

ALLISON CRIMMINS

Executive Director, Industry Proving Ground, National Oceanic and Atmospheric Administration
Director, Fifth National Climate Assessment
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A climate scientist known for advancing the conversation, convening diverse teams of experts, and developing innovative scientific products that address complex policy needs. Motivated to leverage and synthesize collective expertise to build lasting climate solutions that lead to a safer, healthier, more just future.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Washington, D.C.

Executive Director, Industry Proving Ground, National Environmental Satellite, Data, and Information Service, National Centers for Environmental Information (NESDIS/NCEI)

Oct 2024 – Present

- **Program Leadership:** Establishing the vision for improving delivery of NOAA climate data and services to U.S. industries and enhancing broad use of NOAA's trusted and authoritative weather and climate information.
- **Senior Advisor:** Facilitating high-priority internal coordination and decision-making; providing strategic-level guidance and direction to NOAA and Department of Commerce leadership to ensure effective and efficient operational execution of the IRA-funded Industry Proving Ground and Climate Ready Nation programs.
- **Strategic Engagement:** Managing collaborative cross-office, interagency, and external engagement on behalf of NOAA and the Department of Commerce, including continuous engagement with three industry sectors (Architects and Engineers; Insurance and Reinsurance; and Retail) and their working groups.
- **Scientific Integrity Officer:** Ensure information quality, transparency, and integrity for NESDIS line office.
- **Program Planning:** Develop and implement detailed programmatic plans, including fiscal management, risk assessment, and external communications. Prepare reports and deliver briefings to senior management on objectives, operations, budget, personnel, and accomplishments.

WHITE HOUSE OFFICE OF SCIENCE AND TECHNOLOGY POLICY (OSTP)

Washington, D.C.

Director, National Climate Assessment

Jul 2021 – Mar 2024

Executive Office of the President, U.S. Global Change Research Program

(on detail from EPA)

- **National and Organizational Leadership:** Set goals and strategic vision for the [5th National Climate Assessment](#). Transformed the assessment development process to produce and deliver an improved and impactful product, on time, as Chair of the Federal Steering Committee.
- **Coalition Building:** Built, led, trained, and managed nearly 850 climate experts from across the country to build something bigger than the sum of our parts. Coordinated with fourteen federal agencies on consensus approval of the assessment; liaised with Executive Office of the President and other agency principals.
- **Communication and Engagement:** Briefed agency officials and organized public engagement and outreach to build awareness, improve accessibility, and meet the evolving needs of an ever-broadening audience.
- **Creative Solutions:** Pioneered new assessment processes such as updating guidance on the use of Indigenous Knowledge, a more inclusive approach to ensure author diversity, and the first [public call for art](#).
- **Founding Strategy:** Vice Chair of the Federal Steering Committee for the first National Nature Assessment.

U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

Washington, D.C.

Science Coordinator, Office of Air and Radiation

Jul 2019 – Oct 2024

Environmental Scientist, Office of Air and Radiation, Climate Change Division

Oct 2011 – Jul 2019

- **Strategic Planning:** Quantified climate change impacts to inform agency officials, federal liaisons, and congressional representatives on agency policies. Led coordination of cross-agency research and priorities, including Inflation Reduction Act funding and Justice 40 environmental justice and equity programs.
- **Policy Development:** Evaluated environmental health information, such as Cumulative Impacts, to represent policy objectives in EPA's Science and Technology Policy Council and Scientific Advisory Board. Supported rulemaking including Greenhouse Gas Endangerment Finding, Clean Power Plan, and benefit-cost analysis.

- **Risk Analysis:** Coordinating EPA science and risk assessment analyses (e.g., PFAS) and developing updated agency guidelines as a member of the Risk Assessment Forum and Human Health Oversight Committee. Assessed risk and benefits of mitigation as co-lead of EPA’s [Climate Impacts and Risk Analysis](#).
- **Creative Leadership:** Built assessment development process for the [U.S. Climate and Health Assessment](#), including public engagement and review processes, as Director and chair of the Federal Steering Committee.
- **Scientific Assessment:** Author on the 4th National Climate Assessment; government reviewer for Intergovernmental Panel on Climate Change Sixth Assessment Reports and 3rd National Climate Assessment.

