

Examples of Research Methods in the Study of Environmental Uncertainty

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3 messages today

- There is not one single way to define and measure environmental uncertainty.
- Aim for construct clarity –
 what does "uncertainty"
 mean in your study?
- Align your method and measurement instrument to your definition of construct.



Objectivism vs Subjectivism

Poor correlation between these two constructs, but comparing objectively derived probability estimates with an individual manager's perceptions of probabilities may be nonsensical.

"Objective" environmental uncertainty

("objective", "true", "exogenous")

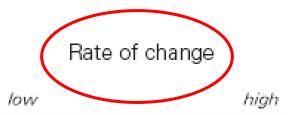
VS

Perceived "subjective" environmental uncertainty

("subjective", "perceived", "endogenous")



Objective Environmental Uncertainty Dimensions



Low Moderate low uncertainty uncertainty Complexity Moderate High high uncertainty uncertainty

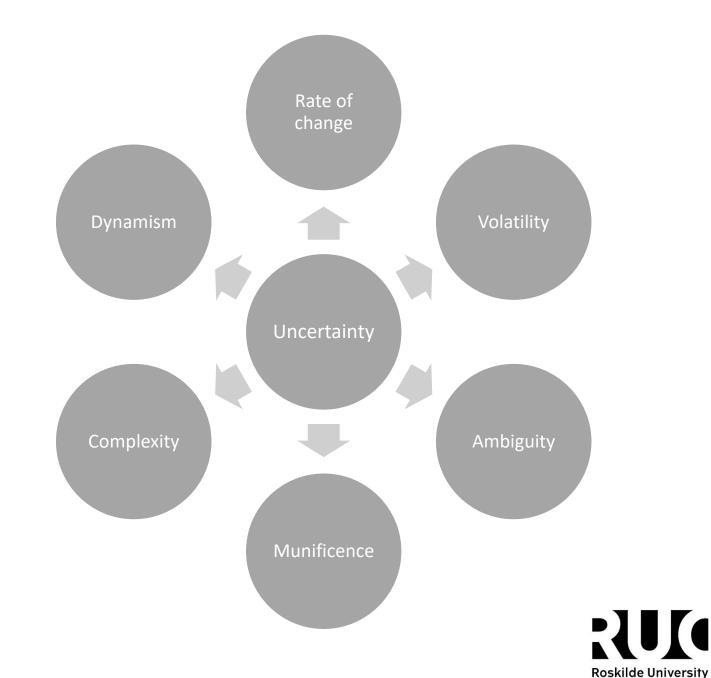
Just an example – yet this simple matrix is still the gold standard in organization theory textbooks.



Environmental uncertainty Construct validity?

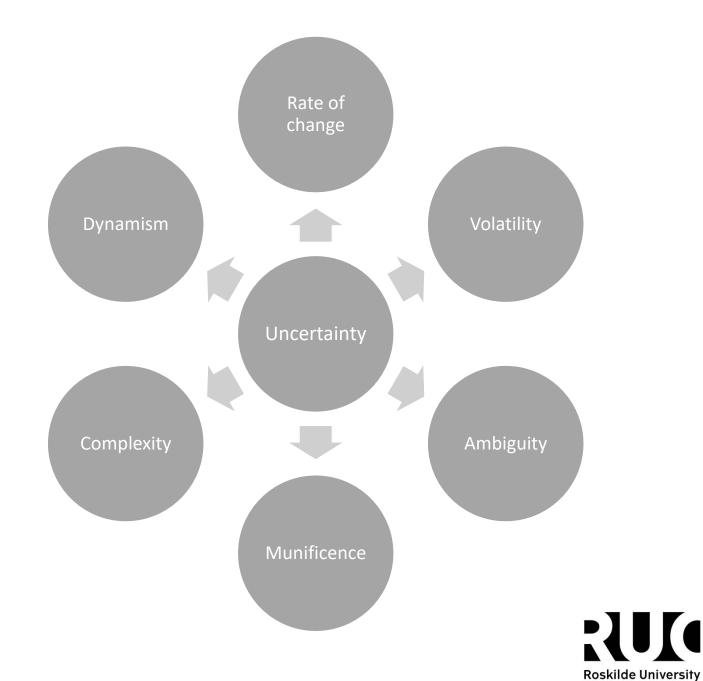
Uncertainty and associated constructs are often used interchangeably and without clarification by strategy scholars in their work.

