Reviewing the Recruitment and Qualitative Methods in Deliberative Valuation Experiments

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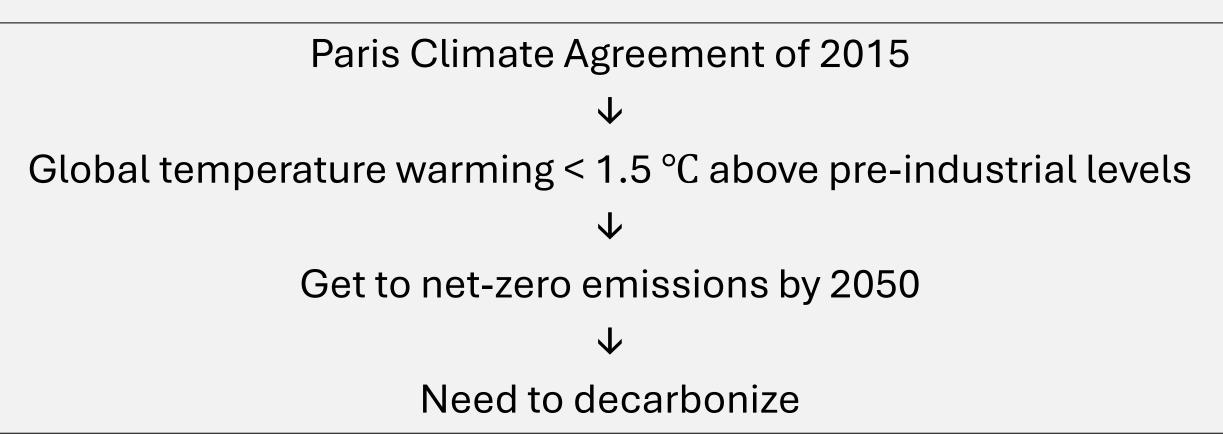
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ACES Conference 2024



Problem



Problem

Decarbonizing the electricity sector (~25% of GHG emissions) is relatively feasible and cost-effective.

Least-cost pathway to decarbonization in Northeast:

Expanded domestic clean energy generation





Expanded transborder transmission capacity





Problem

Time and resources invested into projects that are cancelled following mobilization by community members with adverse interests or values.

Transmission infrastructure Offshore wind New Hampshire Supreme Court Cape Wind developers call it quits New England hydropower project can **\$2 billion Twin State Clean** strikes down appeal for Northern Pass resume years after Maine voters Published Dec. 4, 2017 **Energy Link project canceled** transmission permit protested Robert Walton Published July 22, 2019 Associated Press May 17, 2023 By Steve Mistler, Maine Public f 🗶 in 🖂 Published March 7, 2024 at 2:38 PM EST Iulia Gheorghiu



Delays/denies benefits to **underserved urban** and **rural** communities.

Common thread across projects

Lack of meaningful community engagement.

What drives community opposition and acceptance?

Funding and Partners

EPA Science to Achieve Results (STAR) Grant: EPA-G2022-STAR-F2 Title: Deliberative Valuation and Integrated Modeling to Accelerate Equitable Decarbonization in New England



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Objective 1

Explicitly characterize environmental, health, and economic **tradeoffs** of alternative decarbonization scenarios.



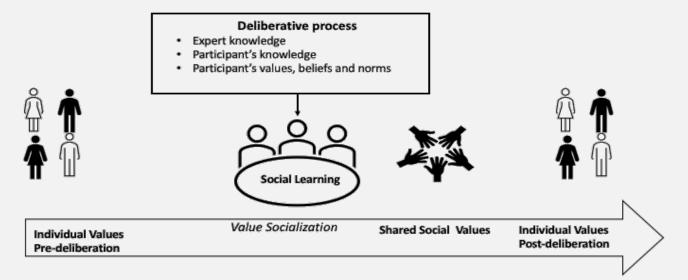
Characterize relative importance of various attributes among **rural** and **urban** communities in New England. **Objective 3**

Identify projects and pathways that have **large net benefits** and **high acceptability**.



