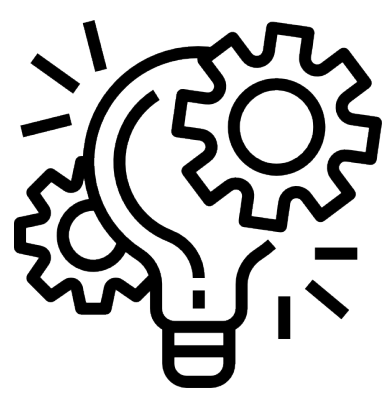


ProdUse: Closing the gap between model-based energy scenarios and its potential users to support evidence-based decision-making

What ProdUse is about



Model-based energy scenarios can guide decision-making under uncertainty by conceptualizing multiple pathways and assessing associated trade-offs. Although energy transitions require various actors to make long-term and resource-intensive decisions, empirical evidence of how energy scenarios support decision-making is rare. This is often attributed to their complexity and an insufficient consideration of user needs. While scenario producers are incentivised to advance the scientific quality of their work, decision-makers might not be aware of the variety of energy scenarios and the benefits they provide or miss guidance to apply their insights.

Project goal



This transdisciplinary research approach aims to bridge the gap between scenario producers and users. The goal is to identify viable and scalable ways to improve the usability of energy scenarios, thereby accelerating the Swiss energy transition through robust, integrative and evidence-based decision-making practices. For that, an empirically grounded understanding of how and why decision-makers select, interpret and use energy scenarios is required.

What has been done so far

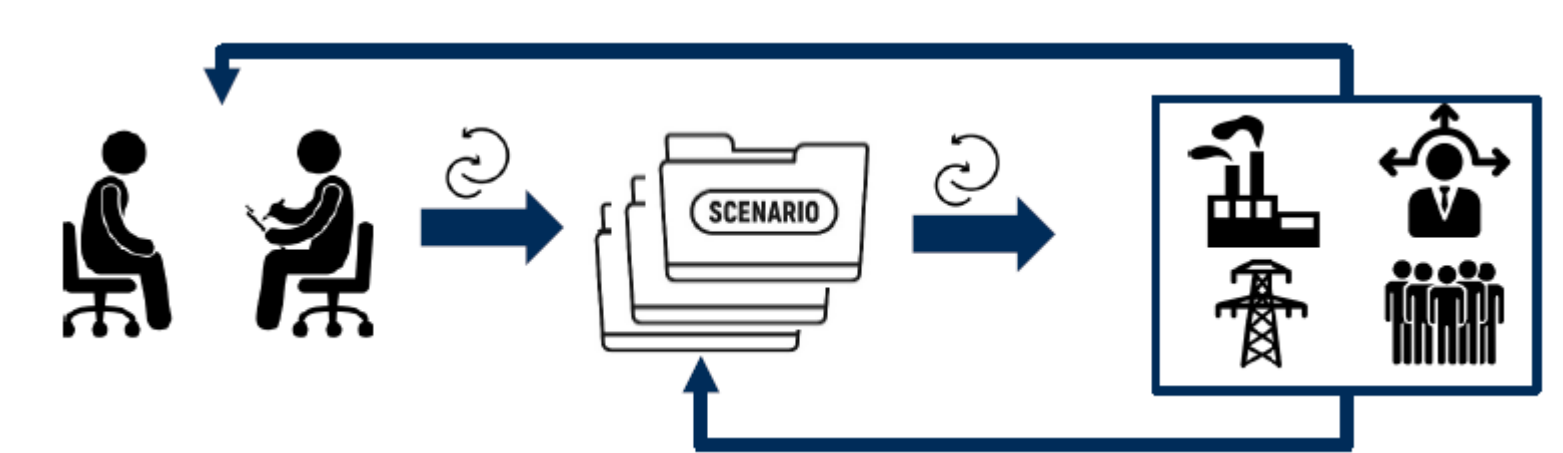


Based on a literature review and interviews with modellers, a survey design was developed to capture factors influencing the perceived credibility, legitimacy and salience of energy scenarios. To be able to compare perceptions of modellers with users, two separate survey versions, one for energy modellers and one for potential users, were developed.

