, 14 March**

Sustaining volunteer engagement: Remember citizen scientists are just like us!

» [Britt Forsberg](#), [Rob Blair](#)

Bridging the Divide - A collaborative approach to integrating civic science in agency decision-making

» [Ingrid Brostrom](#), Paulina Torres

Citizen Scientist Observations of Zoo Animal Behavior During a Total Solar Eclipse

» [Adam Hartstone-Rose](#), Kaitlyn Leonard

Using Citizen Science to Facilitate Authentic K-12 STEM Experiences for Pollinator Conservation

» [Kaitlin Campbell](#), Rita Hagevik, Martin Farley

Mosquitoes and Public Health: Improving Data Validation of Citizen Science Contributions Using Artificial Intelligence

» [Rebecca Boger](#), Russanne Low, J. Pablo Munoz

DNA barcoding: biodiversity research for everyone.

» [Bruce Nash](#)

Snapshot Volunteer Monitoring: A Community Science Success Story

» [Helen Schlimm](#), Julie Vastine

Ocean Eyes

» [María Isabel Hermoso Beltrán](#), Martin Thiel

Engage Teachers With Existing Citizen Science Projects

» [Trudie Henninger](#)

Science Communication and Citizen Science: Educating Participants, Funders, and Advocates

» [Shayna Keyles](#)

Youth Digital Data Collection in the Field

» [Thomas Ray](#)

Evaluation of the Inadequacy of Air Pollution Regulations in Maryland: An argument for citizen-based sensor data collection on pollution in impacted communities

» [Leonard Zuza](#)

Project Tethys: The World's First Mobile Undersea Research Station

» [Jamie Guined](#), Linda Roehrborn, Jeffrey Bozanic, Rick Hudson

Friday, 15 March

8am	Plenary CS in K-12 <i>Ballroom</i>
9:45am	HOLD <i>Ballroom</i>
9:45am	Policy <i>RCC 301A</i>
9:45am	iNaturalist can guide policy: examples in Dallas/Fort Worth » Sam Kieschnick
10am	Sweating for Science at the HeatMappers Walk event: a case study on blazing trails in volunteer science to inform policy and practice. » Patricia Solis , Maggie Messerschmidt, Heather Fischer, Jenni Vanos, David Hondula, Wei Luo, Qunshan Zhao
10:15am	Voices from the other side: How does international policy conceptualise 'citizen science'? » Susanne Hecker , Nina Wicke, Muki Haklay, Aletta Bonn

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Continued from Friday, 15 March	
10:30am	On the need for metrics and instruments to evaluate citizen-science impacts on the environment and society » Luigi Ceccaroni , Mark Chandler
9:45am	Symp-167 Get out for air: enabling community and media to engage in air quality dialogue RCC 301B
9:45am	Get out for air: enabling community and media to engage in air quality dialogue through citizen science initiatives in Asia's megacities » Ther Aung , Ronak Sutaria , Abid Omar , Pallavi Pant
9:45am	Symp-173 Possibilities for Voluntary, Independent Ethics Oversight for Citizen Science Projects RCC 302A
9:45am	Possibilities for Voluntary, Independent Ethics Oversight for Citizen Science Projects » Lisa Rasmussen , Toby Schonfeld, Andrew Cullison
9:45am	Symp-266 Reaching Girls Through Citizen Science RCC 302B
9:45am	Reaching Girls Through Citizen Science » Suzanne Harper
9:45am	Symp-214 Creating a common vernacular: Exploring conversations across citizen science sectors RCC 302C
9:45am	Creating a common vernacular: Exploring conversations across citizen science sectors to accelerate discovery of and access to citizen science instruments » Calvin Cupini , Julie Vastine, Erica Prange
9:45am	Sym-268 Citizen Science: A Tool for Advocacy (EJ) RCC 303
9:45am	Citizen Science: A Tool for Advocacy » Margaret Gordon , Azabuike Akaba , Sacoby Wilson , Omega Wilson
9:45am	Classroom Education K-12 RCC 304
9:45am	SCHOOL-BASED HOME RADON TESTING: FAMILY-CENTERED CITIZEN SCIENCE WITH YOUTH » Ellen J. Hahn, Monica Mundy , Angela Fox, Erin Haynes
9:50am	How can I keep teachers engaged in my citizen science program? Lessons from Stories in the Snow. » Meghan Collins , Nick Kimutis
9:55am	Microfossil Sorting for a "Mouse's Eye View" of Rancho La Brea » Elizabeth Ellwood , Gary Takeuchi, Aisling Farrell, Emily Lindsey, Jessica Blois, Justin Yeakel, Jacquelyn Gill, Christine Mazzello
10am	The importance of Non-Negotiables when planning citizen science for K-12 classrooms » Nate Bourne , Terry Gates
10:05am	Camera Trapping in the Classroom » Kristin Black , Bill McShea, Jen Zhao, Megan Blance
10:10am	The challenges of using youth-focused citizen science to monitor coastal marine biodiversity in Portugal » Cristina Luis , António José Monteiro, Alexandra Cartaxana, Diana Boaventura, Ana Teresa Neves, Jaime Santos, Paula Colares Pereira

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Continued from Friday, 15 March	
10:15am	Combating Stereotype Threat in Underrepresented Populations through Citizen Science and Geoscience Education » Raya Boyd , Micheal Lewis , Jamila Simpson, Lindsay Zanno, Terry Gates
10:20am	Creating Original Curriculum based Citizen Science Projects » Susan Sachs
9:45am	Symp-183 Exploring Sustainable Funding Models for Citizen Science RCC 402
9:45am	Exploring Sustainable Funding Models for Citizen Science » Sarah Newman , Russell Scarpino
11am	Evaluation (data collection and use) RCC 301A
11am	Discovering Unexpected Outcomes Mid-Stream: Lessons Learned from Data Interpretation » Natalie McNeill , Julie Vastine
11:15am	What frequency and intensity of monitoring is required to capture caterpillar phenology in a citizen science project? » Allen Hurlbert
11:30am	An Evaluation of Training Transfer for Citizen Scientists in a Large Scale Water Quality Research Project » Shannan George , Sarah Carrier
11:45am	Linking Science Communication to Data Achievement. Building a powerful set of strategies for a highly successful Citizen Science Project » Sandro Von Matter
12pm	Engaging Citizen Scientists To Monitor Water Storage In Lakes » Grant Parkins , Sarah Yelton , Tamlin Pavelsky, Megan Rodgers, Sheikh Ghafoor, Faisal Hossain
12:15pm	Making an Impact Through Crowd Sourcing and Technology » Samantha Briggs
11am	Symp-140 From Guest to Scientist: Enhancing Museum Visitors' Experience and Identity through Citizen Science RCC 301B
11am	From Guest to Scientist: Enhancing Museum Visitors' Experience and Identity through Citizen Science » Becky Rother , Christine Goforth , Holly Menninger , Tiffany Nuessle
11am	Symp-234 Citizen Science in Action: A Tale of Four/Five Advocates Who Would Have Lost Without You RCC 302A
11am	Citizen Science in Action: A Tale of Four/Five Advocates Who Would Have Lost Without You » Jessica Culpepper
11am	Classroom K-12 RCC 302B
11am	Orchids in Classrooms: Using Orchid Conservation to Improve Students Attitudes towards Science » Cosette Larash , Joyce Park , Alison Cawood
11:15am	Using a Citizen Science Approach to Integrate Biomedical Research into Science Curricula » Dara Ruiz-Whalen , Alana O'Reilly, Carol Brandt
11:30am	Primary school students can collect valuable scientific data » Daphne Ezer