Sometimes they are lumped together – e.g., VUCA.



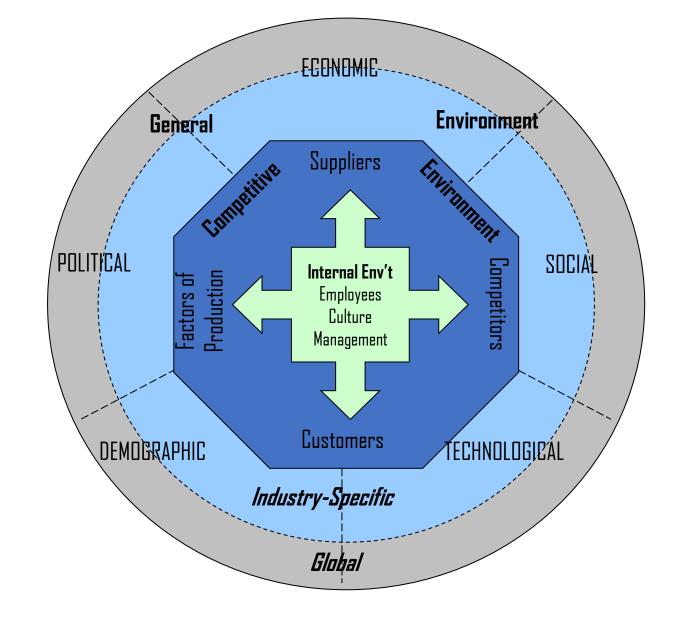


In practice, we could maybe think of these as antecedents or proxies, that can help us capture the underlying construct of uncertainty.





Uncertainty could be measured for different parts of the environment (e.g., Bourgeois 1985)