Scenario use nowadays:

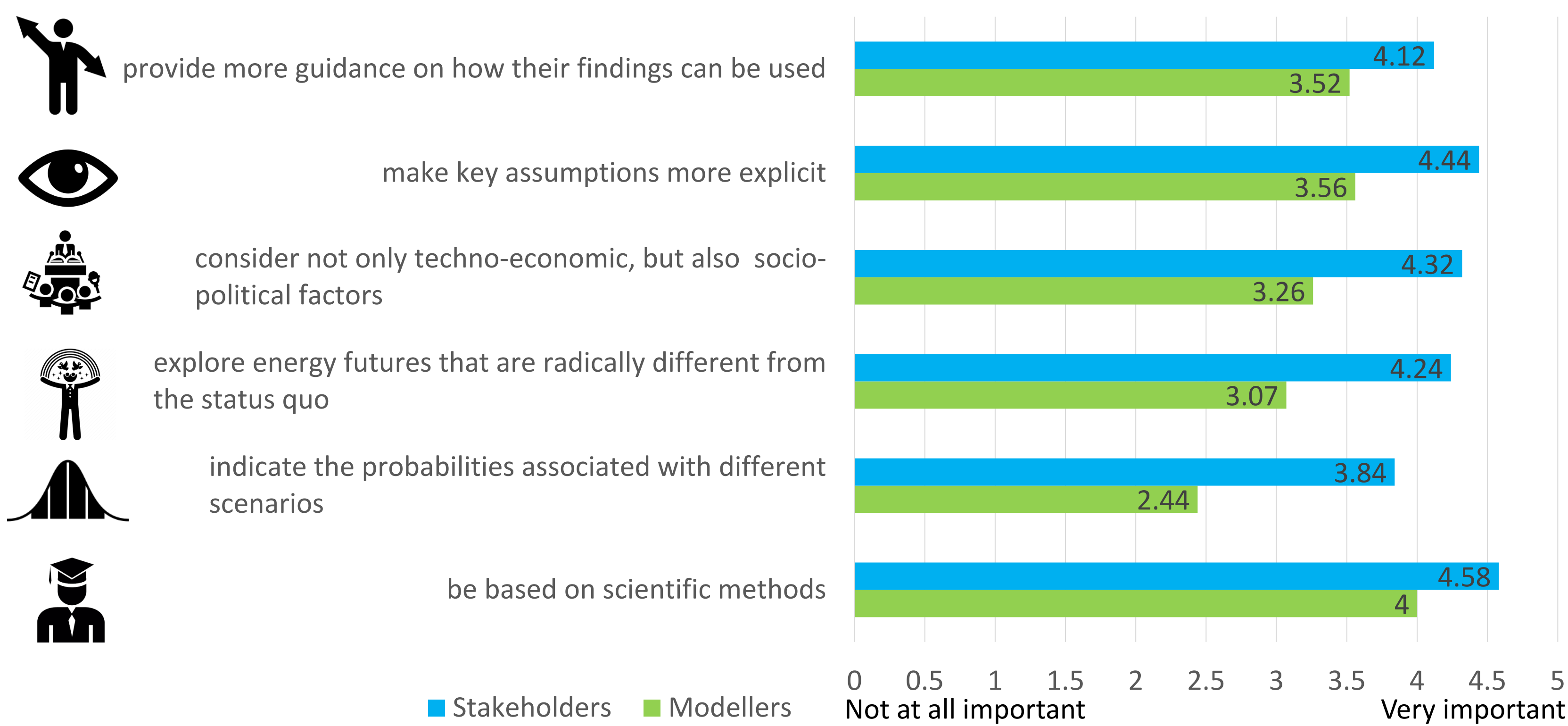


Objective:

