

Initial Accomplishments

The first two years

Eric W. Welch

Director

Mary K. Feeney

Associate Director



23+ publications

20+ conference papers

7 invited talks

\$900,000+

total funding

10 funded projects

10+ surveys conducted

25+ proposals submitted

10 project reports

9 Ph.D. students funded

2 completed dissertations

3 undergraduate students funded

3 postdoctoral scholars

5 visiting scholars

Our work focuses on the study of science as a social phenomenon—science as the core of things that happen technologically, environmentally and through policy.

Having settled into our workspace at University Center on the downtown ASU campus, CSTEPS is happy to have established a number of successful projects and exciting collaborations with colleagues and students. Our team prides itself on using an apprenticeship model to train junior scholars to conduct high-quality rigorous research and then work collaboratively to train other team members.

In addition to the accomplishments highlighted in this newsletter, we are developing new collaborations and research proposals with colleagues at University of Illinois at Chicago, Georgia Tech, USAID, the American Indian Policy Institute (ASU), the University of Kansas, and USDA.

Research areas

Bioeconomy policy
Digital government
Innovation dynamics
R&D evaluation
Social and human capital
Transit and mobility

@csteps_asu
csteps.asu.edu

A primary goal of CSTEPS is to use research experiences to train, mentor, support, and guide graduate students toward independent research careers

CSTEPS has provided mentoring, work space, equipment, software, funding, advising, travel support, co-authorship opportunities, data, and other resources to the following School of Public Affairs Ph.D. students: Leonor Camarena, Seong Kyung Cho, Federica Fusi, Rashmi Krishnamurthy, Sang Eun Lee, Won No, Chul Hyun Park, Gabel Taggart, and Fengxiu Zhang.

CSTEPS provided travel and tuition support for Ph.D. student, Federica Fusi, to attend the Interuniversity Consortium for Political and Social Research (ICPSR), Summer 2016.

CSTEPS students have developed a department-wide Ph.D. student group that meets to discuss research, practice job talks, and get feedback on presentations.

Student Accomplishments:

- 3 passed comprehensive exams
- 2 dissertation defenses
- 2 dissertation proposal defenses

CSTEPS has provided research training and travel support for students to attend a variety of conferences including: Atlanta Science & Technology Conference, Association for Public Policy Analysis & Management, Midwest Political Science Association, Urban Affairs Association, Public Management Research Conference, Science of Team Science, Academy of Management, Transportation Research Board, and more.

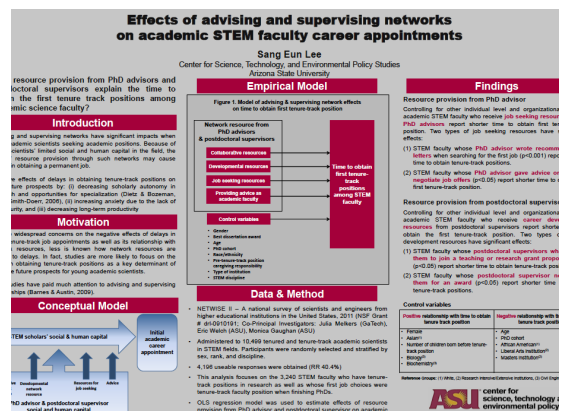
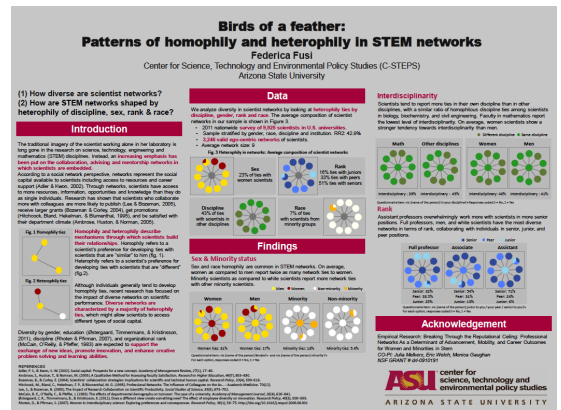
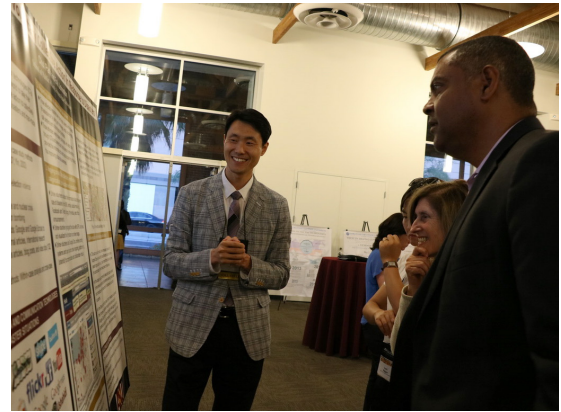
CSTEPS faculty and students provided logistical support for the 2015 International Digital Government Society Conference.

