



**UNITED STATES DEPARTMENT OF
COMMERCE**

**National Oceanic and Atmospheric
Administration**

Alaska Fisheries Science Center
7600 Sand Point Way NE, Bldg. 4
Seattle, Washington 98115-0070
(206) 526-4000

June 1, 2022

Simon Kinneen, Chair
North Pacific Fishery Management Council
1007 W. 3rd Avenue
Anchorage, AK 99501

Dear Mr. Kinneen,

It gives me great pleasure to recommend the appointment of Michael Smith as a member of the Bering Sea / Aleutian Islands (BSAI) Groundfish Plan Team.

Michael is currently working as the new lead of our Economic and Social Sciences Research Program. He formerly served as a senior economist with NOAA and a research fellow at the University of Virginia's Batten Global Policy Center. As a Senior Economist at NOAA, his experience has included shaping the scope and complexity of their research agenda and providing oversight of a team. This includes analyzing, developing, and disseminating economic models and data, and ensuring that statistical analytical systems and processes produce accurate and consistent estimates, results, activities, and plans. Michael has provided technical advice and consultation on economic matters to interagency groups, technical committees, and workgroups, and has been integral to modifying procedures and methodologies for compiling, adjusting, and presenting data. Michael has also worked as a statistician for the Census Bureau. In that role he conducted an annual economic survey research including analytical exploration of the survey process using mathematical statistics and probability methods, and undertook econometric and economic analysis of annual survey data for the publication and presentation of professional research papers. He analyzed and classified economic organizations using NAICS (North American Industry Classification System) and the BR (Business Register), and worked with the National Science Foundation and visited Fortune 500 companies to assess the completion and possible redesign of the survey.

His current research focuses on the economics of climate policy and the impacts of climate change and cascading hazards. You can find his personal website and CV here: <https://sites.google.com/view/mdseconomics/home>

He is currently a chapter author on the U.S. Global Change Research Program, Fifth National Climate Assessment (NCA5). He also serves as a subject matter expert for the World Meteorological Organization, developing their Capacity Development Strategy for developing and small island nations. He is a member of the Interagency Workgroup on the Social Cost of Greenhouse Gasses and the Social and Behavioral Sciences Interagency Workgroup. Previously,



at the Substance Abuse and Mental Health Services Administration (SAMHSA), his work focused on the economics of substance abuse, mental health service delivery, and infectious diseases. Prior to joining SAMHSA, Michael worked as a research economist at the Economic Research Service (ERS), USDA, where his responsibilities focused on measuring food insecurity and quantifying the benefits of food assistance programs.

Many of the issues Michael has studied are very relevant to the fisheries and communities off Alaska. As a new member of NOAA Fisheries I believe this experience will be beneficial to both him and the plan team.

Sincerely,

A handwritten signature in black ink that reads "Robert J. Foy". The signature is written in a cursive style with a large, prominent "R" and "F".

Dr. Robert Foy
Director

Michael D. Smith

Curriculum Vitae

National Oceanic and Atmospheric Administration,
United States Department of Commerce,
Seattle WA, 98115.

(240) 533-9016 | michael.d.smith@noaa.gov
<https://sites.google.com/view/mdseconomics>

Education:

Ph.D., Economics, American University	2018
Dissertation: “ Essays on Food Security, Health, and Immigration ”	
M.A., Economics, American University	2016
M.A., Economics, California State University, Fullerton	2013
Graduate Certificate, Geographical Information Systems, Cal Poly Pomona	2011
B.A., Political Science, minor Geophysics, University of Hawaii, Mānoa	2008

Areas of concentration:

Labor Economics, Climate Economics, and Food Economics

Select professional experience:

National Oceanic and Atmospheric Administration, Department of Commerce <i>Supervisory Research Economist</i>	2022 – Present
National Oceanic and Atmospheric Administration, Department of Commerce <i>Senior Research Economist</i>	2020 – 2022
Substance Abuse and Mental Health Services Administration, Health and Human Services <i>Senior Social Science Analyst</i>	2019 – 2020
Economic Research Service, Department of Agriculture <i>Research Economist</i>	2013 – 2019
United States Census Bureau, Department of Commerce <i>Statistician</i>	2012 – 2013