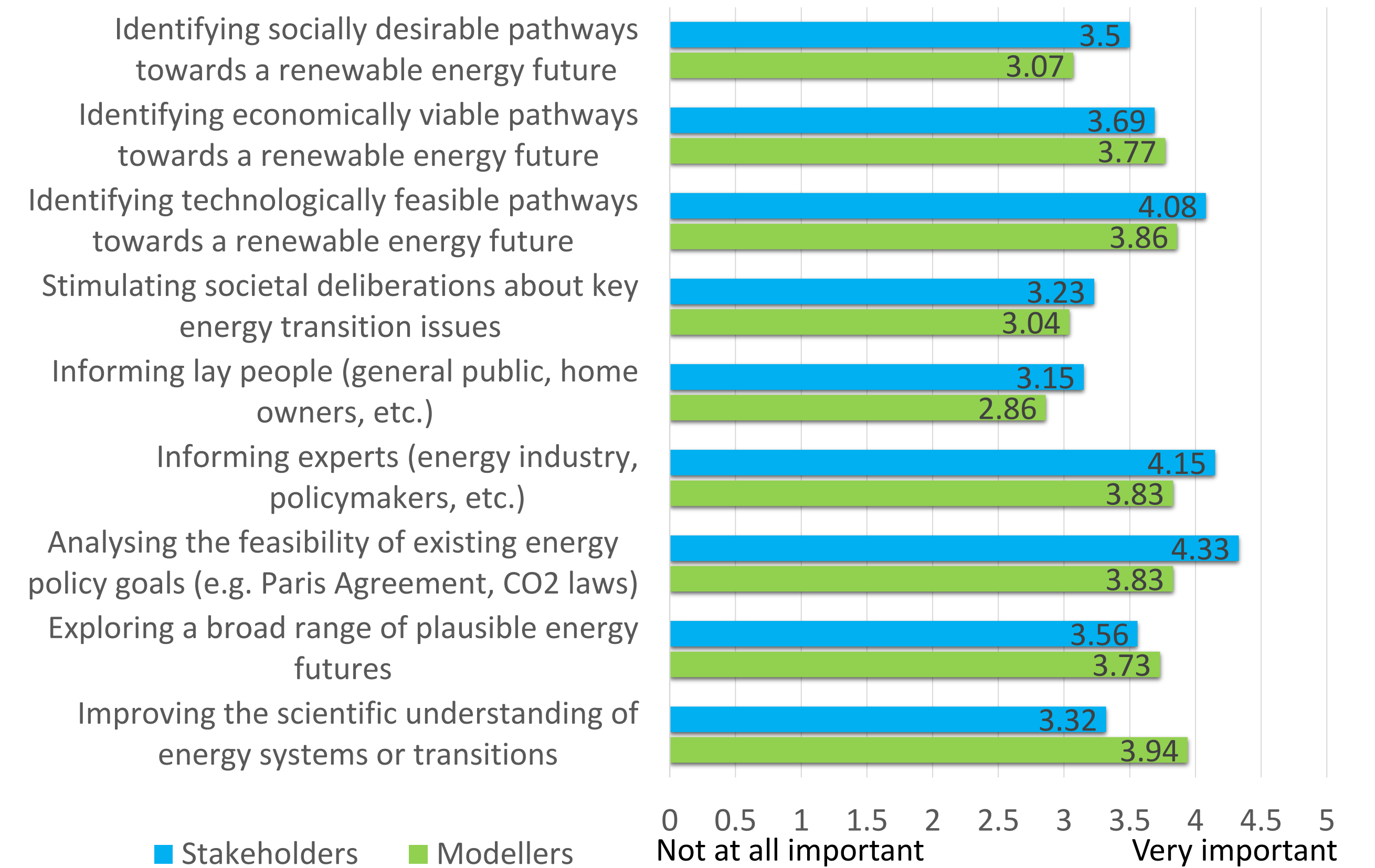


First insights: Comparing energy modellers (N=43) with non-academic stakeholders (N=41) of the SWEET consortia

