

Julie Risien

December 2022

I. Education

Ph.D., Oregon State University, Corvallis, OR, Environmental Sciences (Social Science)	2018
M.S., Oregon State University, Corvallis, OR, Marine Resource Management	2006
B.A., Prescott College, Prescott, AZ, Environmental Studies (Marine Ecology)	2002

II. Employments and Appointments

Director, Transdisciplinary Research (OSU, Research Office)	2022 –
Director, Polar STEAM Initiative (OSU, STEM Research Center)	2022 –
Graduate Faculty, Environmental Sciences (OSU)	2018 –
Graduate Faculty, College of Earth, Ocean and Atmospheric Sciences (OSU)	2006 –
Associate Director, STEM Research Center (OSU)	2012 – 2022
Faculty Researcher, Institute for Natural Resources (OSU)	2010 – 2012
Regional Planning, Research & Fellowships Coordinator, Oregon Sea Grant (OSU)	2006 – 2010
Graduate Student and Teaching Assistant in Oceanography (OSU)	2004 – 2006
Marine Conservation Specialist, U.S. Peace Corps, Koror, Republic of Palau	2002 – 2004
Marine Program Coordinator, Environment Now Foundation, Santa Monica, CA	2000 – 2002
Programs Director, Santa Monica BayKeeper, Santa Monica, CA	1999 – 2000

III. Primary Administrative and Strategic Leadership

- Direct design and development of the OSU Research Impact and Advancement Academy. Includes a comprehensive needs assessment, socialization and collaboration with campus leaders, and alignment with the needs of national funding organizations.
- Represent the Research Office on campus including with the Associate Deans for Research Advisory Council, the Office of Inclusivity and Diversity, Presidents Council of Deans, and Faculty Affairs.
- Represent OSU in national venues including the Association of Public and Land Grant Universities, Promotion and Tenure in Innovation and Entrepreneurship, Center for Advancing Research Impacts in Society, American Association for the Advancement of Sciences, Ecological Society of America, and the National Academies of Sciences, Engineering and Medicine.
- Lead and support large complex collaborative proposals. Includes working as a collaborator on large interdisciplinary center and institute proposals, providing early reviews, and participating as a reviewer on OSU “red teams”.
- Lead conceptualization and limited submission proposal of transdisciplinary effort for OSU to serve as the facilitator of the NSF Polar STEAM initiative. Awarded on Sep 1, 2022 this effort is a collaboration between the OSU Arts and Education Center (in the College of Liberal Arts) , Precollege Programs, the College of Earth Ocean and Atmospheric Sciences, and the STEM Research Center. Polar STEAM is designed in alignment with the OSU Strategic Plan 4.0.
- Led organizational development of the OSU STEM Research Center with a current active extramural supported portfolio >\$12M across 15 multi-organization collaborative projects. Established and oversee financial, human resources, space procurements systems and procedures. Supervise 5 direct reports, support and mentor an additional 5 Senior Researchers.

- Built and maintained relationships with OSU Deans, administrators, and faculty to support collaborative efforts around STEM reforms and STEM Learning Research.
- Led STEM Research Center organizational reports, budget requests, 5-year review and strategic development for Center including generating meaningful measures for Center success beyond currently available metrics.
- Lead the NSF Advancing Research Impacts in Society (ARIS) Center “Scholarship Initiative” to advance the quality and availability scholarship on broadening the impact of research. Includes oversight of competitive ARIS Fellows professional development program serving 48 Fellows to date.
- Conference Chair National Alliance for Broader Impacts 5th Annual Summit 2017, Skamania, WA.
- Led design and facilitation of OSU-wide initiative events with STEM Research Center Director including: 2012 Broader Impacts Invitational with VPR and VPO&E; 2014 Re-defining Undergraduate Success with AVPAA; Director IR, VP Undergraduate Studies; 2018 Inclusive Excellence @OSU Kick-off with OID and College of Science.
- Chaired 13 search committees since 2014 and actively participated in executive searches (AVPSA and E-campus Research Director as search advocate; AVP/Dean Graduate School; and SAVPR as chair)
- Provost appointed lead on the OSU Research Impacts Network (ORIN) in partnership with VPR and VPO&E from 2015-2018. The goal was to improve processes, communication, and accessibility related to existing tools for developing high quality research impacts associated with the OSU research enterprise to fulfill Strategic Plan 3.0.
- Led three-state stakeholder process 2006-2009 to identify Pacific coast large marine ecosystem research priorities for NOAA, in collaboration with the West Coast Governors Association, tribal governments, regional Sea Grant programs, and community and industry partners.
- Coordinated development and led stakeholder process of Oregon Sea Grant 2010-2013 Strategic Plan including engagement of statewide government, industry and public stakeholders in alignment with NOAA’s national strategic plan.
- Work in collaboration across units and institutions on large scale grants developing logic models, program management and evaluation plans including recent proposals: NSF Science and Technology Center (with Peter Clark in CEOAS); NSF/USDA Artificial Intelligence Institute and NRT (with Brett Tyler in Center for Genome Research and Biocomputing); and INCLUDES (with SVPAA, Dwaine Plaza in CLA and Martin Storksdieck); NSF Bioinformatics Institute (with Joseph Spatafora in College of Ag. Sciences).