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Continued from **Friday, 15 March**

11:45am **Citizen science in schools: Students collect valuable mammal data for science, conservation, and community engagement**

» [Stephanie Schuttler](#), Rebecca Sears, Isabel Orendain, Rahul Khot, Daniel Rubenstein, Nancy Rubenstein, Rob R. Dunn, Elizabeth Baird, Kimberly Kandros, Timothy O'brien, Roland Kays

12pm **Thousand leagues along East Pacific shores - marine litter research with K-12 students from ten different countries**

» [Martin Thiel](#), Daniela Honorato, Diamela De Veer, nelson vásquez, Paloma Nuñez, Ailin Leyton, Jose Miguel Sepulveda Collio

12:15pm **Wild Oysters: Engaging Underserved Students in Citizen Science**

» [Anne Bremer](#)

11am **Symp-238 Advancing the science of citizen science through meta-platforms and meta-analyses**

RCC 302C

11am **Advancing the science of citizen science through meta-platforms and meta-analyses**

» [Caren Cooper](#), Tina Phillips, Julia Parrish, Gregory Newman, H Spiers, Finn Danielsen

11am **Participation and Retention**

RCC 303

11am **Nibble and Drop: Why do Volunteers drop out of Citizen Science Programs?**

» [Heather Fischer](#), Martin Storksdieck, Holli Kohl, Peder Nelson

11:15am **Utilizing experiential learning to recognize and further engage citizen scientists**

» [Logan McDonald](#), Sharon Tatem, Emily Hardin, Brendan O'Connor, Andrea Pereyra

11:30am **Bidding for Expanded Participation in Scientific Research Across Moments, Weeks, or Months**

» [Robbin Riedy](#), Joseph Polman, Leighanna Hinojosa

11:45am **Situational factors related to participant retention in a continental-scale citizen science project**

» [David Bonter](#), Emma Greig, Tina Phillips, Victoria Martin

12pm **The diverse motivations of citizen science volunteers: Implications for recruitment and retention**

» [Lincoln Larson](#), Sara Futch, Caren Cooper, Nathan Shipley, Kathy Dale, Geoff Lebaron, John Takekawa

12:15pm **Where Did They Come from and Where Do They Go: Does Volunteer Starting Point Predict Sustained Engagement in Citizen Science?**

» [Bradley Allf](#)

11am **Tech and Tools (Environmental Justice)**

RCC 304

11am **Community Air Monitoring: Tools and Best Practices**

» [Amanda Kaufman](#)

11:15am **Community Air Mapping Project for Environmental Justice in New York City**

» [Priya Mulgaonkar](#), [Cesar Yoc](#), Michael Heimbinder

11:30am **Enhancing Air Pollution Governance through Geographical Citizen Science: The Development of PM2.5 Monitoring Actor-network in Taiwan**

» [Ming-Kuang Chung](#), Bor-Wen Tsai

11:45am **Evaluation of Low-Cost Particulate Matter Monitors from a Public Health Perspective**

» [Brad Goodwin](#), Peter Kowalski, Aaron Grober, Tiffany Bazzelle, Sue Casteel

12pm **Participatory Disease Surveillance: Engaging the Public in Monitoring and Reporting Health Threats**

» [Adam Crawley](#)

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Continued from Friday, 15 March	
12:15pm	Advancing Use of Low-cost Sensors for Community Science Programs with Voluntary Consensus Standards » Dave Elam
11am	Symp-193 Citizen science and beyond: moving youth to scientific inquiry and civic action through citizen science RCC 402
11am	Citizen science and beyond: moving youth to scientific inquiry and civic action through citizen science » Andrea Lorek Strauss , Heidi Ballard , Jennifer Fee , Laura Herszenhorn , Meggie Harvey , Christine Voyer
12:45pm	Lunch and Learn Ballroom
12:45pm	Lunch and Learn RCC 301A
12:45pm	Lunch and Learn RCC 301B
12:45pm	Lunch and Learn RCC 302A
12:45pm	Lunch and Learn RCC 302B
12:45pm	Lunch and Learn RCC 302C
12:45pm	Lunch and Learn RCC 303
12:45pm	Lunch and Learn RCC 304
12:45pm	Lunch and Learn RCC 402
2pm	Work-142 Citizen Science Harvard Workshop (EJ) Ballroom
2pm	Engaging and Empowering Citizen Scientists: Practical Advice About Planning and Implementing Projects » Wendy Jacobs , Shaun Goho
2pm	Collaboration (Environmental Justice) RCC 301A
2pm	Co-creating Citizen Science Projects for Social Change » Anna Cigarini , Julián Vicens , Isabelle Bonhoure , Josep Perelló
2:15pm	Enhancing Citizen Science in the Caribbean through Equipment Loan Centers » Rachael Graham , Anahita Williamson
2:30pm	Citizen Science as a Collaboration Tool: Meeting Public Needs and Land Management Objectives » Michelle Tamez
2:45pm	Between freedom and regulation: investigating community standards for enhancing scientific robustness of Citizen Science » Anna Berti Suman
3pm	Leveraging Collaborations Between Federal Agencies and Communities for Enhanced Water Quality Monitoring, Wildlife Assessments, and Community-Engaged Research » Lauren Wiggins , NaTaki Osborne Jelks

