

KRIPA AKILA JAGANNATHAN

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I am an interdisciplinary scientist trained in both the environmental and social sciences. I have 15 years of research and professional experience working on climate resilience & adaptation. My work focuses on improving the usability of science for decision-making and facilitating coproduction of actionable knowledge projects that bring together scientists and practitioners.

EDUCATION

PhD in Energy & Resources , University of California (UC) Berkeley, CA. Thesis: Ready-to-use? - Bridging the climate science-usability gap for adaptation	2015 -19
MS in Energy & Resources , University of California (UC) Berkeley, CA. Thesis: Examining adaptation practices through the lens of Ecosystem-based Adaptation projects	2013 - 15
MS in Environmental Studies , TERI School of Advanced Studies, New Delhi, India.	2004 - 06
BS in Botany (Honors) , Gargi College, Delhi University, New Delhi, India.	2001 - 04

RESEARCH EXPERIENCE

Lawrence Berkeley National Laboratory (LBL) , <i>Research Scientist</i> (Aug 2021 – Present), <i>Postdoctoral Research Scholar</i> (Aug 2019 – Jul 2021), <i>Graduate Student Researcher</i> (Jul 2014 – May 2019)	
<ul style="list-style-type: none">Research areas include science of actionable knowledge, coproduction of science, climate change resilience & adaptation.Co-lead for the scientist-practitioner engagements in the US Department of Energy (DOE) funded co-production of science projects Hyperion – ‘Understanding hydroclimate data with use-inspired metrics’ and HyperFACETS – ‘Framework for Improving Analysis and Modeling of Earth System and Intersectoral Dynamics at Regional Scales’.Co-lead for the stakeholder engagement in the California Energy Commission (CEC) funded project “Climate Scenarios and Analytics to Support Electricity Sector Vulnerability Assessment and Resilient Planning”.	
University of Michigan - School for Environment and Sustainability , <i>Research Collaborator</i> (2021-Present), <i>Postdoctoral Research Fellow</i> (2019 – 2020)	
<ul style="list-style-type: none">Lead scientist for Adaptive Capacity assessment in the National Academies of Sciences project “Making Gulf Communities More Resilient: Scaling-up Customized Vulnerability Assessment for Extreme Events in Gulf Cities” to work with 60 cities in the Gulf coast and examine how access to tailored climate data and tools impacts adaptive capacity of the cities.Lead social scientist for the National Oceanic and Atmospheric Administration (NOAA) project to “Inform Better Communication & Uptake of NOAA Great Lakes Ice Forecast Information”.	

RELATED PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers Pvt. Ltd., India. <i>Manager - Climate Change & Sustainability</i>	(Jul 2007 – Sept 2012)
Assignments involved analyzing climate change impacts, developing adaptation strategies, identifying carbon mitigation opportunities, developing carbon market projects, undertaking climate change training and capacity building activities, etc.	
SenergyGlobal Private Limited, India. <i>Senior Analyst - Carbon Credits</i>	(Feb 2006 – Jun 2007)
Developed carbon market projects for wind energy installations across India.	

SELECT PUBLICATIONS

1. Araos, M.*, Jagannathan, K.* , Shukla, R., et al. (2021). Equity in Adaptation: A Systematic Global Review. <i>One Earth</i> , 4 , 1454-1467 *signifies equal contribution.
2. Jagannathan, K. , Jones, A.D., and Ray, I. (2021). The making of a metric: Co-producing decision-relevant climate science for water management. <i>Bulletin for American Meteorological Society</i> . <i>102(8)</i> , E1579-E1590.
3. Jagannathan, K. , Jones, A.D., and Kerr, A.C. (2020). Implications of climate model selection for projections of decision-relevant metrics: A case study of chill hours in California. <i>Climate Services</i> . <i>18</i> , 100154.
4. Jagannathan, K.* , Arnott, J. C.*, Wyborn, C., Klenk, N., Mach, K. J., Moss, R. H., and Sjoström, K. D. (2020). Great expectations? Reconciling the aspiration, outcome, and possibility of co-production. <i>Current Opinion in Environmental Sustainability</i> , <i>42</i> , 22-29. *signifies equal contribution.