IV. Current and Recent Service

National

- Advisory Board, APLU Civic Science Initiative *Modernizing Scholarship for the Public Good*
- Workshop Planning Committee for NASEM *Promotion, Tenure, and Advancement through the Lens of 2020: The Next Normal*.
- Convocation Planning Committee on NASEM *Re-envisioning Promotion and Advancement for STEM Faculty: Aligning Incentives with Values*
- Communication Strategy Co-Lead, APLU *Public Interest Research (PIR) Initiative*
- Organizing consultant and active participant *Support Systems for Scientists’ Communication and Engagement: An Exploration of the People and Institutions Empowering Effective Impact* a series of five

national meetings funded by private foundations (Kavli, Rita Allen, David & Lucille Packard, Gordan & Betty Moore)

- Advisory Board on NSF RCN *Undergraduate Field Experiences Research Network (UFERN)*
- Steering Committee on NSF RCN *National Alliance for Broader Impacts (NABI)*
- Advisory Board on NSF INCLUDES *Study of Online Scientific and Scholarly Communities for Broadening Participation in STEM*
- Expert Advisor on NSF funded “*Netweaver*” Network

Oregon State University

- Advisory Board, appointed by Graduate School, *Environmental Sciences Graduate Program*
- Leadership Committee, NSF I-Corps National Coalition *Innovation and Entrepreneurship Promotion and Tenure* and analogous OSU committee member appointed by the Vice President for Research.

Community

- Appointed Member, City of Corvallis Climate Action Advisory Board
- Founding Member, Corvallis Northside Art Collective
- Management Team, Corvallis Composite Mountain Bike Team, National Interscholastic Cycling Association

V. Contributions to Diversity, Equity, Inclusion, and Social Justice

- Orchestrated investment in a full-time DEI focused research staff at the STEM Research Center (2022)
- Served as invited reviewer of the OSU College of Science DEI strategy (2021)
- Trained and active equity and inclusion advocate for OSU faculty/professional searches (2012-present)
- Initiated STEM Research Center equity and inclusion self-study and continuing processes to build understanding of difference and power in the Center office environment and expand our research footprint to more directly address STEM equity and inclusion (2018)
- Established STEM Research Center policy to meaningfully include external Search Advocates in all hiring processes (2018)
- Led collaborative and interactive processes with STEM Research Center staff to update our Center mission to better align with institutional and Center collective values around DEIA and social justice (2018-2022)
- Invited facilitator in OSU Social Justice Education Initiative (2017)
- Mentored and hosted PROMISE interns over three years; this program promotes professional experiences for students of minority status (2014-2016)
- Shifted my own research and programmatic portfolio to more directly address issues of power, privilege, and broadening representation in STEM and retention of minoritized faculty and students especially with regards to student engagement and faculty reward and advancement.