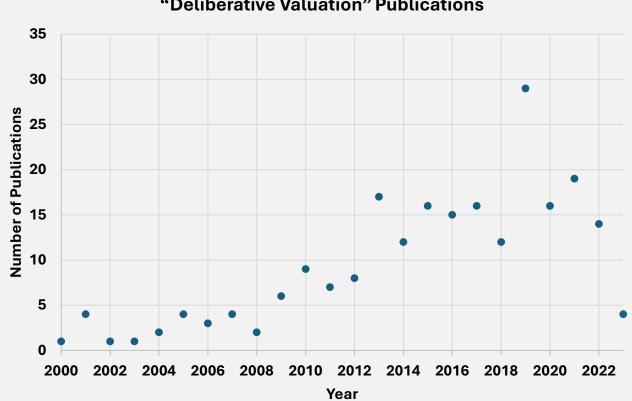
Deliberative valuation

"A decision-making process that actively engages the public in valuesbased discourse for a specific topic under consideration."



- Combines deliberation with monetary and nonmonetary valuation techniques
- Knowledge exchange and learning
- Trace reasoning behind people's choices
- Promotes decisions made by community members about common and public goods

Approach



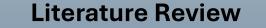
"Deliberative Valuation" Publications

Gaps in deliberative valuation literature

- Fair recruitment of participants
- Fair participation within • workshops
- Value of outputs for policy making

Also interested in qualitative methods.

Approach

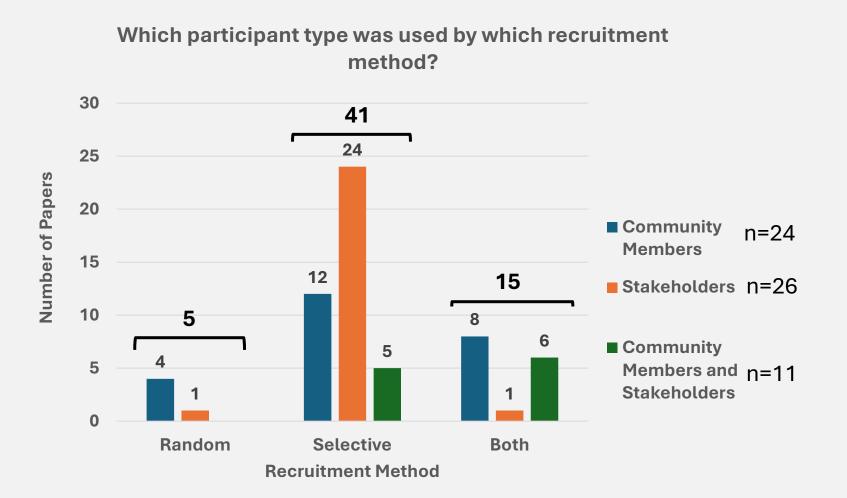


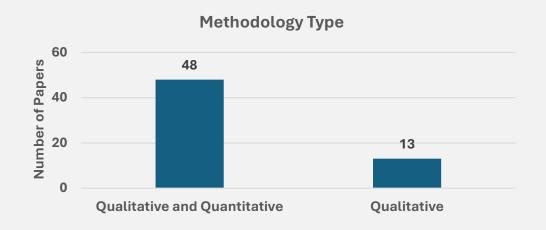
Where are we now with recruitment processes and qualitative methodology within deliberative valuation?

Understands and advances current deliberative valuation literature.