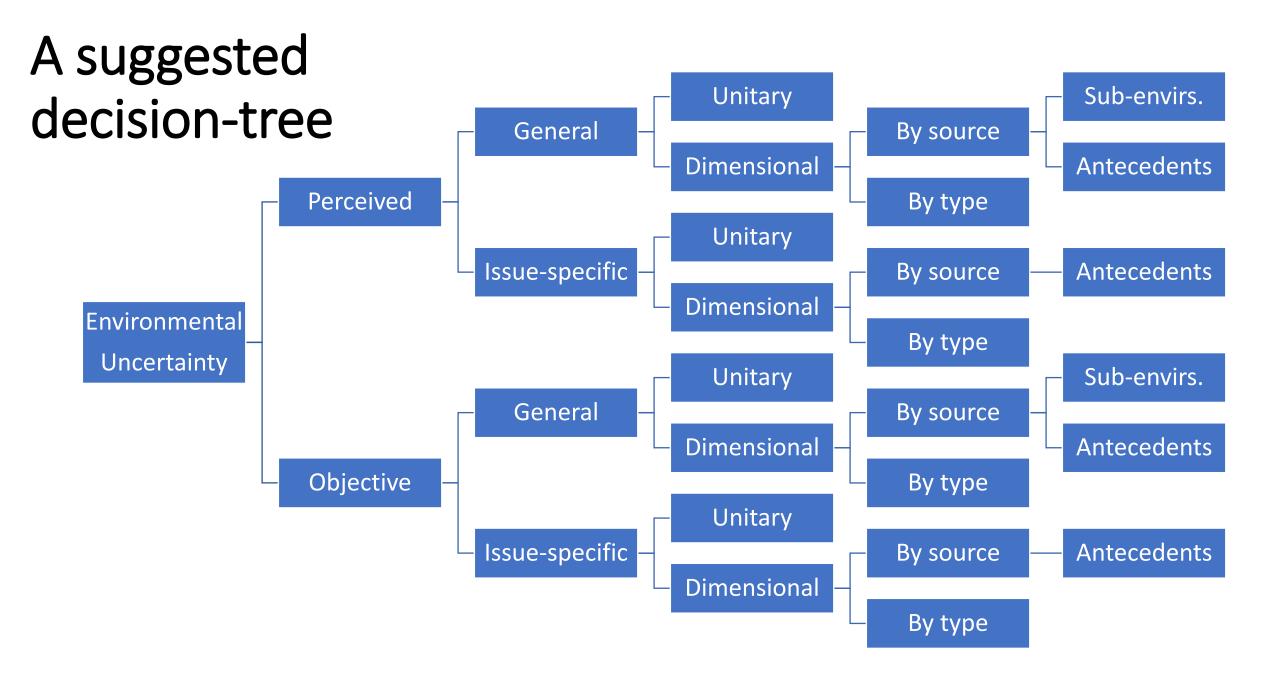
General Uncertainty

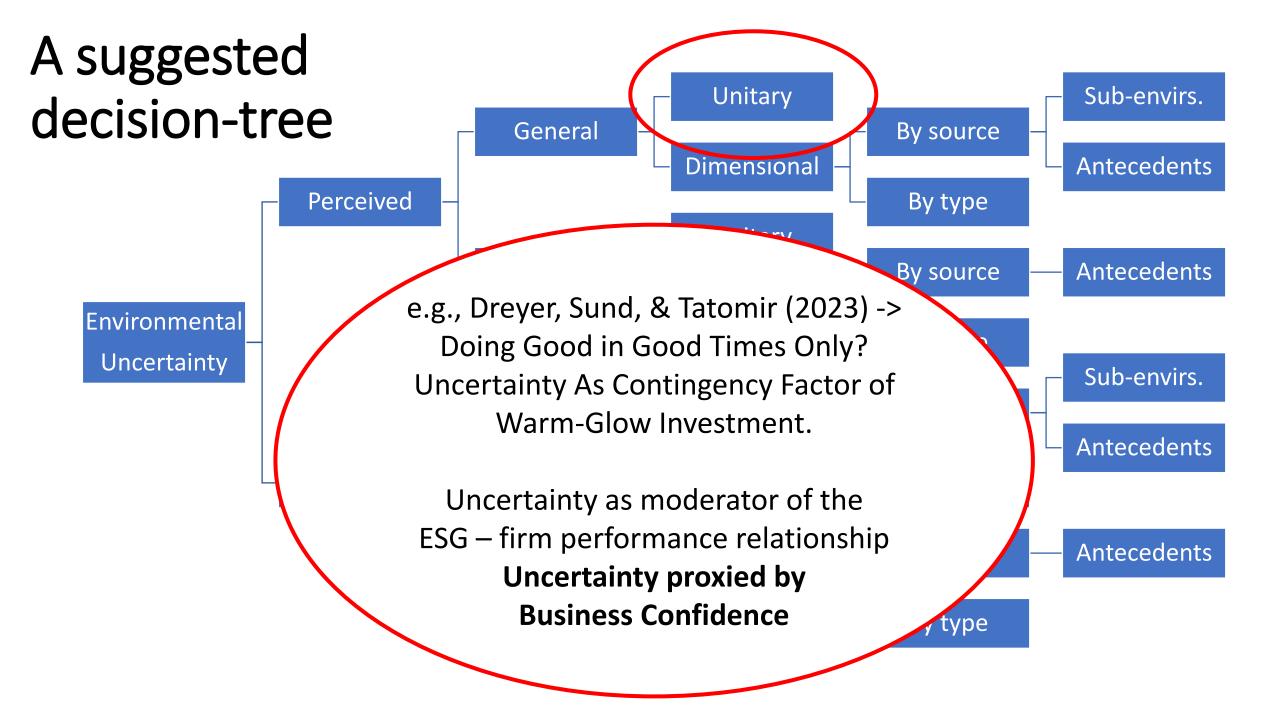
- Linked to perceptions of the general state of the environment
- Linked to decisions regarding strategic goals, organizational design, exploration vs exploitation etc.