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Continued from Friday, 15 March	
2pm	<p>Symp-113 Program Design at the Intersection of Citizen Science and Data Literacy (K-12) <i>RCC 301B</i></p>
2pm	<p>Program Design at the Intersection of Citizen Science and Data Literacy » Bill Zoellick, Emily Harris, Kristin Bedell, Sarah Kirn, Christine Voyer, Sean O'Connor, Kelly O'donnell, Meggie Harvey, Magdalena Sorger, Colin Dixon</p>
2pm	<p>Symp-189 Towards an Iberoamerican Citizen Science Association <i>RCC 302A</i></p>
2pm	<p>Towards an Iberoamerican Citizen Science Association » Soledad Luna, Kyle Copas, Carolina Soto, Dairo Escobar, Joaquín Cochero, Felipe Castilla, Cristina Villaverde, Jaume Piera, Anabela Plos, Néstor Acosta, Patricia Koleff, Elizabeth Torres, Andrea Ferreira Portela Nunes, Karen Soacha, Mariana Varese</p>
2pm	<p>Environmental Monitoring <i>RCC 302B</i></p>
2pm	<p>Citizen Science Pilot Projects helps to Assess Water Quality after Hurricanes Irma & Maria in the USVI » christina chanes, Rachel Graham, Stan Latesky, Kostas Alexandridis</p>
2:15pm	<p>Engaging Citizen Scientists to Prioritize and Monitor the Effectiveness of Stream Restoration Projects » Jake Lemon</p>
2:30pm	<p>Long-Term Citizen Science Water Monitoring Data: An Exploration of Accuracy Over Space and Time » Kelly Albus</p>
2:45pm	<p>Using CitSci in support of conservation resource management: is it taking hold? » Jana Newman</p>
3pm	<p>Choose Your Adventure: A Model for Watershed Stewardship Programs » Lisa Meranti, Jennifer Grieser</p>
3:15pm	<p>Enhancing the Use of Citizen Science by a Provincial Government Agency in Alberta, Canada » Tracy Lee, Danah Duke, Krista Tremblett, Marley Kozak, Zoe Wang, Justine Kummer</p>
2pm	<p>Tech and Tools <i>RCC 302C</i></p>
2pm	<p>Does smartphone technology enhance community-based environmental monitoring outcomes? A systematic review » Mark Andrachuk, Charlotte Hings, Melissa Marschke, Derek Armitage</p>
2:15pm	<p>Ocean Alert: An Application to Streamline Protected Species Observations for use in Federal Decision Making » Jacob Levenson, Shane Gero, Jennifer Bosyk, Shauna Bingham, Greg Sanders, Laura Oremland, Drew Blout, Virgil Zetterlind, Jason Holmberg</p>
2:30pm	<p>Crowdsourcing High-Precision GPS Data Collection to Position America for the Future » Amy Whetter, Galen Scott</p>
2:45pm	<p>Interactive science kits: Preparing citizen scientists to participate in environmental health projects » Megan Hughes, Dina Markowitz, Katrina Korfmacher, Cait Fallone, Dana Haine, Lubna Ahmed</p>
3pm	<p>A new tool for characterizing paleontological citizen scientists in online social spaces » Lisa Lundgren, Kent Crippen, Richard Bex</p>

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Continued from Friday, 15 March	
3:15pm	Tons of Trillium but None in My Plot » Georgia Murray , Douglas Weihrauch, Patrick Lynch, Lauren Healey
2pm	Sym-184 Citizen Science and the University: Institutional innovation, change, and engagement beyond the ivory tower RCC 303
2pm	Citizen Science and the University: Institutional innovation, change, and engagement beyond the ivory tower » Ryan Meyer , Heidi Ballard, Rob Blair, Ira Bennett, Caren Cooper, Colleen Hitchcock, Julia Parrish
2pm	Participatory Research RCC 304
2pm	Design Charrettes: A user centered design process for building diverse public participation » Robert Pastel , Don Lafreniere, Sarah Scarlett
2:15pm	Citizen Scientists in Antarctica: a new approach to understand climate change affected environments with FjordPhyto » Allison Lee , Martina Mascioni, Maria Vernet, Gaston Almandoz
2:30pm	Are All Welcome? How Citizen Science Can Engage Bigfoot Investigators » Darby Orcutt
2:45pm	Implications of diver diversity, preferences and motivations for their contribution to Citizen Science. » María Isabel Hermoso Beltrán , Victoria Martin, Wolfgang Stotz, Stefan Gelcich, Martin Thiel
3pm	Piloting Citizen Sociolinguistics: Benefits of collaborating with citizens in social science research » Cindi SturtzSreetharan , Gina Agostini, Deborah Williams
3:15pm	Gut Instinct: Creating Scientific Theories with Online Communities » Vineet Pandey , Scott Klemmer
2pm	Symp-191 Building capacity for partnership-centric community and citizen science in libraries: Using successful projects and library partnership RCC 402
2pm	Building capacity for partnership-centric community and citizen science in libraries: Using successful projects and library partnership framework to identify critical relationship building strategies » Cynthia Randall , Dan Stanton, Lila Higgins, Richard Smart, Jared Lipworth, Darlene Cavalier
3:45pm	Education - Youth RCC 301A
3:45pm	“Breaking barriers in the Genetics of Taste Lab to integrate diverse community scientists” » Nicole Garneau, Joseph Polman, Esmarie Swisher
4pm	Characterizing Youth Participation in Natural History Museum-led Citizen Science: Online and in the Field » Christothea Herodotou , Heidi Ballard, Julia Lorke, Maria Aristeidou, Lucy Robinson, Rebecca Johnson, Alison Young, Lila Higgins, Jessie Jennewein, Annie Miller, Sasha Pratt-Taweh, Harpreet Sanghera, Grant Miller, Greg Pauly
4:15pm	4-H AL Water Watch: Increasing Environmental Literacy and Watershed Stewardship through Youth-Focused Citizen Science » Mona Dominguez
4:30pm	Youth Sense of Place through Urban Citizen Science » Cornelia Harris, Rhea Esposito , Alan Berkowitz
4:45pm	What do citizen and community science mean for cooperative extension? » Ryan Meyer , Sabrina Drill, Heidi Ballard

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Continued from **Friday, 15 March**