REMEDY PLAN THERAPEUTICS

Vice President of Strategy

Gaithersburg, MD

Feb 2015- Jul 2021

- **Founding Strategy:** Established founding business mission, branding, and strategic vision for Remedy Plan Therapeutics, a cancer drug development biotech company, as a part-time and unpaid employee.
- **Business Development and Investor Relations:** Led business development, scientific planning, investor strategy, financial management and budgeting, event planning, and human resources.
- **Fundraising:** Co-managed \$15M Seed/Series A raises for clinical preparation of first lead drug compound.
- **Branding and Communication:** Led brand management, development, and dissemination of all communication materials, including website, quarterly investment updates, pitch decks, and newsletters.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Communications Officer, MIT Joint Program on the Science and Policy of Global Change

Cambridge, MA

May 2010 – Oct 2011

STOCKHOLM ENVIRONMENT INSTITUTE

Independent Consultant, Climate and Energy Program

Somerville, MA

2008 – 2010

HARVARD UNIVERSITY

Greenhouse Gas Reduction Researcher, Office of Sustainability

Course Assistant, Environmental Economics, Harvard Kennedy School (Prof. Robert Stavins)

Cambridge, MA

2009 – 2010

UNIVERSITY OF CALIFORNIA SANTA CRUZ

Research Assistant & Lab Manager (Prof. Ana Christina Ravelo)

Santa Cruz, CA

2006 – 2008

Public Service:

Mycelium Youth Network: Advisory Council

Biden for President Climate Energy and Environment Policy Committee (2020)

500 Women Scientists: e.g., Developed Wikipedia pages for female scientists to improve representation, reviewed draft policy memos for Prioritizing Diversity in Science Policy Writing workshop

Youth engagement in STEM: e.g., National Academies “Ask a Scientist”, Smithsonian Museum summer sleepovers, judging school science or entrepreneurial fairs, speaking at local elementary and high school classrooms, etc.

Education

HARVARD UNIVERSITY, John F. Kennedy School of Government

Master of Public Policy, International and Global Affairs; Thesis advisor: Robert Stavins

- Coursework in international relations, environmental economics, energy and climate change policy analysis, carbon pricing and emissions trading, diplomacy, and comparative politics
- Policy Analysis Exercise for the Center for Clean Air Policy: *A Framework for Building an Integrated Global Carbon Market: Prospects for Linking Domestic Emission Trading Systems*

SAN FRANCISCO STATE UNIVERSITY, Moss Landing Marine Laboratory

Master of Science, Oceanography/ Marine Science; Thesis advisor: Dr. Kenneth Coale

- Thesis: *A Multi-proxy Paleoclimatic Reconstruction of Monterey Bay, CA During the Past 32ky*
- Coursework in chemical, physical, biological, geological oceanography, statistics (quantitative marine science)
- Graduate Assistant: Advanced Topics in Oceanography, Climate Change, Paleoceanography

MICHIGAN STATE UNIVERSITY, Lyman Briggs School; Honors College

Bachelor of Science, Environmental Biology, Concentration in Marine Biology, Science and Technology Studies

Full list of publications available at [ResearchGate](#)

Fifth National Climate Assessment (NCA5): nca2023.globalchange.gov (now available at <https://nca5.climate.us>)

USGCRP, 2023: Fifth National Climate Assessment. **Crimmins**, A.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, B.C. Stewart, and T.K. Maycock, Eds. U.S. Global Change Research Program, Washington, DC. <https://doi.org/10.7930/NCA5.2023>.

- Director; Lead Editor; and Federal Coordinating Lead Author on the [Overview](#) chapter; Focus on [Compound Events](#), [Western Wildfires](#), [COVID-19 and Climate Change](#), [Risks to Supply Chains](#), [Blue Carbon](#); [Appendix 1: Assessment Development Process](#), [Appendix 3: Scenarios and Datasets](#), [Appendix 5: Glossary](#).
- Developer of the first [NCA Atlas](#), an interactive online tool that allows users to map climate projections. See short video of briefing to President Joe Biden on NCA5 and the Atlas on [White House Instagram channel](#).
- Founder and juror for [Art x Climate](#), the first public call for art in the National Climate Assessment.
- Producer and host of the [NCA5 Companion Podcast](#), which showcases the perspectives of NCA5 authors.

Scientific Assessment Publications (prior to 5th National Climate Assessment)

Ebi, K.L., J.M. Balbus, G. Luber, A. Bole, A. **Crimmins**, G. Glass, S. Saha, M.M. Shimamoto, J. Trtanj, and J.L. White-Newsome. 2018. Human Health in *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. [U.S. Global Change Research Program](#), Washington, DC. pp. 539–571.