Select publications:

Smith, M. D. & Wodajo, T. (2022). [New Perspectives on Climate Equity and Environmental Justice](#). *Bulletin of the American Meteorological Society, In press.*

Smith, M. D. & Wesselbaum, D. (2021). [Food Insecurity and International Migration Flows](#). *International Migration Review, In Press.*

Klein, W., **Smith, M. D.**, et al. (2021). [Leveraging Risk Communication Science across U.S. Federal Agencies](#). *Nature Human Behavior, 5(4), 411-413.*

Rabbitt, M.P. & **Smith, M.D.** (2021). [Food Insecurity Among Working-Age Veterans](#). *U.S. Department of Agriculture, Economic Research Service, Economic Research Report, 829.*

- Media coverage: [House Veterans' Affairs Subcommittee on Economic Opportunity](#) and [Veterans Health Administration \(VHA\), Office of Health Equity](#).

Wesselbaum, D., **Smith, M. D.**, & Minehan, S.N. (2021). [Climate Change and International Migration: The Role of Foreign Aid](#). *Georgetown Journal of International Affairs, In Press.*

Smith, M. D., & Floro, M.S. (2020). [The Effects of Domestic and International Remittances on Food Security in Low- and Middle-Income Countries](#). *The Journal of Development Studies, 1-23.*

- Smith, M. D.** & Wesselbaum, D. (2020). [COVID-19, Food Insecurity, and Migration](#). *The Journal of Nutrition*, 150(11), 2855-2858.
- Media coverage: [American Society for Nutrition](#).
- Smith, M. D.** & Floro, M.S. (2020). [Food Insecurity, Gender, and International Migration in Low- and Middle-income Countries](#). *Food Policy*, 91, 101837.
- Smith, M. D.**, & Coleman-Jensen, A. (2020). [Food Insecurity, Acculturation, and Diagnosis of CHD and Related Health Outcomes Among Immigrant Adults in the USA](#). *Public Health Nutrition*, 23(3), 416-431.
- Thome, K., **Smith, M. D.**, Meade, B., Daugherty, K., and Christensen, C. (2019). [International Food Security Assessment, 2019-2029](#), U.S. Department of Agriculture, Economic Research Service, *Economic Research Report, GFA-30*.
- Smith, M. D.**, & Meade, B. (2019). [Who Are the World's Food Insecure? Identifying the Risk Factors of Food Insecurity Around the World](#). U.S. Department of Agriculture, Economic Research Service, *Amber Waves* (06).
- Frongillo, E. A., Nguyen, H. T., **Smith, M. D.**, & Coleman-Jensen, A. (2018). [Food insecurity is more strongly associated with poor subjective well-being in more-developed countries than in less-developed countries](#). *The Journal of Nutrition*, 149(2), 330–335.
- Smith, M. D.**, Kassa, W., & Winters, P. (2017). [Assessing Food Insecurity in Latin America and the Caribbean using FAO's Food Insecurity Experience Scale](#). *Food Policy*, 71, 48–61.
- Frongillo, E. A., Nguyen, H. T., **Smith, M. D.**, & Coleman-Jensen, A. (2017). [Food Insecurity Is Associated with Subjective Well-Being among Individuals from 138 Countries in the 2014 Gallup World Poll](#). *The Journal of Nutrition*, 147(4), 680-687.
- Smith, M. D.**, Rabbitt, M. P., & Coleman-Jensen, A. (2017). [Who are the World's Food Insecure? New Evidence from the Food and Agriculture Organization's Food Insecurity Experience Scale](#). *World Development*, 93, 402-412.
- Media coverage: [Gallup, Inc.](#)
- Ralston, K., Beaulieu, E., Hyman, J., Benson, M., & **Smith, M. D.** (2017). [Daily Access to Local Foods for School Meals: Key Drivers](#). U.S. Department of Agriculture, Economic Research Service, *EIB-168*.
- Rabbitt, M. P., **Smith, M. D.**, & Coleman-Jensen, A. (2016). [Food Security Among Hispanic Adults in the United States, 2011-2014](#). U.S. Department of Agriculture, Economic Research Service, *EIB-153*.
- Coleman-Jensen, A., & **Smith, M. D.** (2016). [Food Insecurity Among Children Declined to Pre-Recession Levels in 2015](#). U.S. Department of Agriculture, Economic Research Service, *Amber Waves* (10).
- Rabbitt, M., **Smith, M.D.**, & Coleman-Jensen, A. (2016). [Food Insecurity and Hispanic Diversity](#). U.S. Department of Agriculture, Economic Research Service, *Amber Waves* (06).
- Manuscripts under review:**
- Conran, J., Lauer, C., & **Smith, M.D.** (2021). A Framework for Collecting and Leveraging External User Data for Climate Policy. *Under review*.