Funded Postdoctoral Scholars:

- Dr. Yamini Jha
- Dr. Qing Miao
- Dr. Aseffa Seyoum Wedajoo

Visiting Scholars

- Dr. Selim Louafi, European Union Marie Curie Fellowship
- Dr. Daniele Manzella





Team members actively collaborate on a variety of research projects

Recent Data Collection Efforts

Institutional and Organizational Factors for Enabling Data Access, Exchange and Use Aims – 6 case studies (GCDT & ITPGRFA)

Contested Resource Inputs to Science: How Institutional Provisions on the Access & Use of Materials & Data Affect Research Collaboration Structures & Outcomes – Survey of 7,500 scientists (NSF)

National Study of Technology Use in Local Governments – Multi-year survey of 2,500 government managers (CSTEPS)

Transit Agency Adaption to Extreme Weather Events: Cataloging and Modeling Decisions and Behavior – 4 case studies and a national survey of 892 managers in 273 transportation agencies across the U.S. (USDOT)

Potential & Emerging Impacts of the Changing Institutional Landscape on the Global Exchange of Generic Resources for Food and Agriculture – 6 Innovation Lab case studies (75 interviews) and a survey of national and international scientists working in 14 Innovation Labs (USAID)

Climate Change Assessment of Facilitators and Barriers Germplasm Flows (CCAFS) between the GGIAR (Consultative Group of International Agricultural Research) Centres, CGIAR partners and other end users (Bioversity International)

Workshops

Using Network Analysis to Evaluate Team Science, Science of Team Science Annual Conference, May 2016

Capacity Building for the International Treaty on Plant Genetic Resources: Data Analysis and Social Network Training for Burkina Faso, Ivory Coast, Guatemala, Costa Rica Research teams, Rome, Italy, May 2015

Invited Talks

Biopreservation and Biobanking Roundtable

Copenhagen Business School, Denmark

Harvard-Yenching Institute

Humphrey School of Public Affairs, University of Minnesota

Mannheim Business School, Germany

Maxwell School, Syracuse University

US Agency for International Development

Bellagio Conference on Plant Genetic Resources, Italy

CSTEPS projects are funded by local, national, & international sponsors:

Bioversity International

Center on Agriculture Research for Development

Climate Change, Agriculture & Food Security

Chicago Transit Authority

Consultative Group for International Agricultural Research

Global Crop Diversity Trust

International Treaty on Plant Genetic Resources for Food and Agriculture

National Science Foundation

United Nations

U.S. Agency for International Development

U.S. Department of Agriculture

U.S. Department of Transportation

Recent Publications

- Fusi, F, & Feeney MK. (forthcoming). Social Media in the Workplace: Information Exchange, Productivity, or Waste? American Review of Public Administration.
- Grimmelikhuisen, SG, & Feeney MK. (forthcoming). Developing and testing an integrative framework for open government adoption in local governments. Public Administration Review.
- Hayter, C, & Feeney, MK. (forthcoming). Determinants of external patenting behavior among university scientists. Science and Public Policy. doi: 10.1093/scipol/scw037
- Kim, KW, Welch, EW, Johnson, T. (forthcoming). Human & Social Capital Determinants of Translational Activity in Medical Sciences Science and Public Policy.
- McWilliams, A, Parhankangas, A, Coupet, J, Barnum, D & Welch EW. (forthcoming). Managing the Triple Bottom Line: Using DEA to Address Social Responsibility. Business Strategy and the Environment.
- Singh, G, Louafi, S and Welch, EW. (in press). Implementation of the Nagoya Protocol for the Research Sector: Experiences and Challenges. International Environmental Agreements: Politics, Law and Economics.
- Feeney, MK and Brown, A. 2016. Are small cities online? Content, ranking, and variation of U.S. municipal websites. Government Information Quarterly.
- Feeney, MK, & Welch, EW. 2016. Technology-task coupling: Exploring social media use and managerial perceptions of e-government. American Review of Public Administration 46(2):162-179.
- Park, CH, Welch, EW, & Sriraj, PS. 2016. An integrative theory-driven framework for evaluating travel training programs. Evaluation and Program Planning, 59(4):7-20.
- Wang, S & Feeney, MK. 2016. Determinants of information and communication technology use in municipalities. American Review of Public Administration 46(3):292-313.
- Welch, EW, Feeney, MK, & Park, CH. 2016. Determinants of data sharing in US city governments. Government Information Quarterly, 33(3):393-403.
- Welch, EW and Jha, Y. 2016. Network and perceptual determinants of satisfaction among science and engineering faculty in US Research I universities, Journal of Technology Transfer, 41(2), 290-328.
- Seyoum, A, & Welch, EW. 2015. Ex-post Use Restriction and Benefit-Sharing provisions on Access to Non-Plant Genetic Materials for public research. Applied Economic Perspectives and Policy. DOI: 10.1093/aep/ppv003
- Wu, Y, Welch, EW, & Huang, WL. 2015. Commercialization of University Inventions: Individual and Institutional Factors Affecting the Near-Term Licensing of University Patents Technovation, 36-37: 12-25.



center for
science, technology and
environmental policy studies

ARIZONA STATE UNIVERSITY

csteps.asu.edu

@csteps_asu



bioeconomy policy
social and human capital
innovation dynamics
digital government
r & d evaluation
transit and mobility

Dr. Eric W. Welch
Director

Dr. Mary K. Feeney
Associate Director