VI. Grant Funded Research and Programs

Current Funding

2022 – 2027 Principal Investigator

Polar STEAM: Where Curiosity Thrives. OSU Institutional proposal to facilitate NSF Polar STEAM programs under a Cooperative Agreement. NSF Division of Geoscience and Division of Research on Learning **\$4,000,000**

2021 – 2024. Principal Investigator

Authentic Research through Collaborative Learning (ARC-Learn): Undergraduate Research Experiences in Data Rich Arctic Science. Partnership with College of Earth Ocean Atmospheric Sciences and Linn-Benton Community College. NSF Division of Geosciences **\$587,462**

2019 – 2023. Co-Principal Investigator, Research, OSU Lead

STEM Ambassadors: Supporting Scientists' Engagement with Public Audiences
NSF Division of Research on Learning, Award 1906408, total amount **\$977,089**

2018 – 2022. Principal Investigator

Revealing Progress toward Promotion and Tenure Reform in the Academy
The Kavli Foundation total amount **\$70,000**

2018 – 2023. Co-Principal Investigator, Scholarship Initiative Lead, OSU Lead

Center for Advancing Research Impacts in Society: The ARIS Center
The NSF Office of Integrative Affairs, Award 1810732, total amount **\$5,200,000**

Selected Previous

2019 – 2023. Leadership Team

Innovation and Entrepreneurship Summit: A Seismic Shift in Promotion and Tenure (+supplement)
NSF Division of Computer and Network Systems, Award 1936073, total amount **\$526,122**

2018 – 2022. Project Manager

Inclusive Excellence at Oregon State University
Howard Hughes Medical Institute, total amount **\$1,000,000**

2017 – 2022. Co-Principal Investigator, Research Lead

Grounding Institutional Partnerships in Structures for Broader Impacts Design.
NSF Division of Research on Learning, Award 1612808, OSU collaborative award amount **\$466,753**

2018 – 2021. Evaluation Advisor

Center for Advancement of Informal Science Learning (CAISE)
NSF Division for Research on Learning, Award 1612739, total amount **\$3,665,639**

2017 – 2018. Principal Investigator

Landscape Overview of University Systems & People: Supporting Scientists' Public Engagement
Rita Allen Foundation, total amount **\$13,033**

2014 – 2018. Research Lead, Dissertation

Transformative Learning Network: Case Study of the National Alliance for Broader Impacts
Partial funding through University of Missouri NSF, Award 1408736, and Kavli Foundation

2014 – 2018. Project Manager, across Colleges of Engineering, Education, and Science

ESTEME@OSU: Enhancing STEM Education at OSU
NSF Division of Undergraduate Education, Award 1347817, total amount **\$1,999,987**

2013. Researcher

STEM principal investigators perceptions and practice of broader impacts

Contract through NSF Division for Research on Learning Supplement, Award 1212803

2010 – 2012. Project Co-Manager

Ecosystem Services, Collaborative web-based Community of Practice

USDA Forest Service, USDA Office of Environmental Markets, U.S. Environmental Protection Agency, and the U.S. Geological Survey

2006 – 2009. Regional Coordinator

West Coast Large Marine Ecosystem Research and Information Needs Assessment

National Oceanic and Atmospheric Administration, Award NA06OAR4170201, total OSU award **\$500,000**

VII. Products and Scholarship

Refereed Publications and Book Chapters

Risien, J., Cater, R., Mundorff, K., Bouwma-Gearhart, J. (2023). Promotion, tenure and equity: A departmental self-assessment and reform planning tool. *Proceedings of the 2022 Promotion and Tenure in Innovation and Entrepreneurship National Summit* (accepted).

Risien, J., Montgomery, B. and Cho, H. (2023). The lived experiences of minoritized faculty: navigating a flawed tenure system and making change (in preparation).

Risien, J., Hoke, K., Storksdieck, M., Davis, C. and Klein, E. (2022). A dynamic framework for making sense of partnerships between universities and informal education providers (submitted).

Risien, J., Hoke, K. and Fleming, T. (2023). Institutional Infrastructures to Enhance Broader Impacts. In (Eds.) VanEgeren, L. and Renoe, S. *The Scholarship of Engagement Book Series: Handbook for Broader Impacts* (in press). East Lansing, MI: Michigan State University Press.