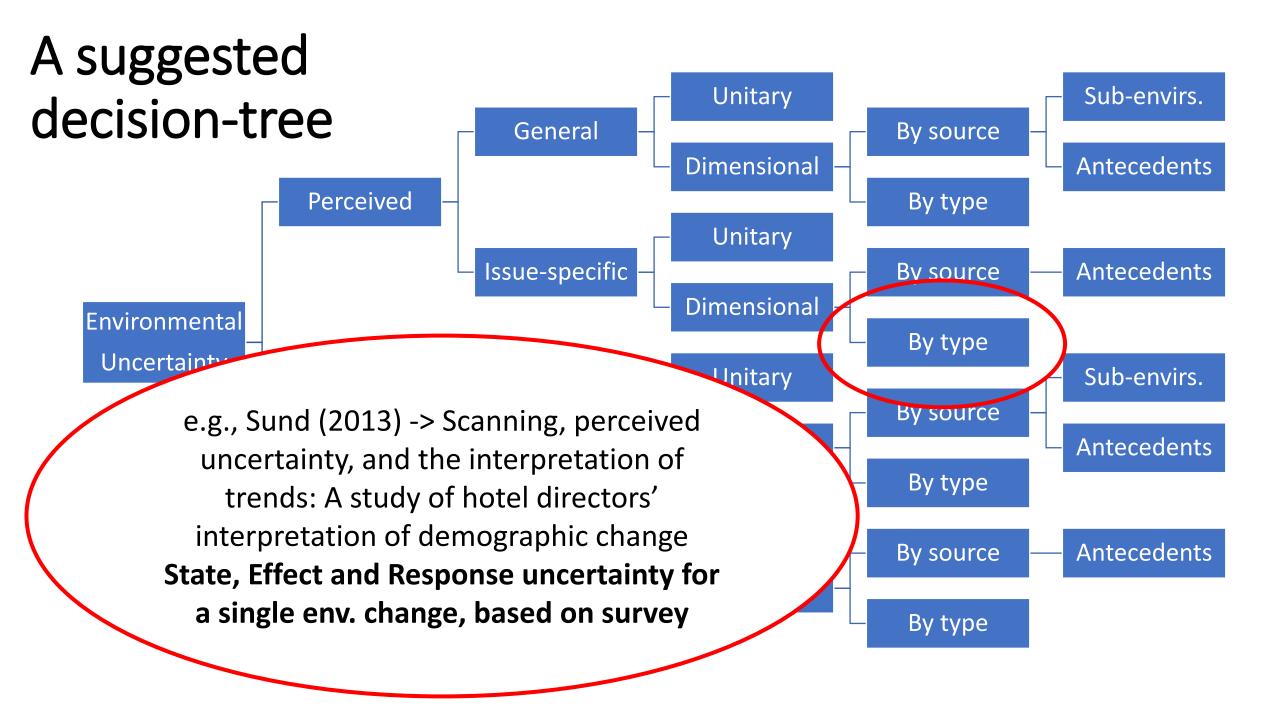
Issue-Specific Uncertainty

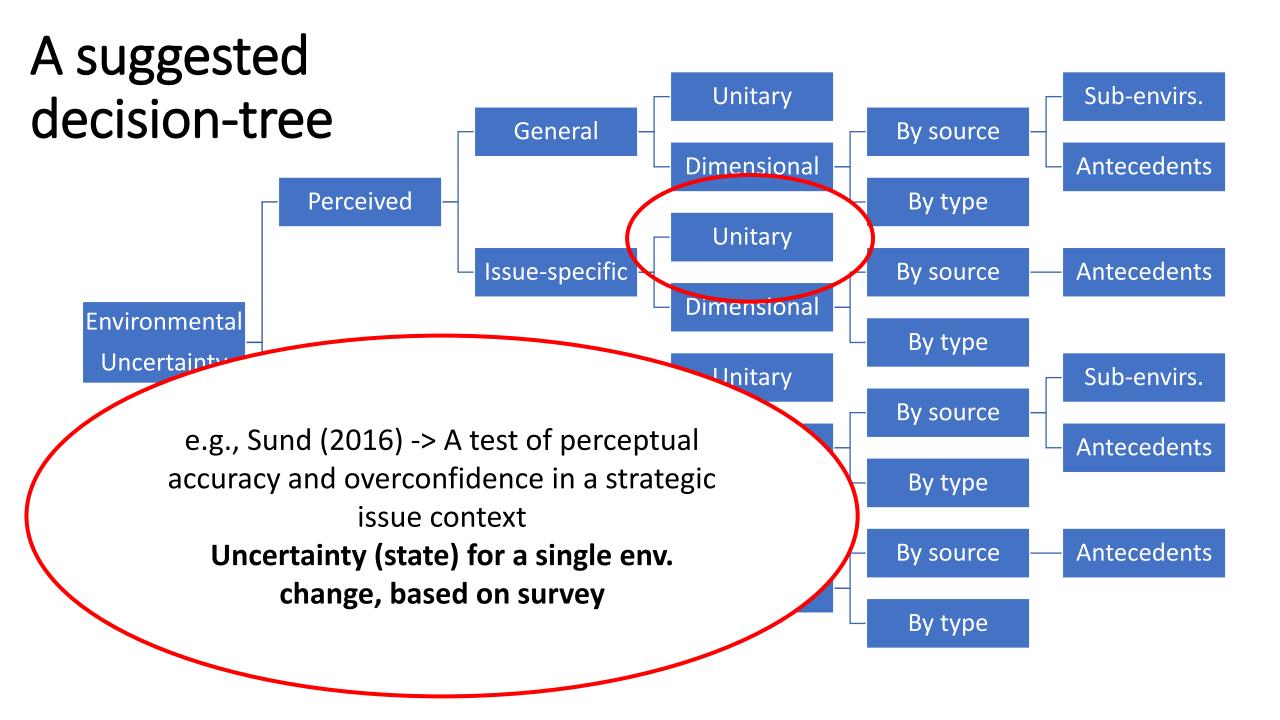
- Linked to specific environmental changes
- E.g., three types described by Milliken –
 state, effect, & response uncertainty

