

ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

New York, NY

Consultant

Mr. Dahmm joined E3 in 2021 supporting the Climate Pathways team. He previously worked with the UN Sustainable Development Solutions Network, an organization promoting science-based solutions to sustainability challenges. His work focused on how the global community can better use data and statistics to monitor and improve sustainable development. After graduating from Swarthmore College in 2015 with a BS in Engineering, he traveled to the UK as a Marshall Scholar where he completed an MSc in Sustainable Energy Futures at Imperial College and an MSc in Environmental Policy and Regulation at the London School of Economics. He now works with both public and private sector actors to analyze potential pathways for reaching decarbonization objectives.

UN SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK

New York, NY

Manager: Data for Sustainable Development

July 2020 – November 2021

- Responsible for research for the Thematic Research Network on Data and Statistics (TReNDS), looking at the improved availability of global environmental data, data sharing practices, data for disease surveillance, and more.
- Managed project portfolios on data governance and data uptake for sustainable development.
- Coordinated members of the G7 Partnership for Women's Digital Financial Inclusion in Africa and prepared an annual report for the partnership.
- Participated in meetings of the High-Level Group for the UNSC on data stewardship. Researched briefs about government chief data officers that were then incorporated into a report on data stewardship presented to the UNSC.
- Worked with international researchers to introduce a dataset on electricity access to a platform of timely SDG data.
- Oversaw the hiring and day-to-day management of interns. Prepared regular online thought pieces.

Analyst: Data for Sustainable Development

February 2018 – July 2020

- Assisted with research for SDSN TReNDS.
- Developed the 2018 United States Sustainable Cities Index.
- Contributed to a series of case studies on the value of data for sustainable development. Interviewed innovative data users from around the world and authored reports.
- Project lead for Contracts for Data Collaboration (C4DC), which documented the enabling factors for data sharing. Collected and analyzed a library of data sharing agreements. Prepared accompanying case studies and reports.
- Provided analytical support to the POPGRID initiative, a community of gridded population data producers and users.
- Interviewed experts and reviewed literature to author a report on gridded population data for policy makers.

U. OF TENNESSEE, DEPT. OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE Knoxville, TN
Research Assistant Summer 2014 & 2015

- Researched how distribution of renewables could impact electric grid stability.
- Analyzed a consumer survey on residential demand response to understand need for utility incentives.

PURDUE UNIVERSITY, DEPARTMENT OF CHEMICAL ENGINEERING West Lafayette, IN
Research Assistant Summer 2013

- Researched feasibility of carbon sequestration method involving nanometric calcium carbonate production.

SWARTHMORE COLLEGE, DEPARTMENT OF ENGINEERING Swarthmore, PA
Research Assistant Summer 2012

- Advanced assistive technology for the blind in the STEM disciplines, developing original hardware and software

Education

The London School of Economics and Political Science London, UK
M.Sc., Environmental Policy and Regulation 2017

Imperial College London, UK
M.Sc., Sustainable Energy Futures 2016

Swarthmore College Swarthmore, PA
B.S., Engineering 2015

Public Presentations

1. *Working Scientist Podcast, speaker, March 2021*
2. *International Science Council webinar "Accounting for Everyone: Using Gridded Population Data for Sustainable Development," panelist, June 2020*
3. *Apolitical webinar "How to Use and Share Data for The Public Good," panelist, June 2020*
4. *GPSDD webinar "Leaving No One Off the Map: A Guide for Using New Methods for Population Estimation," panelist, February 2020*
5. *Space Generation Congress, expert speaker, October 2019*

Publications

1. Dahmm, H. (2021). "Major Environmental Data Gaps Remain, But Progress is on the Horizon". UNSDSN.
2. Dahmm, H., Moultrie, T. (2021). "Avoiding the Data Colonialism Trap". UNSDSN.
3. Espey, J., & Dahmm, H. (2021). *Innovations in Disease Surveillance and Monitoring. Handbook of Global Health*, 317-338. Springer.
4. Dahmm, H. (2020). "Laying the Foundation for Effective Partnerships: An Examination of Data Sharing Agreements". UNSDSN.
5. Dahmm, H. (2020). "Using Mobile Data for Health Monitoring: A Case Study of Data Sharing Between Ghana Statistical Services, Vodafone Ghana, and Flowminder Foundation". UNSDSN.
7. Dahmm, H., Rabiee, M. (2020). "Leaving No One Off the Map: A Guide for Gridded Population Data for Sustainable Development". UNSDSN.
9. Dahmm, H. (2019). "Development Gateway and the Government of Moldova Collaborate on a Data Management Plan: A Case Study by SDSN TReNDS for C4DC". UNSDSN.
11. Espey, J., Badiie, S., Dahmm, H., Appel, D., & Noe, L. (2019). "Counting on the World to Act: A Roadmap for Governments to Achieve Modern Data Systems for Sustainable Development". UNSDSN.
12. Orrell, T., Dahmm, H. (2019). "Demystifying data sharing: Insights from key stakeholders". UNSDSN.
13. Dahmm, H. (2019). "UN Environment and Google Partnering to Monitor Global Surface Water: A Case Study by SDSN TReNDS for C4DC". UNSDSN.
14. Dahmm, H. (2018). "Valuation of the New Zealand Census". UNSDSN.
15. Espey, J., Dahmm, H., Manderino, L. (2018). "Leaving No U.S. City Behind: The U.S. Cities Sustainable Development Goals Index Issue 2018". UNSDSN.
17. Dahmm, H., Bustos-Turu, G., Chatzopoulou, M., Acha, S. and Shah, N. (2017). "Techno-Economic Analysis and Trade-Offs of Cooperative Community Energy Planning Schemes in the UK". ECOS 2017. San Diego, CA.

Citizenship

United States