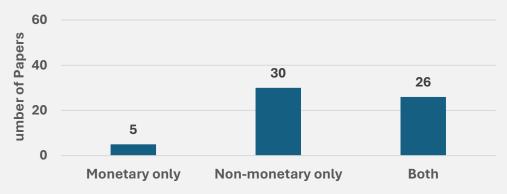
- Papers published in Web of Science from 2000 April 2023
- "deliberative valuation"
- 222 results
- In-depth analysis of 61 papers that used qualitative analysis in a case study

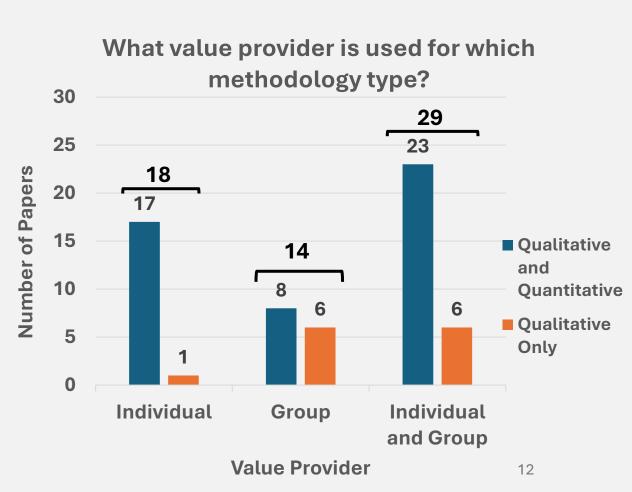
Results – Recruitment Processes



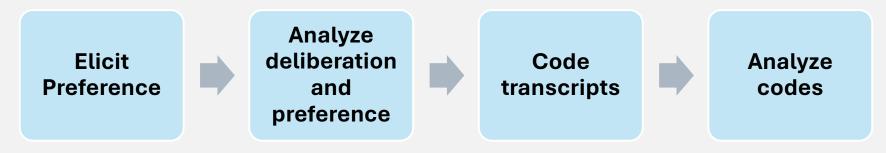


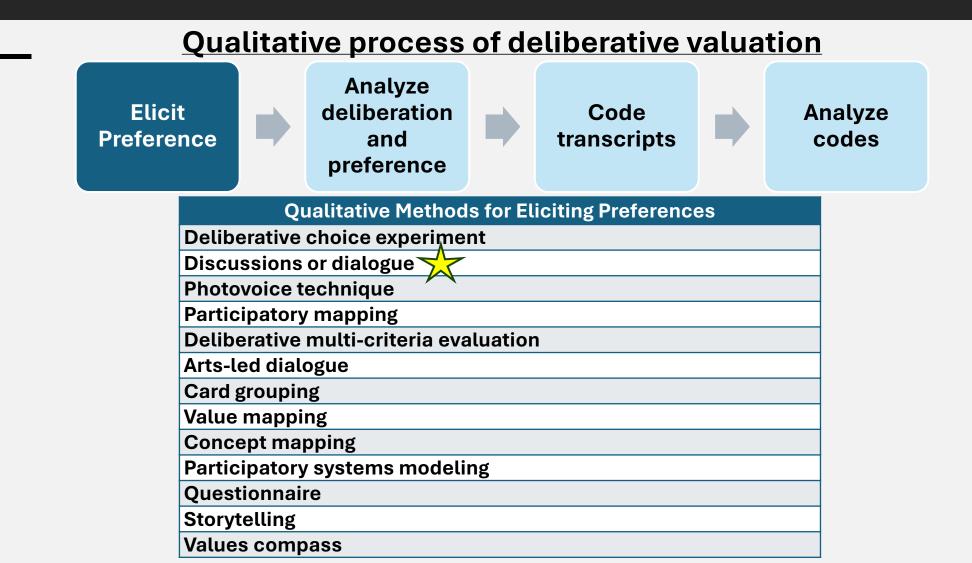


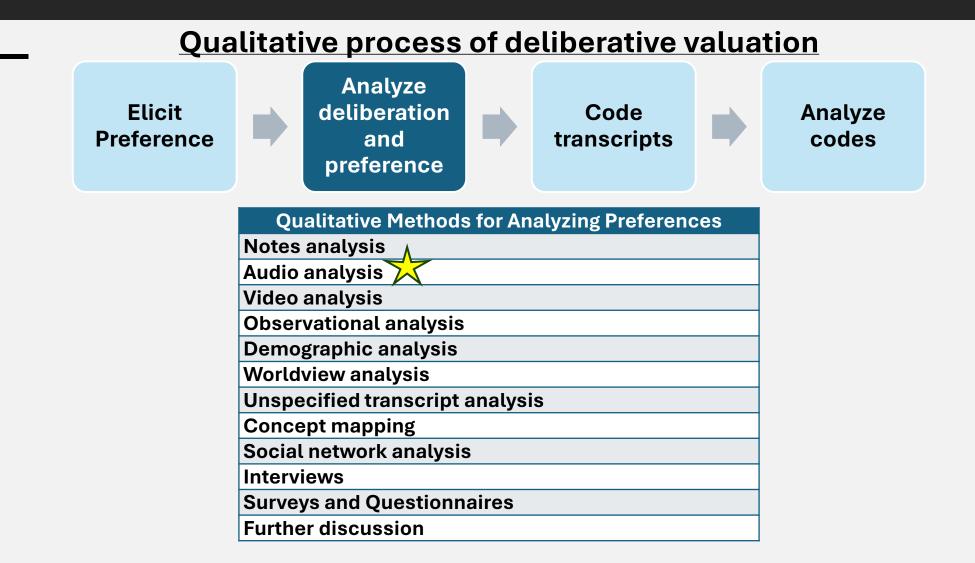


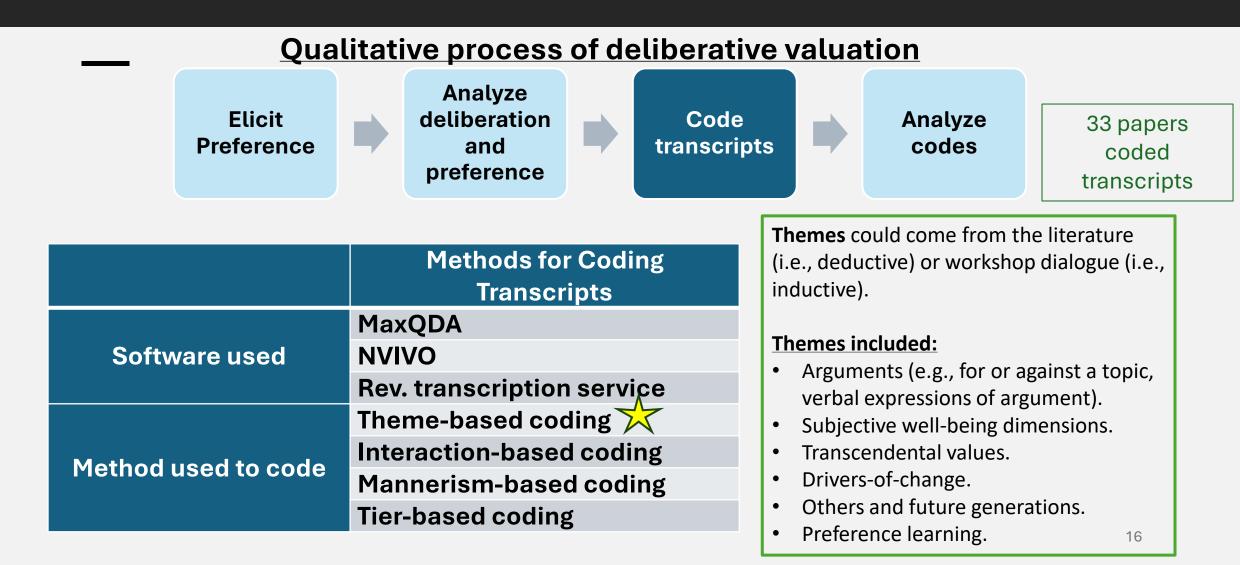


