

Digital Portfolio Essentials

MACH SPLC February 2026

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Today's Presentation

01 | Why Create a
Digital Portfolio

02 | Essential
Components

03 | Curating an
Engaging
Portfolio

04 | Content
Maintenance &
Formatting

05 | Next Steps

06 | Tips

Why create a digital portfolio?



Visibility



Collaboration



Confidence

Let's start with some examples

Carolyn Kousky

AboutWritingsMediaProjectsBooksResources

In the coming decades, risk management will be central to economic and social progress. We are at an inflection point where our failure to take early and strong action on climate change and environmental degradation has locked us into a range of escalating risks. Risk management is most successful when it carefully unites risk education and communication, risk reduction, and risk transfer. Carolyn thinks about these integrated aspects of risk management to improve social and environmental outcomes. She believes the multiple crises now gripping our planet are not small and require broad and deep attention from all sectors. Her research and policy work focuses on analyzing the challenges, developing innovative solutions, finding pathways to scale impact, and developing cross-sector and cross-disciplinary partnerships focused on securing positive change.

CV



Adam PollackAboutNowPublicationsTeachingCV

I am an Assistant Professor in the [School of Earth, Environment and Sustainability at the University of Iowa](#). My research on flood risk management aims to produce actionable insights for infrastructure design and public policy.

I previously worked as a postdoc and research scientist in the [Keller Lab Group](#) in the Thayer School of Engineering at Dartmouth College. I completed my Ph.D. in the Earth and Environment Department at Boston University under the supervision of [Christoph Nolte](#) and [Ian Sue Wing](#). I earned my B.S. and M.S. in Applied Mathematics and Statistics from Stony Brook University.

I have interests outside of academia, mostly involved with being outside or cooking, eating, and sharing food. Along the theme of risk, some of my favorite hobbies include skiing (downhill and xc), hiking, cycling, and backpacking. Food-wise, I once operated [Long Island](#)

Adam Pollack

Bob KeppLabBioCVBlogContactQ

Bob Kepp

Climate and sea-level scientist and climate policy scholar at Rutgers

I am a climate and sea-level scientist and a climate policy scholar. I serve at [Rutgers University](#) as a distinguished professor in the [Department of Earth & Planetary Sciences](#). I lead Rutgers' [Earth System Science and Policy Lab](#); please see the Lab website if you are interested in our work or in joining our team.

Show desk

Manasa BollempalliAboutResearchTeachingCVin

Hello!

My name is Manasa and I am a Postdoctoral researcher at Department of Human Ecology, Rutgers University. My focus is on climate mobilities and I am a member the NSF CoRe MACH project, which is a multi-institutional endeavor to design an adaptive decision framework for changing coastal hazards in NJ, NYC, and Philly.

I have a Doctorate specializing in climate related migration from the Division of Global Affairs, Rutgers University. My dissertation, *Off the map: Climate as a New Security Border*, examined the security implications of climate migration; you can read more about it [here](#).

Previously, as a Climate Strategist with the [B Team](#), I led global policy efforts on climate, just transition, and nature within UNFCCC, G20, and G7 frameworks.

Let's start with some examples

Accessible contact form,
writings and briefs
grouped by topic

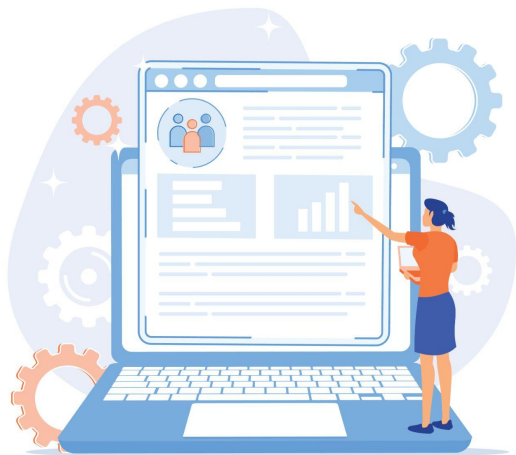
Navigation bar,
hyperlinks,
good example of how to display
a lot of experience

“Now” page,
nicely formatted
publications,
CV embedded into webpage

Use of humor &
easy to read introduction

Setting up your portfolio

Who is your audience?



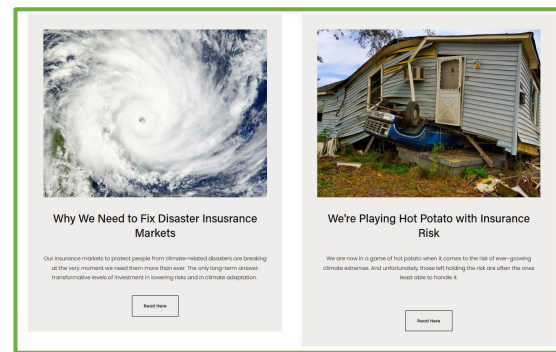
What is the purpose of your portfolio?