5pm	Creating Authentic Science Opportunities for High School Students » Jen Keliher , Pamela Wade
3:45pm	Symp-205 Are Photos Data RCC 301B
3:45pm	Are Photos Data? » Holli Kohl , Fraser Shilling, Carrie Seltzer, Jon Van Oast, Julia Kumari Drapkin, Laura Trouille
3:45pm	Environmental Monitoring (Environmental Justice) RCC 302A
3:45pm	Citizen Science and Advocacy: A Rhetorical Analysis of the Mountain Valley Pipeline » Kelly Scarff
4pm	Water service disparities in suburban NC and a research partnership that expands the reach of community voices » Erica Wood , Robert Lassiter , Walker Grimshaw, Sydney Lockhart, Frank Stillo, Ally Clonch, Zenora Saelua, Jacqueline Macdonald Gibson
4:15pm	Community engaged research on traffic-related air pollution in Atlanta » Christina Fuller , Yomi Noibi, Dajun Dai, Christine Stauber, Deirdre Oakley, Erin Ruel
4:30pm	Using Citizen Science to Study Well Water Contamination in Environmental Justice Communities in North Carolina » Andrew George , Kathleen Gray, Sarah Yelton, Rebecca Fry
4:45pm	Community-Engaged Research for Environmental Health: Lessons from the Imperial County Community Air Monitoring Network » Catalina Garzon , Michelle Wong , Luis Olmedo , Esther Bejarano , Humberto Lugo

5pm	Can Collaborating with Community Members to Assess Environmental Exposure Protect Public Health? » Franziska Landes , Jennifer Sobolewski, Margaret Calcio, Brian Mailloux, Alexander Van Geen
3:45pm	Symp-180 Designing technology to maximize cultural diversity, uptake, and outcomes of citizen science RCC 302B
3:45pm	Designing technology to maximize cultural diversity, uptake, and outcomes of citizen science. » Jessie Oliver , Muki Haklay, Jenny Preece, Jonathan Brier, Tamara Clegg, Gretchen Lebuhn, Grant Miller
3:45pm	Symp-216 Best Practices for Place-Based Community-Based Monitoring RCC 302C
3:45pm	Best Practices for Place-Based Community-Based Monitoring: Ensuring Sustainable Long-term and Outcomes-rich Programs » Linda Chilton , Dani DiIullo, Alyson Eberhardt , Kristen Grant , Kate Litle , Kris Stepenuck , Julie Vastine , Maya Walton
3:45pm	Symp-212 Citizen Science in Higher Education: Classrooms, Campus, and Communities RCC 303
3:45pm	Citizen Science in Higher Education: Classrooms, Campus, and Communities » Colleen Hitchcock , Caren Cooper
3:45pm	Evaluation (data quality) RCC 304
3:45pm	Biased assumptions and oversimplifications in evaluations of citizen science data quality » Eva Lewandowski , Hannah Specht

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Continued from Friday, 15 March	
4pm	How well are citizen science papers in space science and astronomy cited in the professional literature? » Sten Odenwald
4:15pm	Robust, reliable citizen science? Assessing data quality in an intertidal monitoring project in Southern New Zealand » Aless Smith , Sally Carson, Matthew Desmond, Daniel Pritchard, Christopher Hepburn
4:30pm	Improving the Fidelity of Citizen Scientist Reports of Mosquito Data » Krishna Woerheide , Russanne Low , Rebecca Boger
4:45pm	Patterns of participation in field-based citizen science : variation between and within activities and the impact on scientific outputs » Michael Pocock , Tom August, Richard Fox
5pm	Understanding the Impact of Volunteer Demographics on Data Quality » Jasmine Mirfattah , Monaca Noble, Alison Cawood
3:45pm	Symp-171 A Different Perspective: Understanding Equity, Diversity and Inclusion in Citizen Science using Community-based Participatory Research RCC 402
3:45pm	A Different Perspective: Understanding Equity, Diversity and Inclusion in Citizen Science using Community-based Participatory Research » Karen Purcell , Marcelo Bonta, Makeda Cheatom, Fanny Villarreal, Karen Kitchen, Marilu Lopez Fretts, Berenice Rodriguez, Catherine Crum
5:30pm	EJ Panel and Program Ballroom

Saturday, 16 March	
8am	Workshop 243 - Citizen Science Training on the use of Low-cost Real-Time Sensors RCC 301A
8am	Citizen Science Training on the use of Low-cost Real-Time Sensors: Bladensburg as a Case Study » Rosemary Ezeugoh , Sacoby Wilson
8am	Workshop 149 Improv RCC 301B
8am	ImprovSciComm - the art of (science) communication is improvisation » Susanne Hecker
8am	211 - Best Practices, SciComm RCC 302A
8am	Best practices in Science Communication » Alexandra Fries , Caroline Donovan , Suzanne Spitzer
8am	Work-213: Study Design: Developing a Citizen Science Project that Delivers Results RCC 302B
8am	Study Design: Developing a Citizen Science Project that Delivers Results » Julie Vastine , Barb Horn
8am	Work-192 Action Research RCC 302C
8am	A model of action research for building community decision-making capacity » janni sorensen , Tara Bengle

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Continued from Saturday, 16 March	
8am	219 - volunteer life cycle <i>RCC 303</i>
8am	Volunteer Life Cycle: Understanding and engaging volunteers for citizen science » Andrea Lorek Strauss , Amy Rager
8am	HOLD <i>RCC 304</i>
8am	Symp-207 Citizen Science Funding Opportunities at the National Science Foundation (NSF) <i>RCC 402</i>
8am	Citizen Science Funding Opportunities at the National Science Foundation (NSF) » John Parker , Jacqueline Vadjunec , Fay Cobb Payton
9am	Omega Wilson - Work-235 (EJ) Citizen Science: Environmental Justice Science for Compliance (Omega) <i>Ballroom</i>
9am	Citizen Science: Environmental Justice Science for Compliance » Omega Wilson
10:30am	Biodiversity observations <i>RCC 301A</i>
10:30am	Data Quality and Participant Engagement in Citizen Science: Comparing two Approaches for Monitoring Pollinators in France and South Korea » Hortense Serret , Nicolas Deguines , Yikweon Jang , Grégoire Lois , Romain Julliard
10:45am	EchidnaCSI uses sample collection and sightings to address fundamental questions in echidna biology and conservation » Tahlia Perry , Alan Stenhouse , Isabella Wilson , Peggy Rismiller , Frank Grutzner
11am	The power of an observation: how citizen scientists can enhance researcher-collected data to fill knowledge gaps and inform pollinator conservation efforts » Victoria MacPhail , Rich Hatfield , Leif L. Richardson , Sheila R. Colla
11:15am	Pajareros. A qualitative research methods approach to Mexican citizen science ornithology » Arturo Vallejo
11:30am	Can they see it? Collecting presence-absence, count data, and photos on hard-to-observe phenology of plants » Tabitha Graves
11:45am	Citizen Scientist Aquanaut: Ocean Stewardship Through Citizen Science » Linda Roehrborn , Jamie Guined , Rick Hudson
10:30am	Symp-89 Cultural Heritage and Citizen Science from the Federal Perspective <i>RCC 301B</i>
10:30am	Cultural Heritage and Citizen Science from the Federal Perspective » Teresa Moyer , Jay Sturdevant , Andrew Wilson , leigh grench , Sarah Latshaw , Reed Robinson
10:30am	Symp -127 Grow your own: Experimental gardens (Ed K-12??) <i>RCC 302A</i>
10:30am	Grow your own: Experimental gardens as a critical contribution of citizen science to global change research and hands-on education » Nicholas Fisichelli , Abe Miller-Rushing , Kerissa Battle , Gretchen Lebuhn , Jake Weltzin

