

MINERVA HUANG RINGLAND

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EDUCATION

Bren School of Environmental Science & Management, University of California, Santa Barbara (UCSB)

Master of Environmental Science and Management (Expected June 2021)

Specializations: Economics and Politics of the Environment, Climate and Energy | Focus: Strategic Communication

Teaching Experience: Introduction to Sociology (Spring 2020)

Highlighted Coursework: Climate Change Impacts and Adaptation; Energy, Technology, and the Environment; Energy Demand Analysis

Yale University, New Haven, CT

Bachelor of Science in Molecular, Cellular, and Developmental Biology (May 2016)

Highlighted Coursework: Politics of the Environment; Sustainability in the 21st Century with Daniel Esty

MASTER'S GROUP PROJECT

Evaluating Climate Mitigation Potential of Natural & Working Lands in Santa Barbara County (4/2020 – 6/2021)

Role: Co-Project Manager | Client: Santa Barbara County, Sustainability Division

- Yearlong capstone project to produce a Natural and Working Lands Component, including carbon stock assessment and emissions forecast, for incorporation into the County of Santa Barbara's 2030 Climate Action Plan update
- Coordinated team of 5 students to develop landscape carbon inventory by compiling vegetation maps in GIS, forecast future emissions based on land use changes, and assess co-benefits of carbon sequestration practices using novel TerraCount tool
- Distributed survey to a representative sample of County agricultural land managers and experts; aiming to assess current levels of land management activities that promote soil carbon storage, and identify barriers to adoption and implementation
- Developed policy brief based on data analysis and stakeholder engagement to recommend programs the County could implement to support and promote emissions reduction and carbon sequestration efforts among agricultural land managers

ENVIRONMENTAL PLANNING AND MANAGEMENT EXPERIENCE

Rincon Consultants, Inc – Santa Barbara, CA

Planning Intern (6/2020 – 9/2020)

- Developed Sampling Plan for company's first Low Carbon Fuel Standard (LCFS) accreditation client (5 million gal biodiesel plant)
- Quantified greenhouse gas emissions for 5 utility clients as third party verifier ensuring compliance with California Air Resources Board Mandatory Reporting rule and other regulations
- Conducted background analytical research for local and regional agencies, contributing to 6 Climate Action Plans and General Plan Updates that will achieve emissions reductions aligned with state GHG targets
- Created guidance document to support clients incorporating Environmental Justice into General Plans, in order to address social equity concerns, reduce disproportionate burdens on disadvantaged communities, and achieve compliance with Senate Bill 1000

SolEpoxy, Inc – Olean, NY

Environmental Scientist & Marketing Communications Coordinator (5/2017 – 8/2019), **Compliance Intern** (1/2017 – 4/2017)

- Implemented and upgraded company's environmental management system to achieve compliance with ISO 14001:2015, by collaborating with all departments to determine environmental risk and presenting findings to internal and external audit teams
- Managed permits, plans, and procedures for air emissions, wastewater discharge, and hazardous waste disposal
- Championed novel sustainability projects on energy efficiency, material sourcing and waste, and chemical safety; including full logistical and financial responsibility for successful LED lighting upgrade and proposed rooftop solar installation
- Developed technical marketing documents for company website and customer communications, and developed training presentations on marketing initiatives for an international sales team of 12 and an internal sales team of 5

Yale Food Systems Symposium – New Haven, CT

Conference Organizer (3/2015 – 11/2015)

- Led interdisciplinary conference of 100+ participants designed to work towards a sustainable food system by promoting interactions and forging partnerships between diverse stakeholders including farmers, academics, practitioners, and policymakers
- Partnered with 5 graduate students from the Yale Schools of Forestry and Environmental Science, Public Health, and Law to successfully plan, promote, and host conference

SKILLS & PROFESSIONAL ASSOCIATIONS

Programs and Software: Python, Matlab, R, QIIME, Microsoft Office Suite (Word, Excel, PowerPoint), Windows and Linux

Associations: California Association of Environmental Professionals; American Planning Association (CA Central Coast Section)