Risien, J., Carter, R., Mundorff, K. (2022). Advancing equity and transparency in promotion and tenure meso-level processes. *Proceedings of the Promotion and Tenure in Innovation and Entrepreneurship National Conference*. Corvallis, OR: Oregon State University (in preparation)

Cater, R.G., Mundorff, K., **Risien, J.**, Bouwma-Gearhart, J. and others (2021). Innovation, entrepreneurship, promotion, and tenure. *Science*, 373(6561), 1312-1314.

DOI: [10.1126/science.abj2098](https://doi.org/10.1126/science.abj2098)

Risien, J. and Goldstein, B.E. (2020). Boundaries Crossed and Boundaries Made: The productive tension between learning and influence in transformative networks. *Minerva*, 1-25.

DOI: [10.1007/s11024-021-09442-9](https://doi.org/10.1007/s11024-021-09442-9)

Hill, L.B., **Risien J.**, Opoczynski, R., Austin A.E. and Miller, E. (2020). Collaborative Engagement in Higher Education Reform Networks: Applying a Framework to Understand Network Dynamics. *American Educational Research Association Annual Proceedings*.

Risien, J. (2019). Curators and sojourners in learning networks: Practices for transformation. *Evaluation and program planning*, 73, 71-79.

DOI: [10.1016/j.evalprogplan.2018.12.001](https://doi.org/10.1016/j.evalprogplan.2018.12.001)

Risien, J. and Storksdieck, M. (2018). Unveiling Impact Identities: A Path for Connecting Science and Society, *Integrative and Comparative Biology*, Volume 58, Issue 1, 1 July 2018, Pages 58–66.

DOI: [10.1093/icb/icy011](https://doi.org/10.1093/icb/icy011)

Skvoretz, J., **Risien, J.** Goldberg, B. (2018). Network Measurement and Data Collection Methods in Higher Education: Practices and Guidelines. In (Eds.) Henderson, C., Rasmussen, C., Knaub, A.,

- Apkarian, N., Daly, A.J., & Fisher, K.Q. *Researching and Enacting Change in Postsecondary Education: Leveraging Instructors' Social Networks* (Vol. 28). New York, NY: Routledge.
- Goldstein, B.E., Chase, C., Frankel-Goldwater, L., Osborne-Gowey, J., **Risien, J.**, & Schweizer, S. (2017). Transforming with a Soft Touch: Comparing Four Learning Networks. *Systems Research and Behavioral Science*, 34(5), 537-543.
DOI: [10.1002/sres.2479](https://doi.org/10.1002/sres.2479)
- Risien, J.** and Tilt, B. (2008). *A Comparative Study of Community-based Sea Turtle Management in Palau: Key Factors for Successful Implementation*. *Conservation and Society*, 6(3): 225–237. DOI: [10.4103/0972-4923.49215](https://doi.org/10.4103/0972-4923.49215)