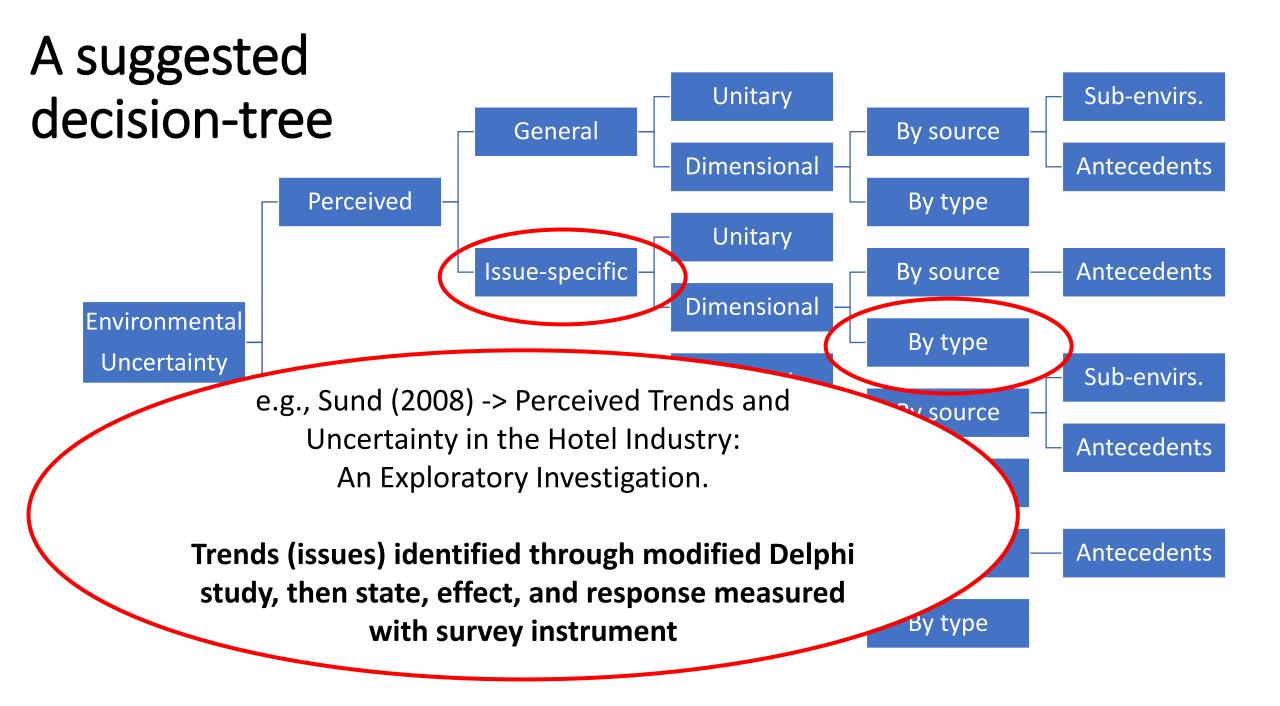


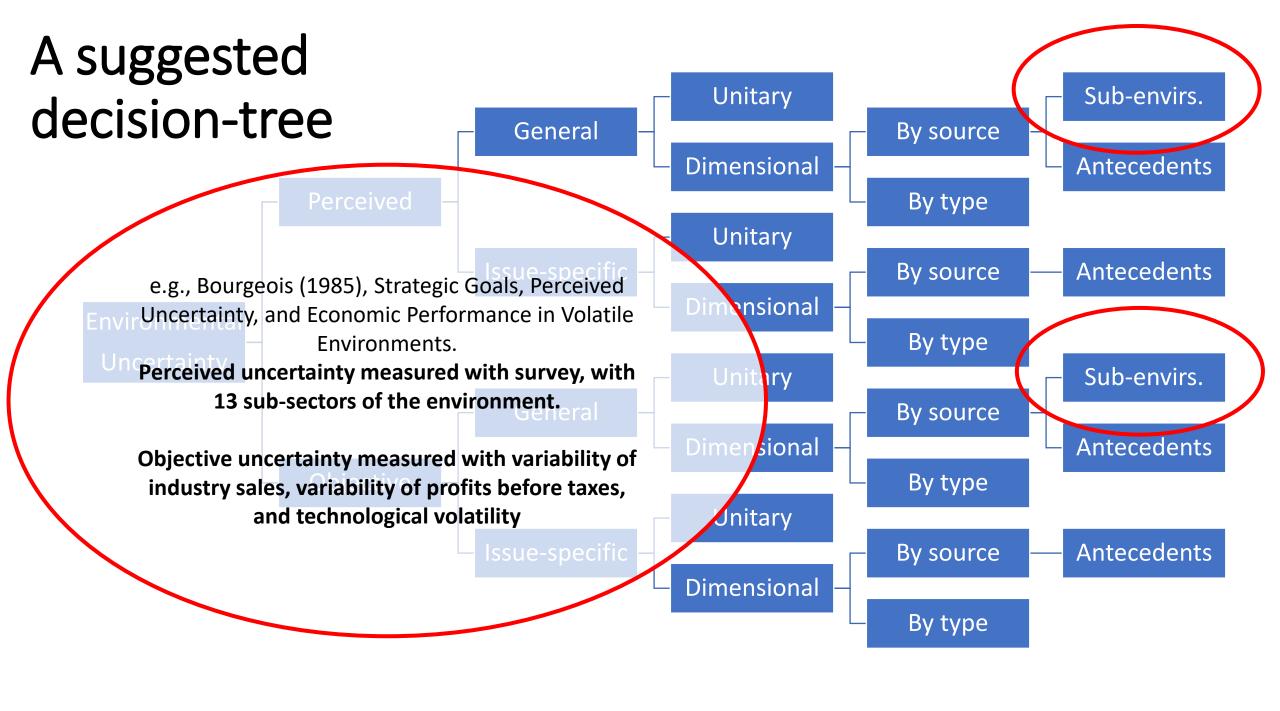