An introduction to you & your research!

My research focuses on understanding uncertainty in past and future climate change, with major emphases on sea-level change, the interactions between physical climate change and the economy, and the use of climate risk information to inform decisionmaking.

Quality over quantity

- What information can be gleaned by skimming each page?
- Can someone find what they are looking for in 1-2 clicks?
- If YOU were hiring someone what would you look for?



Selected Publications

Insurance and Risk Transfer

- Carolyn Kousky and Hannah K. Friedrich (2025), "What is the Future of State-Created Insurance Programmes?" *Journal of Catastrophe Risk and Resilience*, 3: article 1.
- Kousky, C. and L. Medders (2024), *The Evolution of Florida's Public-Private Approach to Property Insurance*. Florida Policy Project, Environmental Defense Fund, and Appalachian State University, April.
- You, X. and C. Kousky (2024), "Improving Household and Community Disaster Recovery: Evidence on the Role of Insurance." *Journal of Risk and Insurance*, 91(2): 299-338.
- Kousky, C. and J. W. Lockwood (2024), "Leveraging Insurance for Decarbonization." *Journal of Catastrophe Risk and Resilience*, February.
- Mulder, P. and C. Kousky (2023), "Risk Rating without Information Provision." AEA Papers and Proceedings, 113: 299-303.
- Kousky, C. and K. French (2023), *Inclusive Insurance for Climate-Related Disasters: A Roadmap for the United States*. Boston, Ceres: January.
- French, K. and C. Kousky (2021), "The Effect of Disaster Insurance on Community Resilience: A Research Agenda for Local Policy." *Climate Policy*, DOI: 10.1080/14693062.2023.2170393.
- Conell-Price, L., C. Kousky, and H. Kunreuther (2022), "Encouraging Resiliency Through Auto-Enrollment in Supplemental Flood Insurance Coverage." *Journal of Risk and Insurance*.

Flood and Disaster Risk

- Kousky, C. and You, X. (2024), "The Role of Insurers in Driving more Post-hurricane Risk Reduction Investments." *npj Natural Hazards* 136.
- Kousky, C. and N. R. Netuveli (2023), "Flood Insurance Literacy and Flood Risk Knowledge: Evidence from Portland, Oregon." *Risk Management and Insurance Review*.
- Gourevitch, J., C. Kousky, Y. Liao, C. Nolte, A. B. Pollack, J. R. Porter, and J. A. Weil (2023), "Unpriced climate risk and the potential consequences of over-valuation in US housing markets." *Nature Climate Change*.
- Wing, O. E. J., W. Lehman, P. D. Bates, C. C. Sampson, N. Quinn, A. M. Smith, J. C. Neal, J. R. Porter, and C. Kousky (2022), "Inequitable Patterns of US Flood Risk in the Anthropocene." *Nature Climate Change*.
- Kousky, C., M. Palm & Y. Pan (2020), *Flood Damage and Mortgage Credit Risk: A Case Study of Hurricane Harvey*. *Journal of Housing Research* 29.
- Wing, O., N. Pinter, P. Bates, and C. Kousky (2020), "New insights into US flood vulnerability revealed from flood insurance big data." *Nature Communications* 11:1444.
- Kousky, C., L. Ritchie, K. Tierney, and B. Ungle (2019), "Return on Investment Analysis and Its Applicability to Community Disaster Preparedness Activities: Calculating Costs and Returns." *International Journal of Disaster Risk Reduction* 41.
- Wilson, M. T. and C. Kousky (2019), "The Long Road to Adoption: How Long Does It Take to Adopt Updated

Content

Work samples

- Writing samples
- Research projects
- Publications
- Presentations (recordings are a bonus)
- Current PDF of your CV

Research statement/problem

- What are you currently working on?
- What is next for your research?

Content Maintenance & Formatting

Maintenance

- Update frequently
- Consider embedding documents vs links
- Set a calendar reminder

Formatting

- Accessibility
 - Color blind ([online tool](#))
 - High contrast
 - Descriptive text for photos
- Font (sans serif)
- Left aligned text
- Mobile friendly

Promoting your profile

When formatting your page...

- Link to other project websites
- Include your LinkedIn
 - Link this back to your portfolio too!
- Make it clear where these links are (icons, colored text, etc) can draw attention to them.

