

International Programs

2021 Symposium on Resilience Research for Global Development Challenges

September 30 & October 1, 2021

PROGRAM SUMMARY

The first day of the symposium features a keynote plenary, a panel on a global resilience research initiative at the University of Arizona, and flash talk presentations from participants.

The second day will include smaller workshops. Facilitators in collaboration with symposium attendees will use the time to discuss key themes and potential avenues of collaboration and influence that could be pursued beyond the symposium.

[VISIT WEBSITE >>](#)

THURSDAY, SEPTEMBER 30

8:30-9:00am	Registration – ENR2 S107
9:00-10:00am	*Morning Plenary – ENR2 S107
10:00-10:15am	Break
10:15-12:00pm	*Morning Session 1-A & 1-B Presentations – ENR2 S107 & S225
12:00-1:00pm	Lunch – on own
1:00-2:00pm	*Afternoon Panel – Global Resilience Research at the University of Arizona: Building an Initiative – ENR2 S107
2:00-2:15pm	Break
2:15-4:00pm	*Afternoon Session 2-A & 2-B Presentations – ENR2 S107 & S225
4:00-4:15pm	Break
4:15-5:00pm	*Summary Session & Workshop Goals – ENR2 S107
5:00-6:00pm	Happy Hour – ENR2 Roof

FRIDAY, OCTOBER 1

8:30-9:00am	Doors open – ENR2 S107
9:00-9:30am	Introduction to Workshop – ENR2 S107
9:30-11:30am	Workshops – ENR2 Rooms
11:30-12:00pm	Closing Remarks – ENR2 S107

**Livestream available*

With support from AIR International Programs partners

Morning Plenary

ENR2 S107 | 9:00am–10:00pm | Thursday, September 30

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Introduction to the Symposium on Resilience Research for Global Development Challenges	Dr. Zack Guido Director, International Programs, Arizona Institutes for Resilience
Welcoming Remarks	Dr. Betsy Cantwell Senior Vice President for Research, Innovation & Impact
The Rise of Resilience in International Development	Dr. Greg Collins Associate Vice President, Resilience & International Development
Resilience Research in Practice	Tim Frankenberger President, TANGO International

Afternoon Panel - Global Resilience Research at the University of Arizona: Building an Initiative

ENR2 S107 | 1:00pm–2:00pm | Thursday, September 30

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Introductory Remarks	Dr. Greg Collins Associate Vice President, Resilience & International Development
Humanitarian Assistance Technical Support - HATS	Dr. Tim Finan Professor, School of Anthropology
Perspectives from the Bureau of Humanitarian Assistance, USAID	Laura Meissner Senior Economic Recovery & Market Systems Technical Advisor Rhonda Stewart Senior Humanitarian Information Management Advisor Dr. Ayse Sezin Tokar Senior Hydrometeorological Hazard Advisor
Arizona Initiative for Resilience and International Development	Eric Bergthold Executive Director of the Office of Global Projects Dr. Zack Guido Director, International Programs, Arizona Institutes for Resilience Dr. Mark Langworthy Vice President, TANGO International



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Morning Session 1-A Presentations

ENR2 S107 | 10:15am–12:00pm | Thursday, September 30

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Time	Presenter	Title
10:15–10:25	Dr. Karletta Chief Department of Environmental Science	Indigenous Food, Energy and Water Security and Sovereignty during COVID-19
10:25–10:35	Ann Furbush Agricultural and Resource Economics	Family ties: Understanding household labor allocation for mitigating impacts of disasters, conflict, and COVID-19
10:35–10:45	Nupur Joshi School of Geography, Development and Environment	COVID-19 lockdowns: Linkages between lockdown-induced employment disruptions, water access and hygiene practices in informal settlements of Nairobi
10:45–10:55	Kate Chambers College of Science	Assessing the barriers to and reasons for intention to vaccinate against COVID-19 among United States adults: A scoping review
10:55–11:05	Saha Apurba Department of Systems and Industrial Engineering	Resilient NdFeB magnet recycling under the impacts of COVID-19 pandemic: Stochastic programming and Benders decomposition
11:05–11:15	Dr. Javier Osorio School of Government and Public Policy	Political and criminal violence in Latin America
11:15–11:25	Dr. Susan Brewer-Osorio Center for Latin American Studies	The Collective Reincorporation of Ex-Combatants and Post-Conflict Stability
11:25–11:35	Dr. Jeannine Relly School of Journalism, School of Government and Public Policy	Surviving Mexico: Resistance and Resilience among Journalists in the 21 st Century
11:35–11:45	Dr. Maria Porter Department of Political Economy and Moral Science	Picture-Based Crop Monitoring and Social Comparison Improves Perceptions of Fairness and Raises Demand for Insurance: A Field Experiment in Ethiopia
11:45–11:55	Dr. William Simmons Human Rights Practice, Department of Gender & Women's Studies	Measuring Individual-Level Resilience and Post-Traumatic Growth in International Development: The Case of an Arts-Based Intervention among Rohingya Refugees in Bangladesh



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TECHNICAL ASSISTANCE TO NGOS



H A T S
Humanitarian Assistance Technical Support

Morning Session 1-B Presentations
ENR2 S225 | 10:15am–12:00pm | Thursday, September 30