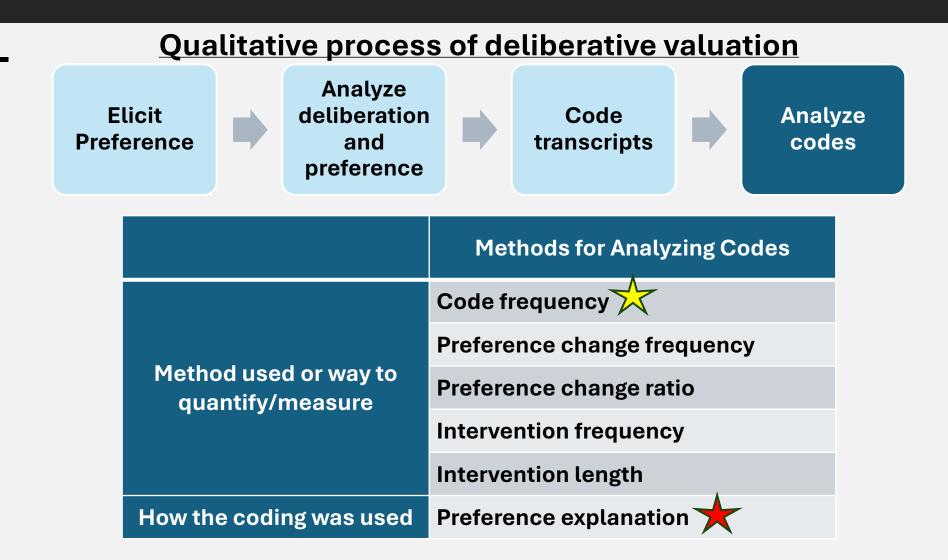
Qualitative process of deliberative valuation





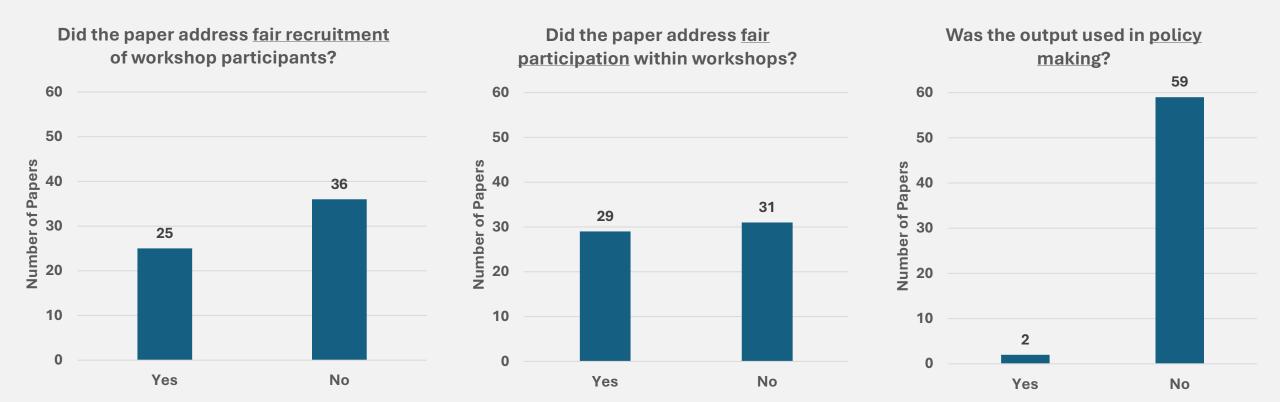






Results – Gaps in Literature

Preliminary results suggest **challenges** we are looking to address were only explored in a **portion** of the papers.



Impact

- An analysis of **current** deliberative methods and **gaps** in the literature, used to **advance literature**.
- Will **utilize information** from literature review in deliberative valuation **workshops**.
- Quantitative and qualitative valuation of clean energy benefits and impacts for benefit-cost analyses that incorporate community preferences.
- Lead to more **equitable** and **public-supported** clean energy projects and policies in New England.

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Thank you!

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