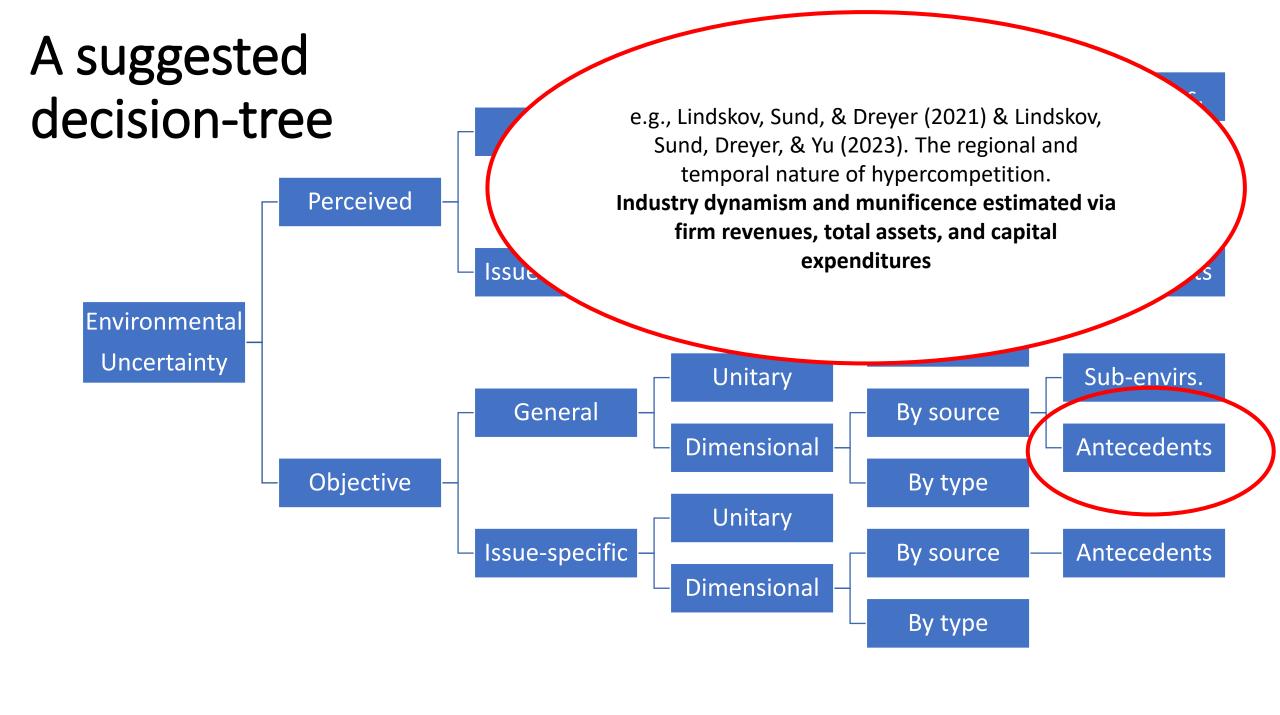


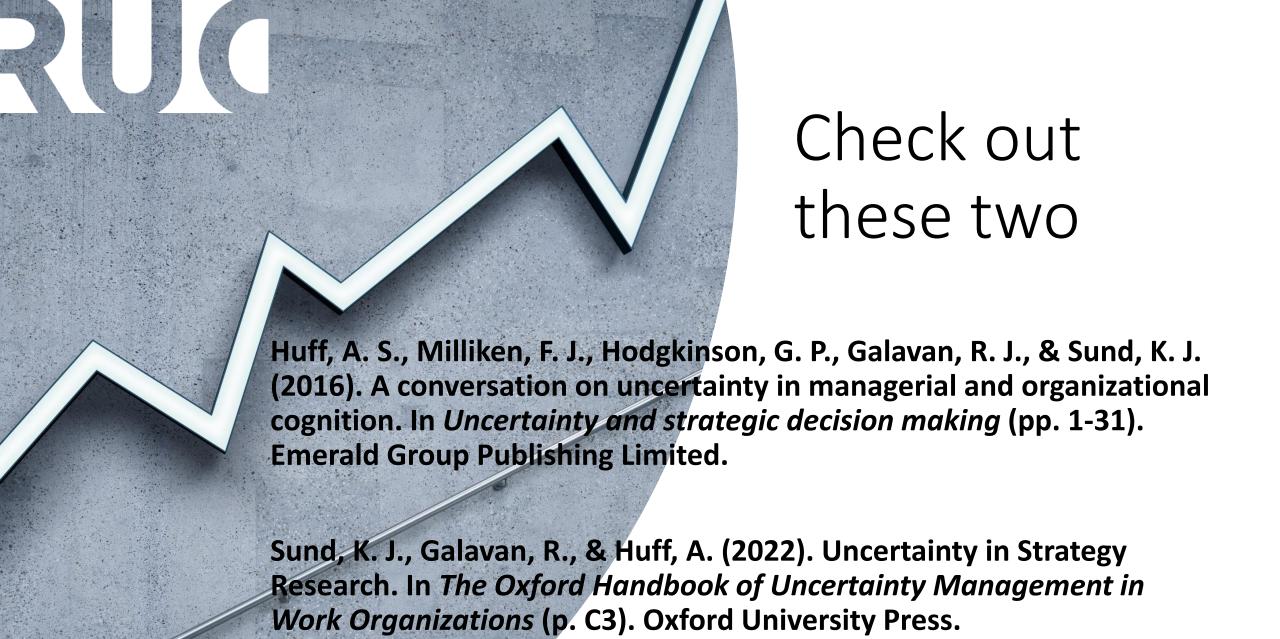














Thank you – and keep exploring uncertainty

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