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Continued from Saturday, 16 March	
10:30am	Symp-230 Citizen Science in Action RCC 302B
10:30am	Citizen Science in Action » Kerry Butch
10:30am	Evaluation (Project Ownership and Volunteer Retention) RCC 302C
10:30am	Co-creating the “co-created”? A mixed method approach to reconciling researcher and participant perceptions of engagement in an exploratory citizen science project » Laura Rickard , Abby Roche , Kimberley Huguenard , Preston Spicer, Linda Silka , Kevin Duffy
10:45am	Citizen Science and Networked Expertise » Ashley Rose Mehlenbacher , Tyler Black
11am	Do project owner attitudes constrain citizen science? Enabling the shift from silo to holistic volunteer management » Maria Sharova , Lincoln Larson, Caren Cooper
11:15am	Who you are and what you (think) you know: motivation, perception and identity in environmental citizen science » Yurong He , Julia Parrish, Jackie Lindsey, Shawn Rowe, Timothy Jones, Hillary Burgess, Cynthia Char
11:30am	Building and maintaining citizen science learning communities: iSpotnature.org ten years on » Janice Ansine , Michael Dodd, David Robinson, Yoseph Araya, Philip Wheeler, Advait Siddharthan
11:45am	Growing and Sustaining Volunteer Participation Over Time: Lessons From FrogWatch USA™ » Arslan Ahmad , Shelly Grow
10:30am	Urban Spaces RCC 303
10:30am	Tenderloin Safe Passage » Kate Robinson , Anonymous User
10:45am	Research with citizen scientists on a nocturnal primate in a megacity » Kaberi Kar Gupta , Varsha Bhaskaran, Rajeev Bachhu, Kesang Bhutia, Soumya Kori, Hari Prakash Jr, Vidisha Krishna, Arun Visweswaran, Madhusudan Katti
11am	Using citizen science and cross sector partnerships to engage new audiences in urban sustainability initiatives » Mark Chandler , Diana Eddowes, Jose Pillich , Alan Berkowitz , Brianne Smith, Thomas Meixner, Jennifer Cherrier
11:15am	To eBird or not to eBird: a comparative analysis of systematic point count census projects and eBird data to study urban bird communities » Madhusudan Katti , Christopher Hensley, Michael Caslin, Elizabeth Farley-Dawson, Jennie McFarland
11:30am	Connection to nature is mediated through social ties: Creating ecological meanings of urban waterfronts in New York City » ANNE TOOMEY , Blyss Buitrago
11:45am	Implementation and Evaluation of Citizen Science Program “City Natur Challenge 2018 –Tokyo” with Collaboration of 68 Cities in the World » Hiromi Kobori , Dai Togane, Young-sik Ham, Ryo Sakurai
10:30am	Symp-218 Program before Project – Infrastructure to Implement Best Practices in Citizen Science, Stakeholder Engagement, and Resource Management RCC 304

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Continued from **Saturday, 16 March**

10:30am **Program before Project – Infrastructure to Implement Best Practices in Citizen Science, Stakeholder Engagement, and Resource Management**

» [Amber Von Harten](#), [Jennifer Shirk](#), [Leda Cunningham](#), [Brett Fitzgerald](#), [Scott Baker](#), [Bob Lorenz](#)

10:30am **Education - Youth**
RCC 402

10:30am **Integrating Citizen Science Efforts into Schools Through Service Requirements.**

» [Ginger Tsueng](#), [Arun Kumar](#), [Max Nanis](#), [Andrew Su](#)

10:45am **Citizen Science in Informal and Formal Venues: Student Sense-making and Interest in Science Education and Careers**

» [Michele Koomen](#), [Mary Hedenstrom](#)

11am **CITIZEN SCIENCE IN 4-H: YOUTH VOLUNTEER MOTIVATIONS, PARTICIPATION, RETENTION AND SCIENTIFIC LITERACY**

» [Veronica Del Bianco](#)

11:15am **Let's work together: How could environmental educators, youth leaders, scientists, and land managers collaborate on youth-focused citizen science programs?**

» [Janet Ady](#)

11:30am **GLOBE Observer: Going Beyond Data Collection**

» [Kristen Weaver](#), [Holli Kohl](#), [Helen Amos](#)

11:45am **Using Citizen Science as a Context to Support Evidence-Based Reasoning**

» [Sara Ludovise](#)

12:15pm **CSA Working Groups**
Ballroom

12:15pm **CSA Working Groups**
RCC 301A

12:15pm **CSA Working Groups**
RCC 301B

12:15pm **CSA Working Groups**
RCC 302A

12:15pm **CSA Working Groups**
RCC 302B

12:15pm **CSA Working Groups**
RCC 302C

1:30pm **Environmental Monitoring**
RCC 301A

1:30pm **Standardizing Citizen-led Creek Monitoring in the San Francisco Bay Area**
 » [Helen Fitanides](#)

1:35pm **Evaluating the Participant Experience: How Citizen Science Can Build a Diverse Constituency for Watershed Stewardship**
 » [Kim Hachadoorian](#), [Rachel Becker-Klein](#)

1:40pm **Mapping the Invisible: Deconstructing constraints on public empowerment within the UK Water Framework Directive.**
 » [Emma Hibbett](#)

1:45pm **MPA Watch: Community-Based Monitoring of Human Use in Marine Protected Areas**
 » [Angela Kemsley](#)

1:50pm **Collaborative development of a seagrass monitoring program for Chesapeake Bay citizen scientists**
 » [Suzanne Spitzer](#)

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Continued from **Saturday, 16 March**