Modeling Storm Scenarios for Flood Hazard Analyses



Pravin Maduwantha



Amirmasoud Amini

Leads: [Pravin Maduwantha](#), [Amirmasoud Amini](#)

Counselors: [Ning Lin](#), [Thomas Wahl](#)

Most flood events are not caused by rainfall or storms alone. Rather, when multiple factors like storm surge, rainfall, and the volume of water flowing through nearby rivers (known as river discharge) combine, they create what is known as a compound flood event. This research project, led by Pravin

Maduwantha and Amirmasoud Amini, supports the MACH region's [street-level flood hazard analysis](#) by generating storm scenarios that are then used as inputs for compound flood models. The team builds a large collection of synthetic, but realistic, storms using physics-based models and statistical techniques. When building these synthetic storm data sets, they focus on how different types of storms, like tropical cyclones (hurricanes) and winter storms (nor'easters), produce rain to better understand rainfall patterns and potential impacts to river flows. These estimates, in turn, are used in flood model simulations to better understand and prepare for future flood risks.

[← Go back to the Coastal Climate Risk Focus Area](#)



Bob Kopp

Climate and sea-level scientist and climate policy scholar at Rutgers University's Dept. of Earth & Planetary Sciences and Rutgers Climate & Energy Institute.

Email

Bluesky

Google Scholar

ORCID

I am a climate and sea-level scientist and a climate policy scholar. I serve at [Rutgers University](#) as a distinguished professor in the [Department of Earth & Planetary Sciences](#). I lead Rutgers' [Earth System Science and Policy Lab](#); please see the Lab website if you are interested in our work or in joining our team.

I direct the [Megalopolitan Coastal Transformation Hub](#) (MACH), an NSF-funded consortium led by Rutgers. MACH works within the Philadelphia-New York City-New Jersey region to both 1) facilitate flexible, equitable, and robust multidecadal planning to manage climate risk, and 2) advance the scientific understanding of how interactions among coastal climate hazards, changing landforms, and human decisions shape climate risk.

I'm one of the directors of the [Climate Impact Lab](#), a



Sara Santamaria-Aguilar • 1st

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2w • 🌐

I'm excited to share the launch of our Street-Level Flood Hazard Analysis project page on the Coastal Hub website! 🌐

As part of MACH's Coastal Climate Risk work, we're developing high-resolution, probabilistic models to assess compound flooding, capturing the combined effects of storm surge, rainfall, and river discharge at the street scale in Gloucester City and Philadelphia, PA.

Our goal is to deliver more detailed, decision-ready data to support adaptation planning and strengthen resilience efforts.

This project is shaped through collaboration with local partners to ensure results directly support community needs and priorities.

Learn more 🗨️

<https://lnkd.in/ecg9CHPn>

[#CompoundFlooding](#) [#ClimateRisk](#) [#FloodModeling](#) [#CoastalResilience](#)
[#MACH](#) [#UrbanPlanning](#) [#ClimateAdaptation](#)



Street-level Flood Hazard Analysis

coastalhub.org



Tara Collins (she/her/ella) ✓ • 1st

Supporting Climate Science with data, collaboration, and persistence
2w • 🌐

Give this a read. I'm elevating the research and solution-based research of [Sara Santamaria-Aguilar](#), a member of the @MACH Team and passionate about her [#climatescience](#) field of choice. Over 80 MACH scientists, researchers and partners are collaborating, identifying and exploring pathways to community resilience. [#floodrisks](#) [#extremeweather](#) [#weatherimpacts](#)



Sara Santamaria-Aguilar • 1st

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2w • 🌐

I'm excited to share the launch of our Street-Level Flood Hazard Analysis project page on the Coastal Hub website! 🌐
... more



Street-level Flood Hazard Analysis

coastalhub.org

Next steps

Gather content for your portfolio

- CV
- Research statement
- Photo(s)
- Recorded presentations
- Writing samples
- Links
 - affiliated pages/profiles
 - projects
 - news and media



Adam Pollack About Now Publications Teaching CV

Tips for documenting research (on your CV or resume)

Research content for your portfolio

- List the institution, department and name of your advisor
- Include a few statements that overview your research, with particular attention to the purpose of your research, relevant findings and conclusion.
 - What makes your research “cutting edge”?
- Avoid 1st person narrative
- Aim for truncated summaries with articulate and careful word choice

Source: *Crafting a Killer Resume: What Industry Employers Want* (2008) Postdoctoral Professional Development Seminar. Johns Hopkins Medicine

Describing your professional experiences

Consider organizing “Experience” or “Research Experience” into more specific categories for the reader (and for you!):

- Field Research Experience
- Lab Research Experience
- Outreach Experience
- Formal Teaching Experience
- In-Formal Teaching Experience
- Mentoring Experience

- Highlight results and accomplishments, not just tasks
- Use commanding language (action verbs):

Pioneered • Designed •
Delivered • Initiated •
Redesigned • Introduced

Photos

- High quality photo
- Clean background
- Wearing appropriate clothing

Professional photos will be offered to you at the annual meeting in May!



Already an expert?

**Sign up to review a
peer's CV/Resume!**