White Papers, Reports, Strategic Development Documents

- Risien, J.**, Nilson, R., Storksdieck, M., & Hoke, K. (2022). *BID partnership pulse check: Survey tool for monitoring partnership health* Corvallis, OR: STEM Research Center. DOI: <https://doi.org/10.5399/osu/1155>
- Hoke, K., & **Risien, J.** (2021). *Grounding Institutional Partnerships in Structures for Broader Impact Design: Summative Evaluation Report*. STEM Research Center: Oregon State University.
<https://doi.org/10.5399/osu/1151>
- Cho, H. & **Risien, J.** (2020). *Understanding faculty and student perceptions about reward and advancement: survey of four STEM departments at research intensive universities*. Corvallis, OR: STEM Research Center. DOI: [10.5399/osu/1145](https://doi.org/10.5399/osu/1145)
- Hoke, K. & **Risien, J.** (2019) *Collaborative Research: Grounding Institutional Partnerships in Structures for Broader Impact Design Mid-Way Evaluation Report*. Corvallis, OR: Center for Research on Lifelong STEM Learning. DOI: [10.5399/osu/1136](https://doi.org/10.5399/osu/1136)
- Hoke, K. and **Risien, J.** (2019). *Visualizing Connections and Influences across the Informal Science Education and Science Communication Communities: An interactive map of thinkers and leaders*. Washington, D.C.: Center for Advancement of Informal Science Education
<https://khoke.kumu.io/visualizing-connections-and-influences-across-the-ise-and-scicomm-communities>
- Risien, J.** & Nilson, R. (2018). *Coordinated Reform and Local Solutions: Transforming the University Systems of Reward and Professional Advancement*. Corvallis, OR: Center for Research on Lifelong STEM Learning. DOI: [10.5399/osu/1134](https://doi.org/10.5399/osu/1134)
- Storksdieck, M., Bevan, B., **Risien, J.**, Nilson, R., & Willis, K. (2018). *Charting the Intersection of Informal STEM Education and Science Communication: Results of a Social Network Study*. Washington, DC: Center for Advancement of Informal Science Education.
http://informalscience.org/sites/default/files/CAISE-Social-Network-Study-2018_0.pdf
- Risien, J.** & Nilson, R. (2018). *Landscape overview of university systems and people supporting scientists in their public engagement efforts: summary of existing recommendations and evidence from the field*. Report to the Kavli, Rita Allen, Packard, and Moore Foundations. DOI: [10.5399/osu/1128](https://doi.org/10.5399/osu/1128)
- Risien, J.** (2017). The National Alliance for Broader Impacts, in eds. B.E. Goldstein *Transformative Learning Networks: Guidelines and Insights for Netweavers*. Network of STEM Education Centers
<https://serc.carleton.edu/StemEdCenters/178058.html>
- Risien, J.**, Falk, J.H., and Storksdieck, M. (2014). *Redefining Undergraduate Success at Oregon State University: Report from Spring 2014 Invitational Workshop*. DOI: [10.5399/osu/1127](https://doi.org/10.5399/osu/1127)

- Risien, J.**, and Falk, J.H. (2013). STEM principal investigators perceptions and practice of broader impacts: Front-end report for the Center for the Advancement of Informal Science Education November 2013 Convening in Washington, D.C. DOI: [10.5399/osu/1122](https://doi.org/10.5399/osu/1122)
- Risien, J.** & Falk, J.H. (2013). *Broader Impacts: Towards a Strategic Approach for Oregon State University*. DOI: [10.5399/osu/1132](https://doi.org/10.5399/osu/1132)
- Brandt, S. (**Risien, J.** Editor and plan coordinator). *Oregon Sea Grant 2010-2013 Strategic Plan*. Oregon Sea Grant, Corvallis, OR. [PDF Available](#)
- Risien, J.** (Editor) (2009). *West Coast Regional Marine Research and Information Needs*. Oregon Sea Grant, Corvallis, OR. [PDF available](#)

Media and Features

- Julie Risien** and Eve Klein (2022). Stop, Collaborate and Listen! A six episode podcast series about partnerships from the Broader Impacts Design Collaborative. Produced by Jessica Sawyer with consultation from Julia Furman. Available in November <https://open.spotify.com/show/0MhKudMt9zRS5gvpodlq3w?si=e534cfebc1174a2b>.
- Julie Risien** (2018). Social Impacts of Science. *Think Out Loud* live radio show. Portland, OR: Oregon Public Broadcasting <https://www.opb.org/radio/programs/thinkoutloud/segment/kids-first-project-impacts-of-science-rape-kit-backlog/>
- Julie Risien** (2016). Broader Impacts. *Research in Action* podcast, Episode #35. <https://ecampus.oregonstate.edu/research/podcast/e35/>
- Julie Risien** (May 2015). Perspectives: Discovering our "Research-Impact" Identities. *Terra Magazine: Inspired Stories from the Edge of Science*. Corvallis, OR: Oregon State University. <http://terra.oregonstate.edu/2015/05/perspectives-discovering-our-research-impact-identities/>

VIII. Invited Keynotes, Presentations, and Workshops

Keynotes

- 2019 (Dec). *Building a Legacy of Impact: Blurring the Boundary between Science and Society* University-wide Grants and Sponsored Research Symposium, Arizona State University, Tempe, AZ.
- 2018 (Nov). *Preparing Ocean Sciences Students for the Science and Society Connection* Ocean Sciences Educators Network annual retreat, Corvallis, OR.
- 2018 (Oct). *Empowering Scientists to Transform Public Impacts* Annual meeting of Senior Research Officers, Association of Pacific Rim Universities, San Diego, CA.