- 1:55pm **Development and Implementation of Rescue a Reef, a Citizen Science Program built around Coral Reef Restoration**
 » [Dalton Hesley](#), [Diego Lirman](#)

- 2pm **AppEAR: habitat quality assessment in continental waterbodies through citizen science in Argentina**
 » [Joaquín Cocheró](#), [María Belén Sathicq](#), [Javier García De Souza](#), [María Mercedes Nicolosi Gelis](#), [Pablo Macchi](#), [Alejo Fabian Bonifacio](#), [Magdalena Licursi](#), [Roberto Jensen](#), [María Fernanda Álvarez](#)

- 2:05pm **Quantifying seafloor debris through citizen science: Dive Against Debris®, a case study**
 » [Hannah Pragnell-Raasch](#)

- 2:10pm **Chesapeake Data Explorer: Instant Access to Basin-Wide Volunteer Monitoring Data**
 » [Emily Bialowas](#), [Liz Chudoba](#), [Peter Tango](#), [Alexandra Fries](#), [Danielle Donkersloot](#), [Julie Vastine](#), [Helen Schlimm](#)

- 2:15pm **Bay Scallop Restoration: A Community Effort**
 » [Emily Hardin](#), [Jennifer Granneman](#), [Sharon Tatem](#), [Austin Heil](#), [Elizabeth Pudlak](#)

- 2:20pm **MO DIRT - Missourians Doing Impact Research Together - A citizen science project to monitor soil health in the state of Missouri**
 » [Sandra Arango-Caro](#), [Terry Woodford-thomas](#)

- 2:25pm **Sensor stories: Empowering communities to understand and reduce exposure to air pollution**
 » [Dana Haine](#), [Kathleen Gray](#), [Katrina Korfmacher](#), [Cait Fallone](#), [Lubna Ahmed](#)

- 2:30pm **Community Corrosion Monitoring-Validating Photographic Paper as a Low-Cost Tool for Monitoring Hydrogen Sulfide**
 » [Sara Wylie](#), [Garance Malivel](#), [Lourdes Vera](#), [Drew Michanowicz](#)

- 1:30pm **Symp-141 Hiding in Plain Sight - Stories of the Search for Volunteer Skill Gains In Data Validation Records**
RCC 301B

- 1:30pm **Hiding in Plain Sight - Stories of the Search for Volunteer Skill Gains In Data Validation Records**
 » [Karen Peterman](#), [Andrea Wiggins](#), [Megan Mueller](#), [Julie Vastine](#), [Christy Semmens](#), [Cathlyn Styliniski](#), [Rachel Becker-Klein](#)

- 1:30pm **Symp-178 (EJ) Indigenous People on the Front Lines: Using Citizen Science to Improve Environmental Public Health**
RCC 302A

- 1:30pm **Indigenous People on the Front Lines: Using Citizen Science to Improve Environmental Public Health**
 » [Judith Zelikoff](#), [Kathy Vandiver](#), [Marti Lindsey](#), [Esther Erdei](#)

- 1:30pm **Classroom K-12 Partnerships**
RCC 302B

- 1:30pm **Becoming a Citizen Science School? Partnerships K-8**
 » [Juliana Thomas](#)

- 1:45pm **Citizen Science in the Classroom: Building Agency and Broadening Perspectives**
 » [Georgia Bracey](#)

- 2pm **Driven to Discover: Using citizen science to spark authentic engagement in the process of science**
 » [Katie-Lyn Bunney](#), [Rob Blair](#), [Andrea Lorek Strauss](#), [Lisa Curtis](#), [Mary Hedenstrom](#)

- 2:15pm **Establishing Public Education-Research Collaborations using citizen science in the Western Cape of South Africa: Identifying the challenges**
 » [Terry Gates](#), [Ryan Tucker](#), [Nate Bourne](#), [Ronald Englebrecht](#), [Suanne Rampou](#), [Sophia Turner](#), [Joseph Hulbert](#), [Lindsay Zanno](#)

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Continued from Saturday, 16 March	
2:30pm	Teacher Professional Development for the development and implementation of Citizen Science » John Pecore , Ryan Walker , Shana Lee , Tiffany Beachy, Michael Dias
2:45pm	Building K-12 STEM Practices through Citizen Science » Jennifer Fee
1:30pm	Data Quality and Challenges RCC 302C
1:30pm	Maximizing data quality in citizen science » Peter Brenton
1:45pm	Using Citizen Science To Solve Fisheries Data Gaps In Canada and Provide Managers With A New Monitoring Tool » Sean Simmons
2pm	A citizen science network to support the emerging field of macrosystems ecology » Leslie Ries , Doug Taron, Jeff Phippen
2:15pm	QA/QC of Citizen Scientist-collected Data- an Earthwatch Perspective Based on 48 years of R & D » Stan Rullman , Cristina Eisenberg, Mark Chandler, Stephen Hart
2:30pm	From Data Collection to Data Production: Two studies and a set of questions » Colin Dixon , Emily Harris, Lisa Hardy, Heidi Ballard, Erin Bird
2:45pm	Designing citizen science research to generate robust scientific findings, a case study on the impact of stream channelization in Illinois » Charlie Blake , Allison Rhanor
1:30pm	Biodiversity RCC 303
1:30pm	Citizen Science's role in understanding frugivorous seed dispersal on working landscapes in Southern Costa Rica » Robyn Bath-Rosenfeld , Clare Aslan, Kerry Grimm, Sarah Frey
1:35pm	Harnessing the power of citizen science and connecting Calgarians to their Natural Capital: Where the Wild Things Are » Samantha Managh
1:40pm	Oral History of Slender Loris in the City of Bengaluru » Varsha Bhaskaran , Kaberi Kar Gupta, Harini Nagendra
1:45pm	Impacts of the Candid Critters Project on Students' Environmental Literacy and Science Efficacy » Steven Jackson , Elijah Fry, Kyle Bambard, Lincoln Larson, Stephanie Schuttler, Ann May, Kathryn Stevenson, Caren Cooper, Roland Kays
1:50pm	Community-based monitoring and the sustainability of citizen science- A case of the Wu-wei-kang Wildlife Refuge and a grassroots conservation organization in Taiwan » DJ Lu , An-chi Lou, Gwo-Wen Hwang, Uptree Shih, Ming-Kuang Chung, Bor-Wen Tsai
1:55pm	Biology in a World without Walls: The ever growing ecosystem of community biology labs » Todd Kuiken
2pm	Tricks From a Creative Scientist: How Felt Fish, E. Coli Processing Mats, Friendly Field Forms, and Animated Micro-Video Lessons Can Engage Volunteers, Make Science Fun, and Decrease Data Errors » Meghan Smart
2:05pm	Place-based citizen science based in arid zones - a model for the co-creation of projects in the participatory study of water and its ecosystems » Paloma Nuñez