Dzaugis, M.P., ... **Crimmins**, et al. 2018. Appendix 5. Frequently Asked Questions in *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. [U.S. Global Change Research Program](#), Washington, DC.

USGCRP, 2016: *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. **Crimmins**, A., J. Balbus, J.L. Gamble, C.B. Beard, J.E. Bell, D. Dodgen, R.J. Eisen, N. Fann, M.D. Hawkins, S.C. Herring, L. Jantarasami, D.M. Mills, S. Saha, M.C. Sarofim, J. Trtanj, and L. Ziska, Eds. [U.S. Global Change Research Program](#).

Crimmins A, Balbus J, Gamble JL, Beard CB, Bell JE, Dodgen D, Eisen RJ, Fann N, Hawkins MD, Herring SC, Jantarasami L, Mills DM, Saha S, Sarofim MC, Trtanj J, Ziska L. 2016. Executive Summary. *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. [USGCRP](#), Washington, DC, 1-24,

Balbus, J., A. **Crimmins**, J.L. Gamble, et al., 2016: Ch. 1: Introduction: Climate Change and Human Health. *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. [USGCRP](#), Washington, DC, 25–42.

Ziska, L., A. **Crimmins**, A. Auclair, S. DeGrasse, J.F. Garofalo, A.S. Khan, I. Loladze, A.A. Pérez de León, A. Showler, J. Thurston, and I. Walls, 2016: Ch. 7: Food Safety, Nutrition, and Distribution. *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. [USGCRP](#), Washington, DC, 189–216.

Gamble, J.L., J. Balbus, M. Berger, K. Bouye, V. Campbell, K. Chief, K. Conlon, A. **Crimmins**, et al., 2016: Ch. 9: Populations of Concern. *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. [USGCRP](#), Washington, DC, 247–286.

Crimmins, A., J. Balbus, J.L. Gamble, D.R. Easterling, K.L. Ebi, J. Hess, K.E. Kunkel, D.M. Mills, and M.C. Sarofim, 2016: Appendix 1: Technical Support Document: Modeling Future Climate Impacts on Human Health. *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment*. [USGCRP](#), Washington, DC, 287–300.

Essays, Briefs, and Book Chapters

Crimmins, A., Avery, C., Grade, A., eds. (2025) Special Issue: Advancements in US Climate Assessments. [Climatic Change](#).

Crimmins, A. 2022. Art x Climate: A Call for Art to Support the Upcoming Fifth National Climate Assessment. [White House Blog \(archived\)](#).

Crimmins, A. 2022. Valuing climate change impacts on human health, in *Global Climate Change and Human Health: From Science to Practice, 2nd edition*. eds. Knowlton and Emery. [Wiley Publications](#).

Science and Technical Advisor for the Lancet Countdown on Health and Climate Change, [2020 Policy Brief for the United States of America](#), 2018-2020, Salas RN, Knappenberger Lester P, Hess JJ, London, United Kingdom. Author on [Compounding Crises of Our Time During Hurricane Laura](#): Climate Change, COVID-19, and Environmental Injustice.

Why the next president should establish a Department of Climate. [Vox](#), July 21, 2020; updated [November 11, 2020](#).

When It Comes to Climate Change, Grief Is More Useful Than Empty Nostalgia, [Catapult Magazine](#), August 27, 2019.

Recent Scientific Articles, Letters, and Reports (Full list of publication at ResearchGate)