Nadeau, L., **Smith, M.D.**, Adkins, J., & Lauer, C. (2021). An Agent-Based Model for Estimating the Economic Value of National Weather Service (NWS) Impact-Based Decision Support Services (IDSS) for Winter Weather Events. *Under review*.

Zhuang, J., Adkins, J., & **Smith, M.D.** (2021). Measuring the United States Marine Economy. *Under review*.

Smith, M.D., Ten Hoeve, J., & Lauer, C. (2021). Is Severe Weather Information Reaching All? The Demographics of Severe Weather Information Reception and Response. *Under review*.

Wesselbaum, D., **Smith, M.D.**, Barrett, C.B., Aiyar, A. (2020). A Food Insecurity Kuznets Curve? *Revise and resubmit*.

Smith, M. D. & Wesselbaum, D. (2019). Financial Inclusion and International Migration in Low- and Middle-Income Countries. *Revise and resubmit*.

Selected honors, awards, and grants:

National Oceanic and Atmospheric Administration, OCFO Star Award	2021, 2022
American University Econometrics Prize for Excellence in Research in Econometrics	2018
Economic Research Service, Innovative Research Grant: “New Frontiers in Understanding Global Food Insecurity: Analyzing Individual Experiential Measures”	2015, 2016
Economic Research Service, Innovative Research Grant: “Resilience to the Intergenerational Transmission of Poverty”	2015
United States Department of Agriculture, Infographic of the Year Award	2016
United States Department of Agriculture, Data Visualization of the Year Award	2015
United States Department of Agriculture, Certificate of Merit	2014, 2015, 2016, 2017
United States Department of Agriculture, Award of Excellence	2013

Conferences and briefings:

“NOAA Climate Equity and Environmental Justice Seminar Series,” Virtual, August 17, 2021.

“Monitoring U.S. Food Security,” Cochran Fellows, Laos PDR Delegation Briefing, Washington, DC, August 16, 2019.

“International Food Security Assessment,” USAID Briefing, Washington, DC, August 15, 2019.

“International Food Security Assessment,” Office of the Chief Economist, USDA Briefing, Washington, DC, July 12, 2019.

“Experiential Measures of Food Insecurity,” Leland International Hunger Center, Washington D.C., September 24, 2018.

“Food Security, Gender, and Migration Intentions,” UN-WIDER Development Conference, Accra, Ghana, October 6, 2017.

“Food Security, Gender, and Migration Intentions,” Eastern Economic Association Conference, New York, NY, February 23, 2017.

“The Global Determinants of Food Insecurity: Analyzing Individual Experiential Measures,” 2016 APPAM International Conference, at London School of Economics, London, UK, June 12, 2016.

“The Global Determinants of Food Insecurity: Analyzing Individual Experiential Measures,” APPAM Regional Student Conference, at George Mason University, Arlington, VA, April 1, 2016.

Programming skills:

Stata, SAS, R, Python, NetLogo, Mathematica, Tableau, ArcGIS.

Professional service:

Author on the U.S. Global Change Research Program, Fifth National Climate Assessment (NCA5).

World Meteorological Organization, Capacity Development Strategy Subject Matter Expert.

Member of the Interagency Workgroup on the Social Cost of Greenhouse Gasses.

Member of the Social and Behavioral Sciences Interagency Workgroup.

Reviewer for *Food Policy*, *World Development*.