

Patricia Solís, PhD

EDUCATION

2002 **PhD Geography**, University of Iowa; 1996 **MA Geography**, 1994 **BS Physics, BA German**, Kansas State University; 1992–1993 Study Fellowship at ETH Zürich, Switzerland.

CURRENT APPOINTMENTS

Research Professor, School of Geographical Sciences and Urban Planning; Executive Director, Knowledge Exchange for Resilience, Knowledge Enterprise, **Arizona State University**; Faculty Affiliate with the School for the Future of Innovation in Society, Health Observatory, Senior Global Futures Scholar, Julie Ann Wrigley Global Futures Laboratory, Urban Climate Research Center; Co-Founder and Director, **YouthMappers®** since 2015; Adjunct Faculty, Texas Tech University Department of Geosciences.

DISTINGUISHED LEADERSHIP SERVICE

2021-2025 President, PanAmerican Institute of Geography and History of the Organization of American States, scientific diplomatic appointment via US Department of State; 2022-2025 National Councilor, American Association of Geographers; 2022 National Research Council Panelist, *Toward a Vision for a New Federal Data Infrastructure*; 2017-2020 Fulbright Specialist Roster of Experts (Politecnico di Milano 2018); Served on 5 National Science Foundation Panels, frequent ad hoc reviewer; Editorial Board Member, *Geographical Review & Professional Geographer*.

SUMMARY OF RESEARCH PRODUCTIVITY

Produced more than 60 peer reviewed or refereed publications, 45 percent as first author, in flagship journals such as *Annals of the Association of American Geographers*, *Professional Geographer*, *Progress in Human Geography*, *Applied Geography*, *Remote Sensing*, *Geographical Review*, *International Journal of Cartography*, *GeoJournal*, *Environment and Planning B*, *Journal of Geography in Higher Education*, *Journal of Geographical Systems* *Journal of Geography*, etc.; Co-edited 2 books from major publishers: P.Solís & M.Zeballos (2023) *Open Mapping towards Sustainable Development Goals: Voices of YouthMappers on Community Engaged Scholarship*, Springer DOI:10.1007/978-3-031-05182-1 and B.McCusker, A.Waquar, M.Ramutsindela & P.Solís (2022) *The Routledge Handbook of Development and Environment*, Routledge 978-1-138-32566-1. Published 32 other scholarly works, white papers, research agendas, reports, etc.; Collaborated with 178 co-authors, including 56 percent from majoritization nations and international students & faculty.

RESEARCH FUNDING

Won competitive externally supported projects from 24 distinct sponsors including 13 US federal government agencies. Total amount received for projects as Co-Investigator sums \$74,062,336 awarded since 2003; Amount attributed as Principal Investigator, aka designed, proposed, won, and led, research projects sums \$19,672,297 on 34 awards. Examples of recent major project funding titles include: (as PI) *YouthMappers Open Geospatial Data Activity*, US Agency for International Development GeoCenter and YouthPower programs, \$7.5M; (Co-I) Arizona Research Center for Housing Equity & Sustainability, Department of Housing and Urban Development, \$3M;

Senior Personnel, National Science Foundation Southwest Futures Innovation Engine, Knowledge Translation & Community Partnership Team, \$2M; Senior Personnel, Southwest Urban Corridor Integrated Field Laboratory, CoLead for Resilient Solutions, Department of Energy, \$16M.

EDUCATIONAL ACTIVITIES

Design and instruction in full formal curriculum for 15 undergraduate and graduate courses in upper level topics, e.g. *Urban Sustainability & Development*, *Sustainable Development Strategies, Resources and the Environment*, *Urban Resilience Mapping*, *Open Mapping for Resilience*; Development and instruction in alternative credit-bearing formats, i.e. Study Abroad, Discovery Seminar, Independent Study, Capstone, Internship Credit, Individualized Instruction, Special Topics, Executive Education; 32 research assistants trained, 52 mentorships via undergrad honors, grad student research projects & postdocs, including service as member of 14 theses & dissertation committees; Co-Founded YouthMappers® with 420+ university-based chapters in 80+ countries serving 5,000+ students; Visited 40 countries; Conducted 27 international in-person workshops in places like Panama City, La Paz, Pretoria, Muscat, Katmandu, Bangkok, etc. & 41 in United States.

NOTABLE KEYNOTES, PRESENTATIONS & MEDIA

Invited Speaker, United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), *Seventh High-level Forum on United Nations Global Geospatial Information Management*, Mexico (2024); Keynote Speaker at FOSS4G Florence, Italy (2022), Voices that Inspire Panelist at the FEMA National Resilience Forum hosted by the Sundance Institute, online (2024); Plenary Welcome Speaker, Extreme Heat Summit, Federation of American Scientists, Washington, DC (2024); and 182 paper or panel presentations in many venues. Media interviews & research featured: *New York Times*, *National Geographic*, *Washington Post*, *Reuters*, *Los Angeles Times*, *The New Yorker*, *NBC Nightly News*, *The Today Show*, *NPR*, and more.

IMPACT AND CREATIVE SCHOLARLY PRODUCTS

US Patent No. US 12,314,296 B1 (2025) granted for Knowledge Alliance Tool: Systems and Methods for Facilitating Formation of University-Community Partnerships, Co-Inventors M.Mathews & B.Karna; Registered Trademark, YouthMappers®, No. 5.203.611, USPTO Class 41, Ser. No. 87-165,163 (2033); Contributions to development of (2024) US Census *Community Resilience Estimates (CRE) for Heat*, Federal Dataset, bit.ly/CensusCRE4HEAT; Key legislative scientific testimony for passage of (2024) Arizona State Law for Heat Protections of Tenants (HB2146) (2024); P.Solís, et al. (2024) *Recommendations Report to the Office of the Governor on Extreme Heat Preparedness in Arizona*, at <https://hdl.handle.net/2286/R.2.N.191546>; Altmetric score of 418.

SELECTED HONORS & RECOGNITIONS

2024 American Association of Geographers Honors Media Achievement Award; 2024 Innovation in GIScience Education Award UCGIS; 2023 President's Award for Global Engagement Arizona State University; 2021 American Association of Geographers Ronald F. Abler Distinguished Service Honors; 2018 Enlaces Award, Conference of Latin Americanist Geographers; 2015 National Council for Geographic Education Outstanding Support for Geography Award; 2013 Kansas State University Alumni Fellow; 2007 National Science Foundation International Research Fellow.