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Continued from **Saturday, 16 March**

- 2:10pm **Beyond data collection: Expanding the citizen science research experience to further scientific literacy**
 » [Jessamine Finch](#), Jean Bryan, Jennifer Schwarz Ballard, Kayri Havens-Young
- 2:15pm **How to mobilize half an Island - and beyond?**
 » [Thomas Kaarsted](#), Anne Kathrine Overgaard
- 2:20pm **Mapping invasive species: Engaging university students in protected area management through volunteered geographic information**
 » [Pei-Hsin Hsu](#), Chih-Liang Chao, Mei-Chih Yeh
- 2:25pm **Mapping citizen science projects in the Amazon: preliminary results and recommendations for future action**
 » [Gina Leite](#), Mariana Varese
- 2:30pm **NatureNet: Technology for Community-Driven Environmental Projects**
 » [Tamara Clegg](#)
- 1:30pm **Inclusion (Environmental Justice)**
RCC 304
- 1:30pm **Benefits and Barriers to Engaging Underserved Tribal Communities in Ecosystem Research**
 » [Jonathan Long](#)
- 1:45pm **Citizen science, diversity, and social-ecological resilience in a rapidly changing North: improving access and outcomes by design**
 » [Katie Spellman](#), Elena Sparrow, Christa Mulder
- 2pm **How Strongly Participatory Science and Collaborative Analysis Can Help Empower Local Residents to be Effective Advocates for Change**
 » [Barbara Allen](#), Alison Cohen

- 2:15pm **Relevancy, Inclusion, Diversity, and Equity (RIDE) in outdoor spaces: Creating equity programs that work**
 » [Yonit Yogev](#), [Mickey Fearn](#)
- 2:30pm **Examining two cases of Public Lab community science: Process and outcomes of using science for civic engagement**
 » [Margaret Pannkuk](#), Heidi Ballard, Liz Barry, Gretchen Gehrke, Shannon Dosemagen
- 2:45pm **Effect of Environmental Monitoring Method on Participant Self-Efficacy for Science in Underrepresented Communities**
 » Monica Ramirez-Andreotta, [Leona Davis](#), Sanlyn Buxner, Aminata Kilungo, Rob Root, Jean McClain, Leif Abrell, Flor Sandoval
- 1:30pm **Evaluation (Motivation and Engagement)**
RCC 402
- 1:30pm **WHEN MONEY DOESN'T MATTER - EXPLORING MOTIVATIONS FOR CITIZEN SCIENCE**
 » [Sarah Jakositz](#), Weiwei Mo, Bridie McGreavy, Scott Greenwood, Lana Pillsbury
- 1:45pm **What's the best engagement bang for your outreach buck? Comparing feedback outlets for sharing results with citizen science volunteers.**
 » [Roland Kays](#), Monica Lasky, Stephanie Schuttler, Arielle Parsons, Ann May, Kris Smith
- 2pm **Enabling interaction and engagement to pursue behavior change in Citizen Science initiatives**
 » [Karin Ekman](#), Alexandra Weilenmann
- 2:15pm **Investigating the Impact of Including Virtual Spaces in Citizen Science Projects to Promote Participation**
 » [Heather Killen](#)
- 2:30pm **Clean Rivers participants' initial and sustained motivation**
 » [Anne Land-Zandstra](#), Hanneke Reinders

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Continued from **Saturday, 16 March**

2:45pm **“Turning Viewers Into Doers”: The Role of Broadcast & Digital Media in Empowering Individuals to Engage With Citizen Science**

» [Camellia Sanford-Dolly](#), Fatima Carson

3:15pm **City Nature Challenge and K-12 Schools**
Ballroom

3:15pm **CNC/iNaturalist & K-12 -- CSA Education track session**

» [Marie Studer](#), Anne Haywood, Colleen Hitchcock, Amy Lorenz

3:15pm **Symp-233 Policy Perspectives on Citizen Science**
RCC 301A

3:15pm **Policy Perspectives on Citizen Science**

» [Lea Shanley](#), Anne Bowser, Aletta Bonn, Alison Parker

3:15pm **Symp-187 Tent. CitSci+SciComm: Brainstorming new collaborations Jean Goodwin**
RCC 301B

3:15pm **CitSci+SciComm: Brainstorming new collaborations**

» Jean Goodwin, [John Besley](#), [James Wynn](#), Liz Neeley, [Julia Parrish](#), [Victoria Martin](#), [Darlene Cavalier](#)

3:15pm **Biodiversity**
RCC 302A

3:15pm **BEES: BE a citizEn Scientist**

» [Giovanni Mazzitelli](#)

3:20pm **Box Turtle Connection: Where Citizen Scientists Lead the Way**

» [Sara Steffen](#), Ashley LaVere, Ann Somers

3:25pm **A Citizen Science-Powered Project to Document North American Macrofungi**

» [Bill Sheehan](#), Stephen Russell

3:30pm **Arctic Berry Citizen Science for All Ages and Groups**

» [Jasmine Shaw](#), Katie Spellman, Elena Sparrow, Christa Mulder

3:35pm **Impacts of the Candid Critters Project on Volunteers' Wildlife-related Beliefs, Attitudes, and Behaviors**

» [Charmaine Pedrozo](#), Lincoln Larson, Caren Cooper, Stephanie Schuttler, Roland Kays, Ann May

3:40pm **Leveraging Citizen Science for Rare Species Conservation in Texas**

» [Tania Homayoun](#)

3:45pm **Conquering Fears, Building Bat Conservation Communities**

» [Marissa Bijarro](#), [Rebecca Skiba](#), Karen Clark, Katherine Caldwell

3:50pm **The Arnold Arboretum Tree Spotters, a citizen science program of the Arnold Arboretum of Harvard University**

» [Suzanne Mrozak](#)

3:55pm **The New York City EcoFlora Project: Connecting Urban People and Nature**

» [Brian Boom](#), Daniel Atha

4pm **Wild Spotter: Engaging and empowering citizen science volunteers to protect against invasive species**

» [Rachel Carroll](#), Rebekah Wallace, Chuck Barger, Mike Ielmini, Pat Conzemius

4:05pm **Creating a Biodiversity Network: Using a Citizen Science App to Monitor Biodiversity in Alberta**

