ANMOL SONI

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PhD Candidate, School of Business and Economics, Maastricht University

Poststraat-3, J15, 6135KR Sittard, Netherlands

✉ anmol.soni@maastrichtuniversity.nl

🌐 www.sonianmol.github.io

📞 +31-623562077 in a-soni SoniAnmol

I am a third-year doctoral candidate at Maastricht University. My PhD project investigates how public narratives surrounding extreme weather events interact with policy responses and firm behavior. The research draws on methods from natural language processing, computational social science, agent-based modelling, and climate communication.

Education

TU Delft

Aug 20-Aug 22

MSc. Engineering and Policy Analysis (Honours)

- Specialised in **Modelling and Simulation** of complex adaptive systems.
- Acquired key **Data science**, analytics, **policy analysis** and **actor strategy skills**.
- Followed the Honours track with a focus on **strategic problem-solving**.

R.T.M. Nagpur University

Jul 11-Jul 15

Bachelor of Mechanical Engineering

- Graduated with **First Division**.
- Published a white paper on taking a **systems approach** to improve the efficiency of a flux production unit in Nagpur.

Work Experience

Maastricht University

Feb 23- Present

Doctoral Candidate

- Investigating the interplay between public narratives on extreme weather events, policy responses, and firm behaviour.
- Methodological approach combines natural language processing, agent-based modelling, and computational social science.

Croonwolter& dros

Feb 22-Aug 22

Energy Modeling Intern

- Developed an **agent-based model** of two energy communities for performing virtual experimentation and supporting **decision-making under uncertainty**.
- A two-step policy plan was formulated to reduce grid dependence through demand response and behind-the-meter storage in Dutch energy communities.

TPM Resilience lab

Apr 21-Feb 22

Research Assistant - Spatial (GIS) Analysis

- Worked on the EU's HERoS project focused on improving **urban resilience** and **devising practical advice** to improve crisis governance during pandemics.
- Curated location data and performed **spatial analysis** to create a simulation model of the Hague.
- Presented key findings at the International Conference of Computational Social Science 2021.

Bask Research Foundation

Jun 18-Jul 20

Research Associate - Energy Policy

- Implemented the **systems thinking** approach to increase consumer participation in the electricity tariff determination in Rajasthan, India.
- Led multiple **research-driven** projects to improve **regulatory governance** in electricity distribution in coordination with local DSOs.

Boond

Dec 16-Nov 17

Design Engineer - Solar Microgrids

- Electrified 300 households through solar microgrids in Uttar Pradesh and Rajasthan, India.

Working Paper

Exploring Narratives around Extreme Weather Events

Anmol Soni, Tina Comes, Giulia Piccillo and Tania Treibich (2025)

This paper explains how newspaper narratives surrounding May 2023 flooding of the Emilia-Romagna align with public sentiment and climate risk perception. At the macro level, actor roles are extracted from news paper articles published over a year long period covering the floods. Micro-level narratives are captured through an online survey conducted in the Emilia-Romagna region of Italy. The findings reveal a misalignment between macro-level portrayals of actor roles and micro-level perceptions, leading to a potential dissonance between public sentiment and media representations of the issue.

Skills

Python
programming language
● ● ● ● ○

System Dynamics
Vensim
● ● ● ○ ○

Version Control
Git & GitHub
● ● ● ● ●

Data Analysis & Visualisation
Pandas, Matplot.lib, Plotly
● ● ● ● ○

Agent Based Modeling
Mesa, Netlogo
● ● ● ● ○

Microsoft Office
Word, Excel, etc.
● ● ● ● ●

Interdisciplinary Projects

RIVM
Dec 21-Feb 22

QCONNECT: Adoption of circularity in the Dutch automotive industry

- Developed an agent-based model for evaluating and **exploratory analysis of circular policies** in the Dutch automotive sector.

Dentatus

Integration of geothermal energy in Waalhaven area of Rotterdam

Nov 20-Nov 21
- Led an **interdisciplinary** team of three students for creating a strategic roadmap for the integration of geothermal energy in Waalhaven, Rotterdam.
- Performed **multi-criteria decision-making** and conducted risk & **uncertainty analysis** for maximising the co-benefits.
- Demonstrated effective **leadership** and **communication** skills rooted in appreciation and respect in a **diverse multi-cultural team**.

Co-curricular Courses

March 2022

Intangible Matter of Spaces

Alta Scuola Politecnica
- Gained insights into **impact investing, co-creation** and value generation through commons.
- Hands-on experience in **investment pitches, stakeholder engagement** and **negotiations**.

November 2019

Energy Economics and Policy

Indian Institute of Technology
- Learned **macro economics** principles governing demand management and policy regime in the electricity sector.

November 2019

Python for Data Science

Indian Institute of Technology
- Learned basics of python programming for d**ata analysis and visualisation**.

December 2018

Energy Efficiency in Emerging Economies

International Energy Agency
- Gained international insights into planning and implementing energy efficiency policies in emerging economies.

Extracurricular | Volunteering

Feb 22-Aug 22

TPM Faculty Ambassador

Delft Global Student Club
- Enhanced **communication skills** by promoting research opportunities in the global south across the TPM Faculty.
- Held an **editorial position** for publishing the quarterly magazine of the student club.

Nov 20-Nov 21

Treasurer | Convenor Events Committee

Dentatus
- Worked with a team of motivated students and managed the account of the study association.
- Organised social events for rebuilding the community feeling in cohort amidst the COVID lockdown.