

Education

Ph.D., Climate and Space Sciences and Engineering, Univ. of Michigan, MI 2017-present
Sc.B., Geology-Biology (with Honors), Brown University, Providence, RI 2017

Airborne Campaigns

Flaring & Fossil Fuels: Uncovering Emissions and Losses (F³UEL), Gulf of Mexico/TX, Summer 2020
(Designed Gulf sampling strategy)

Publications

Gorchov Negron, A.M., Kort, E.A., Conley, S.A. and Smith, M.L., 2020. Airborne Assessment of Methane Emissions from Offshore Platforms in the US Gulf of Mexico. *Environmental Science & Technology*, 54(8), pp.5112-5120.

Dix, B., de Bruin, J., Roosenbrand, E., Vlemmix, T., Francoeur, C., **Gorchov-Negron, A.**, McDonald, B., Zhizhin, M., Elvidge, C., Veeffkind, P. and Levelt, P., 2020. Nitrogen Oxide Emissions from US Oil and Gas Production: Recent Trends and Source Attribution. *Geophysical Research Letters*, 47(1), p.e2019GL085866.

Gorchov Negron, A.M., McDonald, B.C., McKeen, S.A., Peischl, J., Ahmadov, R., de Gouw, J.A., Frost, G.J., Hastings, M.G., Pollack, I.B., Ryerson, T.B. and Thompson, C., 2018. Development of a fuel-based oil and gas inventory of nitrogen oxides emissions. *Environmental science & technology*, 52(17), pp.10175-10185.

Research Presentations & Posters (*presenter)

***Gorchov Negron, A. M.**, Kort E. A., Smith, M., Conely, S. Methane Emissions from Offshore Oil and Gas Platforms in the Gulf of Mexico. 2018 (poster)

Gorchov Negron, A. M., *McDonald, B., Mckeen, S., Peischl, J., Ahmadov, R., de Gouw, J., Frost, G. J., Hastings, M. G., Pollack, I. B., Ryerson, T., B., Trainer, M. Evaluation of a Fuel-Based Inventory of Nitrogen Oxides with Top-Down Emissions. American Geophysical Union, New Orleans, LA. 2017 (oral)

Gorchov Negron, A. M., *McDonald, B., Mckeen, S., Peischl, J., Ahmadov, R., de Gouw, J., Frost, G. J., Hastings, M. G., Pollack, I. B., Ryerson, T., B., Trainer, M. Developing a Fuel-Based Inventory of Oil and Natural Gas Emissions. International Emissions Inventory Conference. Baltimore, MD. 2017 (oral)

***Gorchov Negron, A. M.**, McDonald, B., Mckeen, S., Peischl, J., Ahmadov, R., de Gouw, J., Frost, G. J., Hastings, M. G., Pollack, I. B., Ryerson, T., B., Trainer, M. Development of a Fuel-Based Oil and Gas Inventory of Nitrogen Oxide Emissions. Brown University Honors Thesis, Providence, RI, 2017 (oral)

***Gorchov Negrón, A. M.**, Kopacz, M., Mooney, K., Fugitive Methane Emissions from Natural Gas Production and Use. NOAA Hollings Science and Education Symposium, Silver Springs, MD, 2016 (oral)

***Gorchov Negrón, A. M.**, McDonald, B., Ahmadov, R., de Gouw, J., Frost, G. J., Peischl, J., Mckeen, S., Trainer, M., A Spatially Resolved Fuel-Based Inventory of U.S. Oil and Natural Gas Emissions, American Geophysical Union Fall Meeting, San Francisco, 2015 (poster)

Media

[Flaring & Fossil Fuels: Uncovering Emissions & Losses \(F³UEL\) Website](#)

[Coverage of airborne study of offshore platforms](#)

[Reuters article on study of offshore platforms](#)

[Interview with American Geophysical Union Narratives](#)