» [Jordan Bell](#), Tara Narwani

4:10pm **Place-Based Citizen Science: new understandings, new opportunities for global linkages**

» [Zeeda Mohamad](#), [Sara MacBride-Stewart](#)

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Continued from Saturday, 16 March			
3:15pm	<p>Symp-197 Win-Win Partnerships: How collaboration between citizen science and corporations leads to meaningful impacts <i>RCC 302B</i></p>	3:35pm	<p>The Role of Citizen Science in Addressing Grand Challenges in Food and Agriculture Research » Sean Ryan, Farm To Table Working Group, Rob R. Dunn</p>
3:15pm	<p>Win-Win Partnerships: How collaboration between citizen science and corporations leads to meaningful impacts » Diana Eddowes, Anna Woodroof, Danielle Salcido, Elsa Valiente, Kristen Gold, Miltiadis Constantine, Gitte Venicx</p>	3:40pm	<p>Translational Science FAQs For Citizen Science Success » Timothy Barzyk, Emily Eisenhauer</p>
3:15pm	<p>Symp-204 Ethical Considerations in Funded Citizen Science: Implications for Broader Impacts <i>RCC 302C</i></p>	3:45pm	<p>Citizen Science and the global Development Goals (SGDs) – between hopes and evidence » Katrin Vohland</p>
3:15pm	<p>Ethical Considerations in Funded Citizen Science: Implications for Broader Impacts » Jacqueline Vadjunec, Fay Cobb Payton, Todd Kuiken, Lisa Rasmussen, Brenda Wilson, Stacy Lynn, Caren Cooper, John Parker</p>	3:50pm	<p>"Reaching Out" – Empowering Rural Citizen Scientists through Strong Partnerships » Colleen Karl</p>
3:15pm	<p>Community Organizing and EJ <i>RCC 303</i></p>	3:55pm	<p>Science is collaboration around data » Dirk Swart</p>
3:15pm	<p>The role of citizen science in the Global South's 'anthropocene' SDG landscape » Felix Kwabena Donkor</p>	4pm	<p>Co-designing citizen observatories for sustainability: Lessons learned from Europe and Africa » Uta Wehn, Ellen Pfeiffer, Stijn Vrancks, Rianne Giesen, Camille Pelloquin, Conrad Muyaule, Somya Joshi, Hans Van Der Kwast</p>
3:20pm	<p>Navigating between Academic Collaborations and Community-Based Research Partnerships: The Knights Landing Environmental Health Project (2016-) » Alfonso Aranda, Skye Kelty</p>	4:05pm	<p>Peeling the onion: reflections on five years of innovative public participation in aurora research » Elizabeth MacDonald, Richard Hechter</p>
3:25pm	<p>How to involve citizens in the development of a (science based) museum of the future? » Monique Luckas</p>	4:10pm	<p>Conservation Through Community Engagement » Diane Miller, Michael Reed</p>
3:30pm	<p>African American Women: Hair Care Products and Health » Tamara Johnson-Shealey</p>	4:15pm	<p>Sound Around Town: Perceptions, justice and well-being in the acoustic environment » Brittany Carson</p>
		4:20pm	<p>Co-designing a citizen science tool set for sustainable water governance » Karl Pickar, Ariane König</p>
		4:25pm	<p>The Electronic(e) Passport » Melinda Butsch Kovacic, Theresa Baker</p>

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3:15pm	Data and Tools <i>RCC 304</i>
3:15pm	eeWorks: Investigating and synthesizing the research evidence supporting citizen science for environmental education » Amanda Lindell , Heidi Ballard
3:20pm	A case study in citizen social science: How citizen sociolinguists are generating new insights into an established linguistic phenomenon (fat talk) » Deborah Williams , Gina Agostini, Cindi SturtzSreetharan
3:25pm	Patching Data Gaps with Citizen Science » Maura Duffy
3:30pm	Citizen science meets linguistics research exemplified by “On everyone’s mind and lips – German in Austria” » Barbara Heinisch
3:35pm	Emergent genres in online citizen science tutorials » Holly Rosser , Andrea Wiggins
3:40pm	Siftr: A free tool to jumpstart your CitSci Project » David Gagnon , James Mathews
3:45pm	Building the World’s Largest Dataset on the Human Microbiome Using Citizen Science » Sara Bird
3:50pm	Backyard Worlds: Planet 9 » Marc Kuchner , Jacqueline Faherty, Adam Schneider, Aaron Meisner, Sarah Logsdon, Daniella Bardalez Gagliuffi, Jonathan Gagne
3:55pm	Modes of funding for citizen science: comparing funding schemes in the US, Austria and Germany » Anett Richter , Mandy Singer-brodowski, Susanne Hecker, Rob R. Dunn, Aletta Bonn
4pm	Uncovering Connections across Citizen Science Projects: A Social Network Analysis » Sara Futch , Lincoln Larson, Caren Cooper
4:05pm	Crowdsourcing The National Map » Erin Korris
4:10pm	Exponentially increasing collections: A model for online, geographically distributed forays for macrofungi » Stephen Russell
4:15pm	SPLASH » Lisa Adams
3:15pm	Symp-153, 244, 245 Combined Regional EJ (TENT) <i>RCC 402</i>
3:15pm	Participatory Community Air Monitoring and Environmental Justice in Urban and Rural Communities » Jill Johnston , Humberto Lugo , Sandy Navarro , Dilia Ortega , Zully Juarez
3:55pm	Learning from Flint: Research Justice, Accountability, and Citizen Science » Ben Pauli , Jennifer Carrera , Michael Mascarenhas , Lawrence Reynolds , Nayyirah Shariff , Laura Sullivan , Kyle Whyte
4:35pm	Charleston Pollution Prevention Partnership (CAPs): A Focus on Environmental Justice and Community-Based Air Monitoring » Sacoby Wilson , Omar Muhammad, John Pearce, Michelle Nichols
5:30pm	Closing Awards Reception and Plenary: Rob Dunn <i>Ballroom</i>

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Sunday, 17 March

8am	Workshops TBA <i>Ballroom</i>
8am	Workshops TBA <i>RCC 301A</i>
8am	Workshops TBA <i>RCC 301B</i>
8am	Workshop TBA <i>RCC 302A</i>
8am	Workshop TBA <i>RCC 302B</i>
8am	Workshop TBA <i>RCC 302C</i>
8am	Workshop TBA <i>RCC 303</i>
8am	Workshop TBA <i>RCC 304</i>

For details on workshops, field trips, and round tables please see the conference website.