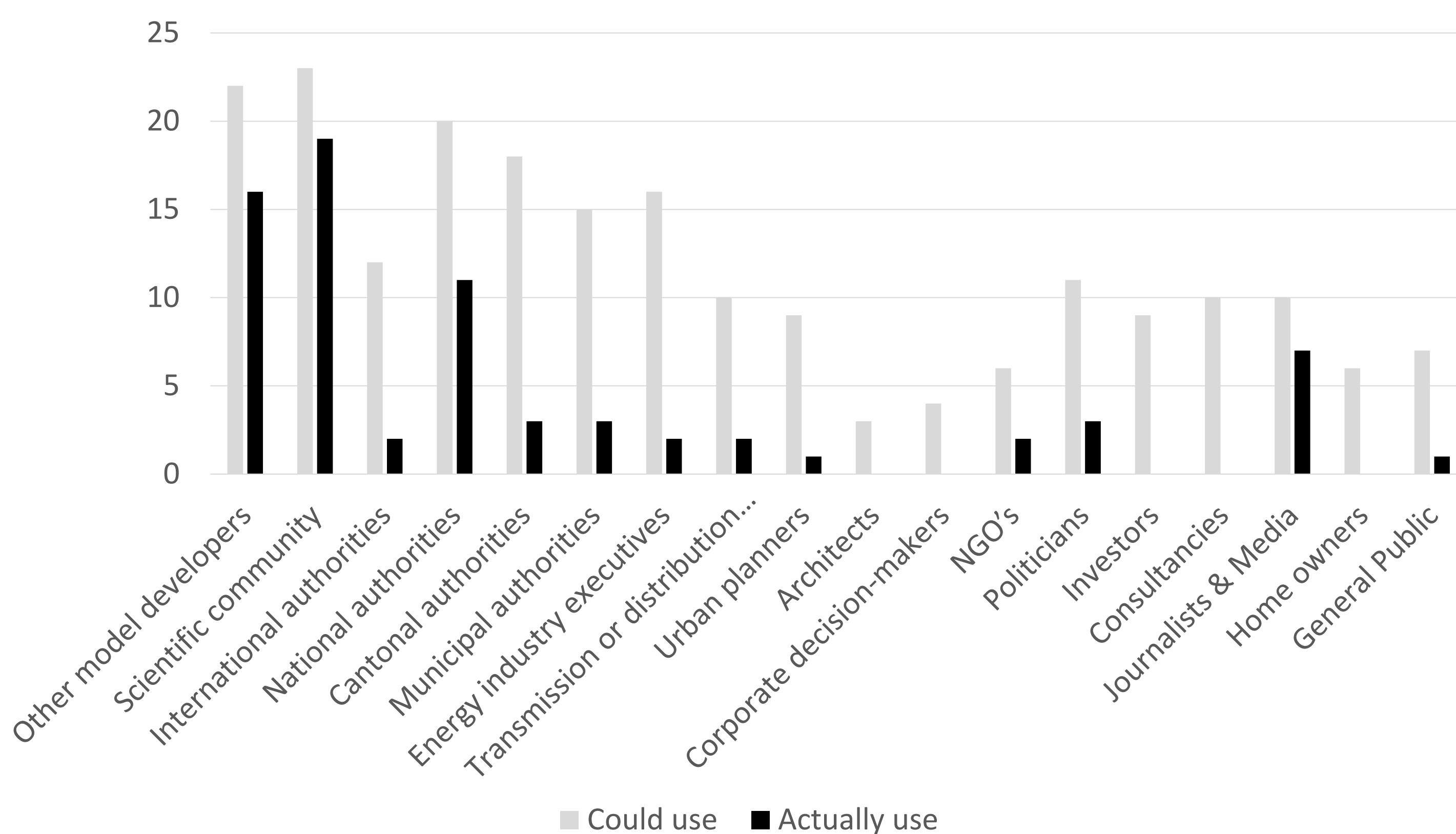
What are key aspects for the future development of energy models & scenarios?



How important do you consider the following purposes of energy models?



For whom modellers think their scenarios are useful, and by whom they are actually used



What's coming up?

- We intend to Identify user needs & capabilities on a broad empirical basis via the survey.
- Eventually, we will develop archetypal use cases that match modelling competencies with target-audiences, bridging the diversity of both modellers and users.

You can help us match modelling competencies with user needs! It only takes 10 minutes.

Modellers: If you are a modeler/scenario developer and have not yet taken part in the survey, please do so and fill out the modelling version of the survey:

If you are interested in the energy future and want to know whether energy models and scenarios could be helpful for you, fill out the stakeholder version of the survey:

If you have questions, ideas critique or... know specific stakeholders (individuals or organizations) for which energy models & scenarios might be relevant, **please get in touch!**