Speaker, Panelist, Moderator

- 2022 (July). *Let Knowledge Serve Oregon: Engaged Research to Inform Policy*. Speaker/Panelist. APLU Council on Research annual meeting.
- 2021 (Oct). *What Constitutes Excellence in Science? Changing Reward Systems*. Speaker/Panelist. AAAS 46th Annual Forum on Science & Technology Policy
- 2021 (Aug). *Breaking through barriers: Academic reward and recognition systems to support inclusive scholarship, teaching, and engagement*. Speaker/Panelist. Ecological Society of America (ESA) Annual Conference, Virtual.
- 2020 (Apr). *The Motivation Dimension: The National Alliance for Broader Impacts*

- Panelist (accepted paper). American Educational Research Association (AERA) San Francisco, CA
 2020 (Feb). *Transforming Higher Education Culture: Coordinating Reform with Agents of Change*
Speaker/Panel Moderator AAAS Annual Conference, Seattle, WA.
- 2019 (Jun). *Reclaiming the Public's Trust through Public Engagement in Research*
Panelist. Association of Public and Land-Grant Universities Joint meeting of the Council on
 Economic and Community Engagement and the Council on Research, State College, PA.
- 2018 (Oct). *Communicating to Fulfill Public Responsibility and Enhance Trust*
Panelist. Association of Pacific Rim Universities international meeting, San Diego, CA.
- 2018 (Sep). *Charting the Intersection of Informal STEM Education and Science Communication*
Speaker. Center for Advancement of Informal Science Education, Evaluation and Measurement Task
 Force convening, Chevy Chase, MD.
- 2018 (Feb, Mar, May). *University Systems & People: Existing Recommendations & Evidence from the Field*
Speaker (3 events). Support Systems for Scientists' Communication and Engagement Workshop
 Series Hosted by the Kavli, Moore, Rita Allen, and Packard Foundations, Chevy Chase, MD., La Jolla,
 CA., and Monterey, CA.
- 2017 (Apr). *Broader Impacts Evaluation Planning and Practice*
Panelist. National Alliance for Broader Impacts Annual Summit, Skamania, WA.
- 2013 (Nov). *Broader Impacts + Informal Science Education, STEM Investigators Perceptions and Practice*
Speaker. NSF and Center for Advancement of Informal Science Education, Arlington, VA.
- 2009 (Nov). *Developing a research & information plan for the California Current Large Marine Ecosystem*
Speaker. West Coast Governors' Association Convening on Ocean Health, Seattle, WA.
- 2007 (Jul). *Stakeholder Engagement in the California Current Large Marine Ecosystem*
Speaker/Panelist. NOAA Large Marine Ecosystem Initiative meeting, Silver Springs, MD.
- 2006 (Mar). *The Cultural Context of Conservation*
Speaker. National Ocean Sciences Bowl Regional Competition, Corvallis, OR.

Workshops

- 2021 (Jun). *Promotion and Tenure: Continuing to Evolve Systems of Academic Reward & Advancement*
Workshop Lead. Transforming Institutions Conference of the Accelerating Systemic Change
 Network, Virtual.
- 2020 (Feb). *Broader Impacts 101*
Workshop Co-lead with Kevin Niemi. AAAS Annual Conference Seattle, WA.
- 2019 (Dec). *Broader Impacts 101 and Unveiling Broader Impacts Identity*
Workshop co-lead with Jory Weintraub. University of Arizona, Tucson and Arizona State University,
 Tempe, AZ.
- 2018 (Jan). *Developing a Broader Impacts Identity: It's All about You(r Strengths)!*
Workshop Co-lead with Martin Storksdieck. NSF/ISWoop, Interpreters and Scientists Working on
 Our Parks, San Francisco, CA.
- 2017 (Jul). *Strategic Campaign Building: Applying a Systems Lens*
Speaker and Workshop Leader. Clean Rivers Coalition Regional Meeting, Keizer, OR.
- 2015 (ongoing). *Unveiling Impact Identities Workshop Series*
Workshop Leader. Delivered to universities and at national conferences upon request.