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## Participatory-Deliberative Ethics Assessments of Energy Scenarios: What Can They Achieve and How Should They be Designed?

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### ABSTRACT

To accomplish a just transition, energy scenarios is a helpful tool. Participatory and deliberative methods are increasingly used when constructing and assessing energy scenarios to improve the democratic legitimacy of the results. This article contributes to the scientific debate by analyzing how such methods can include considerations of justice issues in a more systematic manner. It is based on a study of four workshops conducted in Sweden, in which the participants discussed different energy scenarios from a justice perspective. It discusses what can be achieved by methods for participatory-deliberative ethics assessment of the consequences of energy scenarios and how such methods should be designed.

### ARTICLE HISTORY

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Energy justice; scenario planning; technology assessment; participatory-deliberative methods; deliberative democracy

### Introduction

This article discusses how methods of participatory-deliberative<sup>1</sup> ethics assessment of energy scenarios can be designed, based on empirical studies in the Swedish context. We conducted four workshops in Sweden from November 2021 to December 2022, in which the participants, who represented authorities, trade unions and NGOs, discussed different energy scenarios from a justice perspective.<sup>2</sup> The development of scenarios is an important aspect of the construction of long-term energy strategies (Paltsev, 2017). Participatory methods are