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5. Ulibarri, N., Ajibade, I., Galappaththi, E., **Jagannathan, K.**,... et al (2021). A Global Assessment of Policy Tools to Support Climate Adaptation. *Climate Policy: 1-20*.
6. Berrang-Ford, L., Siders, A.R., **Jagannathan, K.**,.....at al. (2021). A systematic global stocktake of evidence on human adaptation to climate change. *Nature Climate Change. 11, 989–1000*.
7. Mach, K. J., Reyes, R.S., Pentz, B., Taylor, J., Costa, C., Cruz, S., Thomas, K.E., Arnott, J.C., Donald, R., **Jagannathan, K.**, Kirchoff, C., Rosella, L.C., and Klenk, N. (2021) News media coverage of COVID-19 public health and policy information. *Nature Humanities & Social Sciences Communications 8*, 220 (2021).
8. Lemos, M., Arnott, J... **Jagannathan, K.**,et al. (2018). To co-produce or not co-produce. *Nature Sustainability, 1*, 722-24
9. Milman, A., and **Jagannathan, K.** (2017). Conceptualization and implementation of ecosystems-based adaptation. *Climatic Change, 142* (1-2), 113-127.

PRESENTATIONS

1. **Jagannathan, K.**, Araos, M., et al. “Equity in adaptation responses: A systematic global review”. American Geophysical Union (AGU) Annual Meeting 2021. New Orleans, LA.
2. **Jagannathan, K.**, “Towards Increasing Justice, Equity, Diversity, and Inclusion (JEDI) and Community Engagement in Climate Research: Challenges, Opportunities, and Successes”. Panelist. AGU Annual Meeting 2021. New Orleans, LA.
3. **Jagannathan, K.**, Jones, A.D., and Buddhavarapu, S. “Typologies of Actionable Climate Information and its Use”. American Geophysical Union (AGU) Fall meeting 2020.
4. **Jagannathan, K.**, “Emerging innovations in co-production”. Workshop on Addressing the “Practitioners’ Dilemma”: Evaluating Climate Information for Practical Applications in the Water Sector. Aspen Global Change Institute.
5. **Jagannathan, K.**, Jones, A.D., Ray, I. “The making of a metric: Co-producing decision-relevant climate science for water management”. AGU Fall meeting 2019. San Francisco, CA.
6. **Jagannathan, K.** “Emerging Scholars in Conversation: Climate Policy for Sustainable Agriculture and Natural Resource Management”. Panelist. UC Department of Agriculture and Natural Resources Symposium on Advancing Climate Change Policy and Environmental Justice in California. Oct 7 & 8 2019, Elkus Ranch, CA
7. **Jagannathan, K.** “Climate Vulnerability and Adaptation: New Directions in Identifying Users and Needs for Climate Information Services”. Panelist. American Association of Geographers Annual Meeting 2018. New Orleans, LA.

HONORS

1. LBL Earth and Environmental Sciences Area Early Career Development Award 2021-22.
2. Philomathia Graduate Fellowship in Environmental Sciences 2018-19 and 2017-18.
3. UC President’s Global Food Initiative Fellowship 2017-18 and 2016-17.
4. UC Division of Agriculture and Natural Resources (UCANR) Graduate Student in Extension Fellowship 2015-16.

MEMBERSHIPS, SERVICE AND LEADERSHIP

1. Memberships: AGU Executive Committee Member: Social & Behavioral Sciences Lead for Science and Society Section (2020-present), American Association of Geographers (AAG), American Association of Adaptation Professionals (ASAP),
2. Author for the Fifth US National Climate Assessment (NCA5) for the chapter on Complex Systems (2021-present)
3. Co-lead for the working group on Science of Actionable Knowledge (‘SOAK’) (2019-present)
4. IPCC Contributing Author for two Adaptation Chapters– Working Group II, Sixth Assessment Report. (2018-2021)
5. Conference Session Convenor:
 - Science and Society: Social and Behavioral Sciences I and II, AGU Fall Meeting 2021
 - Science and Society: Social and Behavioral Sciences II Oral, AGU Fall Meeting 2021
 - Science and Society: Social and Behavioral Sciences I, AGU Fall Meeting 2020
 - The science of actionable knowledge for decision making. NCSE Annual conference 2020
6. Member of UC Berkeley’s ERG Alumni Justice, Equity, Diversity and Inclusion (JEDI) Working Group – (2021 -present)
7. Reviewer for several journals including: *Frontiers in Climate*, *Climatic Change*, *One Earth*, *Global Environmental Change*, *Environmental Science and Policy*, *Bulletin of the American Meteorological Society*, etc.
8. Grant reviews for National Estuarine Research Reserve System & National Oceanic and Atmospheric Administration.