- Crimmins, A., Avery, C.W., Reidmiller, D.R., Grade, A.M.** 2025. Innovations in the climate assessment development process. *Climatic Change*. 178, 175 (2025).
- Lustig, A.R., Grade, A., Grecni, Z.N., Hoffman, J.S. Matouka, N., Meeker, D., Novak, R., Parris, A., **Crimmins, A.** 2025. Public engagement in climate assessment: lessons and opportunities. *Climatic Change* 178, 107 (2025).
- Conrad-Rooney, E., Avery, C., Bowser, G., **Crimmins, A.**, Grade, A., McElwee, P., Templer, P. 2025. Analysis of nature-related themes and terminology in U.S. climate assessments. *Climatic Change*, 178, 86.
- Basile, S., **Crimmins, A.**, Lipschultz, F., Kunkel, K., Marvel, K., Terando, A., Tebaldi, C., Pierce, D., Su, W., Leung, L., Hayhoe, K. 2025. Projections of future climate for U.S. national assessments: past, present, future. *Climatic Change*, 178, 84.
- Lustig, A., **Crimmins, A.**, Snyder, M., Tanner, L., van Coller, I. 2025. Bringing art and science together to address climate change. *Climatic Change*, 178, 47.
- Avery, C., **Crimmins, A.**, Lustig, A., Lamb, A., Fuller, I., Lemery, C., Grade, A., Barrie, D. 2025. Navigating complex waters: Designing a process for the development of the National Climate Assessment. *Climatic Change*, 178, 44.
- Easterling, D., Kunkel, K., **Crimmins, A.**, Wehner, M. 2024. Long-term planning requires climate projections beyond 2100. *Nature Climate Change*. 14, 887–888.
- Basile, S., Avery, C., Grade, A., **Crimmins, A.** 2024. To be policy-relevant, future climate research must include the noncontiguous United States, *Proceedings of the National Academies*, 121:13, e2315505121.
- Tallis, H., **Crimmins, A.**, Lubchenco, J. 2023. Charting a path for the National Nature Assessment, *Frontiers in Ecology and the Environment*, 21:2, 61-108.
- Crimmins A.** 2020. Improving the use of calibrated language in U.S. climate assessments. *Earth's Future*. 8:11.
- Beach R, Sulser T, **Crimmins A**, et al. 2019. Combining the effects of increased atmospheric CO₂ on protein, iron, and zinc availability and projected climate change on global diets. *The Lancet Planetary Health*. 3:7. 307-317.
- Achakulwisut P, Anenberg S, Neumann J, Penn S, Weiss N, **Crimmins A**, et al. 2019. Effects of Increasing Aridity on Ambient Dust and Public Health in the U.S. Southwest under Climate Change. *GeoHealth* 3:5. 127-144.
- Sanderson B, Wobus C, Zarakas C, **Crimmins A**, Sarofim M, Weaver C. 2019. Informing future risks of record-level rainfall in the United States. *Geophysical Research Letters* 46.
- Martinich J and **Crimmins A.** 2019. Estimating climate damages and adaptation potential across diverse U.S. sectors. *Nature Climate Change*. 9. 397-404.
- Ziska L, Makra L, ..., **Crimmins A**, et al. 2019. Temperature-related changes in airborne allergenic pollen abundance and seasonality for the northern hemisphere. *The Lancet Planetary Health*. 3:3. 124-131.
- Neumann J, Anenberg S, Weinberger K... **Crimmins A**, et al. 2018. Estimates of present and future asthma emergency department visits associated with exposure to oak, birch, and grass pollen in the United States. *GeoHealth*. 3:1. 11-27.
- Wobus C, Zarakas C, Malek P, Sanderson B, **Crimmins A**, Kolian M, Sarofim M, Weaver CP. 2018. Re-framing future risks of extreme heat in the United States. *Earth's Future*. 6:9. 1323-1335.
- Mills D, Jones R, Wobus C, ... **Crimmins A**, et al. 2018. Projecting Age-Stratified Risk of Exposure to Inland Flooding and Wildfire Smoke in the United States under Two Climate Scenarios. *Environmental Health Perspectives*. 126:4.
- EPA. 2017. Multi-model Framework for Quantitative Sectoral Impacts Analysis: A Technical Report for the Fourth National Climate Assessment. United States Environmental Protection Agency. [EPA 430-R-17-001](#).
- Martinich J, **Crimmins A**, Beach R, Thomson A, McFarland J. 2017. Focus on Agriculture and Forestry Benefits of Reducing Climate Change Impacts. *Environmental Research Letters*.
- Anenberg, SC, Weinberger KR, Roman H, Neumann JE, **Crimmins A**, Fann N, Martinich J, Kinney PL. 2017. Impacts of climate change on oak pollen and allergic asthma in the United States. *GeoHealth*. 1:3. 80-92.
- Belova A, Mills D, Hall R, St. Juliana A, **Crimmins A**, et al. 2017. Impacts of Increasing Temperature on the Future Incidence of West Nile Neuroinvasive Disease in the United States. *American Journal of Climate Change*. 6, 166-216.
- EPA 2016. Climate change indicators in the United States 2016, 4th edition. <https://www.epa.gov/climate-indicators>