

## Schneider Fellows – Summer 2022

The Schneider Fellows program provides Stanford students with opportunities to work at leading U.S. non-governmental organizations (NGOs) in the sustainable energy field.

### Undergraduate Students

**Ayaan Asthana, '23 (Economics); Rocky Mountain Institute**

Ayaan worked with Third Derivative, a climate technology accelerator that is part of RMI. He developed an innovation brief on circular economy and waste management startups, while also helping Third Derivative with internal strategy work around raising money from philanthropies and focused cohorts.

**Eddie Dilworth, '23 (Public Policy); National Resources Defense Council**

Eddie built a data-hub for publicly available energy data. The pilot internal energy data-hub that he built was designed to gauge organizational interest in further developing the hub to other subjects

**Mishika Govil, '25 (MS&E, intended); Environmental Defense Fund**

Mishika worked on research and advocacy for electrifying school buses in Florida; supported the beginning of a policy gap study through analysis of vehicle market and emissions data; and crafted memos on propane buses and autonomous vehicle trends to inform future EDF research and initiatives.

**Tanvi Dutta Gupta, '23 (Biology); National Resources Defense Council**

Tanvi partnered with the international team and their India office, working on climate policy issues. She helped write the annual brief on India's climate change progress and helped organize a roundtable on climate-friendly cooling.

**Charlie Hoffs, '22 (Chemical Engineering); Union of Concerned Scientists**

Charlie worked with the Climate and Energy Team to research and write about the life cycle and supply chains of renewable energy technologies.

**Shuvi Jha, '24 (Human Biology & C.S.); Environmental Defense Fund**

Shuvi created communication materials using various forms of media to engage fisher communities in Belize as the country implements its sustainable fishing framework.

**Tala Parker, '22 (CSRE); National Resources Defense Council**

Tala completed a research project investigating transportation issues that tribes across the United States experience and created key suggestions for addressing critical barriers, as well as several recommendations for how the NRDC can become a better advocate for Indigenous issues.

**Paco Poler, '23 (Geophysics); Union of Concerned Scientists**

Paco helped organize a convening of grassroots EJ activists to discuss policy and principles for an equitable energy grid, and he supported some of UCS' advocacy partners by assembling localized climate impact fact sheets.

**Nikita Salunke, '24 (Economics, intended); National Resources Defense Council**

Nikita identified the key challenges to renewable energy siting and developed a written report and an interactive GIS Dashboard.

**Haley Stafford, '24 (MS&E); National Resources Defense Council**

Haley joined the Energy Efficiency For All initiative, which aims to make energy-efficient affordable housing a reality nationwide, and wrote a policy memo on the critical role that shared-equity homeownership will play in tackling the U.S. housing shortage.

**Vrinda Suresh, '22 (Biology: Ecology & Evolution); Environmental Defense Fund**

Vrinda worked with the Fisheries and Oceans science team. She conducted research on marine resource governance in the Central Arctic Ocean and in the mesopelagic zone of the ocean to inform EDF's engagement on issues in these areas.

**Ritwik Tati, '25 (Undeclared); Audubon Society**

Ritwik worked on federal policy messaging related to the Recovering America's Wildlife Act (RAWA) for both Audubon state chapters and the US Senate.

## **Graduate Students**

**Kathleen Chang, '23 (Civil & Environmental Engineering); National Resources Defense Council**

Kathleen researched residential heat pumps and air conditioners to understand their energy efficiency and refrigerant usage and created a report regarding the findings.

**Margaret Daly, '23 (Oceanography, PhD); Environmental Defense Fund**

Margaret reviewed and edited tools for the Sustainable Fisheries Toolkit, developed white papers to highlight current work from the US Fisheries Team, and created interactive tools for fisheries managers to explore Harvest Control Rules to support climate resiliency across all fisheries councils.

**Emily Dukas, '23 (C&EE, Atmosphere & Energy); U.S. Green Building Council**

Emily worked with the Arc technology team assisting with the development and application of scores and analytics for spaces, buildings, and places around the world.

**Atharva Ekatpure, '23 (Environmental Engineering); World Resources Institute**

Atharva worked with the Water, Peace, and Security Team to inform how Water, Food, and Energy insecurity can have an impact on violent conflicts and national security.

**Mark Loning, '23 (C&EE, Atmosphere & Energy); Environmental Defense Fund**

Marc focused on comparing climate change mitigation pathways associated with seaweed farming, using a lifecycle-based approach. This work formed the basis for a roadmap for sustainable seaweed farming in the Philippines.

**Xunfeng Lu, '24 (Energy Resources Engineering, PhD); Rocky Mountain Institute**

Xunfeng worked with the Climate Intelligence Program focused on oil and gas and developed a methodology to assign VIIRS flares points to specific oilfields and oil refineries.

**Maya Noesen, '23 (Environmental Engineering); Environmental Defense Fund**

Maya worked with the Energy Transition team to understand the hydrogen commitments governments are making and the environmental and social impact of the fuel's production.

**Tapas Peshin, '23 (Energy Resources Engineering, PhD); Rocky Mountain Institute**

Tapas worked with the Carbon-Free Mobility team. He determined the health impacts and monetized damages associated with truck electrification in the US across multiple penetration scenarios using air pollution modeling and geospatial analytics.

**Jayson Toweh, '25 (Program in Environment & Resources, PhD); United Nations Foundation**

Jayson worked on increasing the use of Indigenous Knowledge in climate science, conducted carbon accounting, worked on outreach to African nations, and did an inter-organizational climate justice assessment.

**Ye Zheng, '23 (Sustainable Design & Construction); U.S. Green Building Council**

Ye engaged in the LEED Technical Development team to build data analysis and visualization dashboards to evaluate versions of the LEED rating systems and inform the development of future LEED versions.

## **Schneider Fellows – 1-year Fellows 2022-2023**

**Sylvie Ashford, '21, '22** (B.A. International Relations, M.A. International Policy)

**Placement:** Natural Resources Defense Council – San Francisco, CA

**Title:** Western Sustainable Energy and Climate Fellow

**Rachel Hu, '22** (Civil and Environmental Engineering)

**Placement:** National Resources Defense Council – Chicago, IL

**Title:** Midwest Sustainable Energy and Climate Fellow

**Ricky Huang, '22** (B.A. Comparative Literature, M.A. Sustainability Science and Practice)

**Placement:** National Resources Defense Council – New York City, NY

**Title:** Eastern Sustainable Energy and Climate Fellow

**Claire Lang-Ree, '21, '22** (B.S. Earth Systems, M.S. Earth Systems)

**Placement:** National Resources Defense Council – San Francisco, CA

**Title:** Western Sustainable Energy and Climate Fellow