



Michael Mastrandrea

Senior Research Scholar

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 Curriculum Vitae available Online

Bio

BIO

Michael Mastrandrea is an interdisciplinary scientist focused on managing climate risks and the design and implementation of energy and climate policy in California and beyond. He is Research Director of the Climate and Energy Policy Program and a Senior Research Scholar at the Stanford Woods Institute for the Environment. He also serves as Chief Advisor for Energy and Climate Research at the California Energy Commission. Prior to joining Woods he was Director of Near Zero and a Senior Research Associate at the Carnegie Institution for Science. He was part of the leadership team for the Intergovernmental Panel on Climate Change Fifth Assessment Report, where he helped lead the development of two international scientific assessments of climate change science and policy options. He has also served as an author for the Fourth U.S. National Climate Assessment and as an associate editor for the California Fourth Climate Change Assessment. Mastrandrea sits on the Editorial Board and is a Managing Editor for the journal *Climatic Change*. He holds a Ph.D. from Stanford's Emmett Interdisciplinary Program in Environment and Resources, and a B.S. in Biological Sciences from Stanford.

ACADEMIC APPOINTMENTS

- Sr Research Scholar, Stanford Woods Institute for the Environment

Publications

PUBLICATIONS

- **Accounting for the Greenhouse Gas Emission Intensity of Regional Electricity Transfers.** *Environmental science & technology*
Von Wald, G., Cullenward, D., Mastrandrea, M. D., Weyant, J.
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- **Assessing California's progress toward its 2020 greenhouse gas emissions limit** *ENERGY POLICY*
Mastrandrea, M. D., Inman, M., Cullenward, D.
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- **Tracking banking in the Western Climate Initiative cap-and-trade program (vol 14, 124037, 2019)** *ENVIRONMENTAL RESEARCH LETTERS*
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- **Tracking banking in the Western Climate Initiative cap-and-trade program** *ENVIRONMENTAL RESEARCH LETTERS*
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- **Unleashing expert judgment in assessment** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*
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 - **Understanding and responding to danger from climate change: the role of key risks in the IPCC AR5** *CLIMATIC CHANGE*
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 - **Towards seaport resilience for climate change adaptation: Stakeholder perceptions of hurricane impacts in Gulfport (MS) and Providence (RI)** *PROGRESS IN PLANNING*
Becker, A. H., Matson, P., Fischer, M., Mastrandrea, M. D.
2015; 99: 1-49
 - **Summary for Policymakers** *CLIMATE CHANGE 2014: IMPACTS, ADAPTATION, AND VULNERABILITY, PT A: GLOBAL AND SECTORAL ASPECTS*
Field, C. B., Barros, V. R., Mastrandrea, M. D., Mach, K. J., Abdrabo, M., Adger, W., Anokhin, Y. A., Anisimov, O. A., Arent, D. J., Barnett, J., Burkett, V. R., Cai, R., Chatterjee, et al
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 - **The benefits of climate change mitigation in integrated assessment models: the role of the carbon cycle and climate component** *CLIMATIC CHANGE*
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 - **Climate change in California: scenarios and approaches for adaptation** *CLIMATIC CHANGE*
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 - **Current and future impacts of extreme events in California** *CLIMATIC CHANGE*
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 - **The IPCC AR5 guidance note on consistent treatment of uncertainties: a common approach across the working groups** *CLIMATIC CHANGE*
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 - **Treatment of uncertainties in IPCC Assessment Reports: past approaches and considerations for the Fifth Assessment Report** *CLIMATIC CHANGE*
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- **Prioritizing climate change adaptation needs for food security in 2030** *SCIENCE*
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- **Probabilistic assessment "dangerous" climate change and emissions pathways** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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