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Time	Presenter	Title
10:15–10:25	Dr. Yevheniia Varyvoda The Mel and Enid Zuckerman College of Public Health	Considering Ecosystem Services in Food Systems Resilience
10:25–10:35	Dr. Elisa Marchi Human Rights Practice, College of Law	Building a New Framework to Address Ecological Crises: The Relationship Between Biocultural Diversity Discourse and Indigenous Collective Rights
10:35–10:45	Marie-Blanche Roudaut Arid Lands Resource Sciences	A biocultural lens to understand how agroforestry can contribute to climate resilience and sustainable rural livelihood
10:45–10:55	Dr. Greg Barron-Gafford School of Geography, Development and Environment, Biosphere 2	Harvesting the sun twice: Co-using land for sustainable food and electricity production in East Africa
10:55–11:05	Dr. Kevin Fitzsimmons Department of Environmental Science	Seven Years of Sustainable Aquaculture Development in Myanmar
11:05–11:15	Dr. Joey Blankinship Department of Environmental Science	Mitigating Dust Pollution for Climate-Resilient Development in Arid Regions
11:15–11:25	Dr. Flurin Babst School of Natural Resources and the Environment, Laboratory of Tree-Ring Research	The role of arid ecosystems in climate change mitigation depends on a carbon-energy trade-off
11:25–11:35	Dr. Yang Song Department of Hydrology and Atmospheric Sciences	The feedback of Arizona Grassland to Longer Seasonal Droughts and its Implication for Dryland Carbon Cycling: Insights from Model-Experiment Integration
11:35–11:45	Dr. Jason Field School of Natural Resources and the Environment	Resilience in action: Guiding management responses to ecological transitions from disturbance and tree mortality
11:45–11:55	Dr. Diana Liverman School of Geography, Development and Environment	Safe and just targets for people and the planet



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Afternoon Session 2-A Presentations
ENR2 S107 | 2:15pm–4:00pm | Thursday, September 30

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Time	Presenter	Title
2:15–2:25	Dr. Kacey Ernst The Mel and Enid Zuckerman College of Public Health	Health in the face of global change- building community resilience
2:25–2:35	Dr. Charles Gerba Department of Environmental Science	Water Quality and Health in a Changing World
2:35–2:45	Hannah Friedrich School of Geography, Development and Environment	Satellite image analysis for anticipatory research and planning at flood-prone informal settlements
2:45–2:55	Dr. Rohit Mukherjee School of Geography, Development and Environment	High-resolution satellite imagery to train and validate deep learning models for mapping urban inundation extent
2:55–3:05	Dr. Christopher Castro Hydrology and Atmospheric Sciences	High-resolution forecasting of extreme events in semi-arid to arid environments out to the sub-seasonal timescale
3:05–3:15	Dr. Jonathan Sullivan School of Geography, Development and Environment	Satellite imaging reveals increased proportion of population exposed to floods
3:15–3:25	Dr. Abu Kibria Arizona Institutes for Resilience, School of Natural Resources and the Environment	The influence of development on the adaptation response to climate change in small coastal cities
3:25–3:35	Dr. Sabrina Helm Norton School of Family and Consumer Sciences	Consumer Adaptation and Resilience in the Context of Climate Change
3:35–3:45	Dr. Benjamin Lawrence History Department	What About Widows? Violence, Refuge, and Resilience in Sub-Saharan African Widow Asylum Claims
3:45–3:55	Dr. Brian Mayer School of Sociology	Community Resilience: Integrating Culture, Networks, and Governance for Disaster Risk Reduction



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Afternoon Session 2-B Presentations
ENR2 S225 | 2:15pm–4:00pm | Thursday, September 30

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Time	Presenter	Title
2:15–2:25	Dr. Adam Henry School of Government and Public Policy	Policy Networks and Learning for Sustainable Development
2:25–2:35	Dr. Sharon Megdal Water Resources Research Center, Department of Environmental Science	Water resilience challenges for groundwater-dependent communities along the United States-Mexico Border
2:35–2:45	Dr. Aletheia Ida & Susannah Dickinson School of Architecture	Climate Change and Design for Resiliency and Adaptation in the Built Environment
2:45–2:55	Dr. Mette Brogden Human Rights Practice	Orange economy as an approach to resilience and addressing climate change in the South
2:55–3:05	Dr. Jennifer Post School of Music	Sonic Practices and Resilience: Cultural Forms and Ecological Knowledge in Mongolia
3:05–3:15	Amelia Natoli The Mel and Enid Zuckerman College of Public Health	Using the Tarjimly interpretation app to enhance refugee integration and communication at Iskashitaa Refugee Network and worldwide.
3:15–3:25	Dr. Lysette Davi Honors College	Do students need to be resilient in the classroom? Leveraging Cultural Humility in Online Learning
3:25–3:35	Dr. Adriana Zuniga-Teran School of Landscape Architecture and Planning, Udall Center for Studies in Public Policy	Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales
3:35–3:45	Dr. Winslow Bureson School of Information	Justice Equity Diversity Inclusion (JEDI) Inventioning: Socio-Technical Convergence Catalysts Empowering Humanitarian Engineering
3:45-3:55	Dr. Joaquin Ruiz RII Biosphere 2	The University of Arizona-Arava-JNF Institute



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