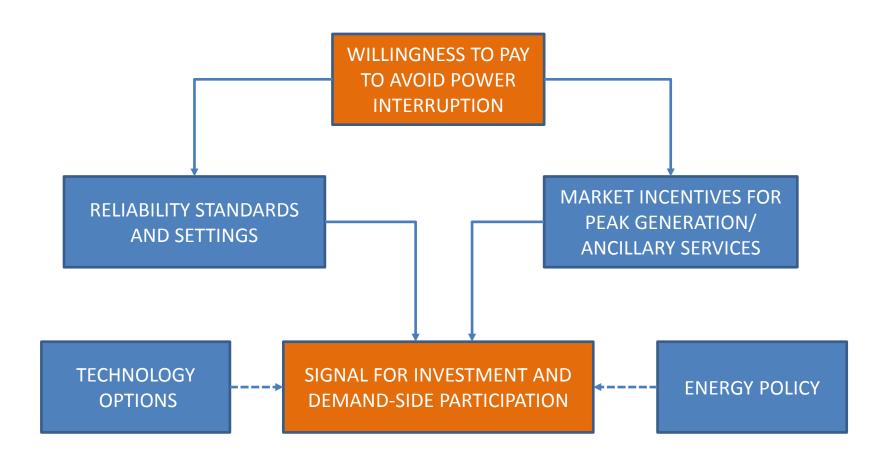
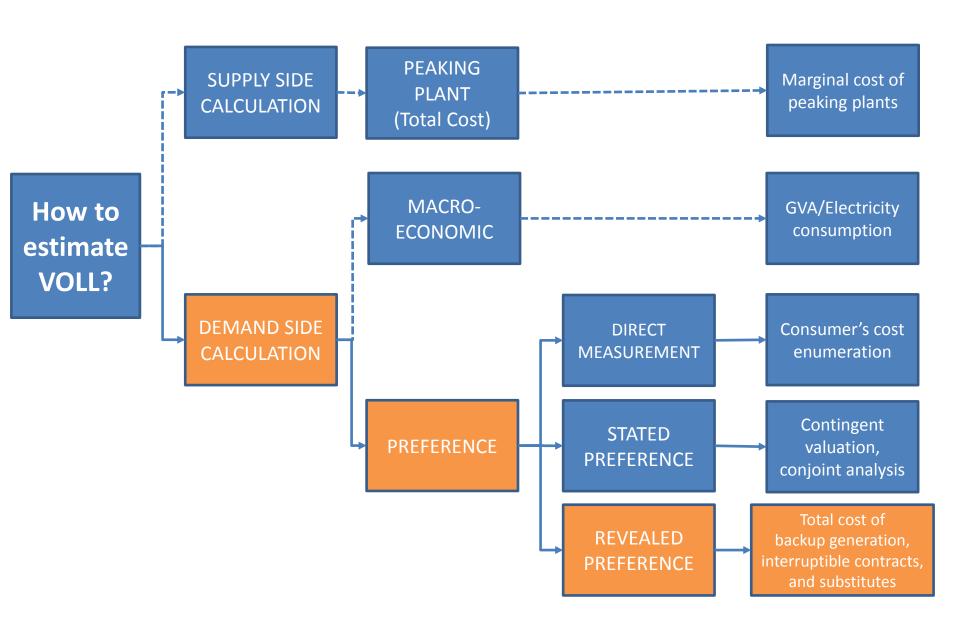


Integrating the social cost of power interruption with reliability planning

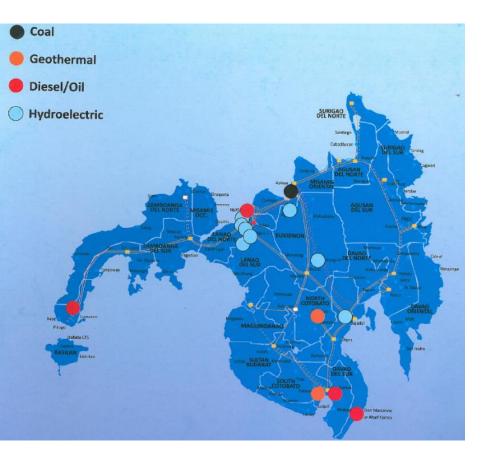






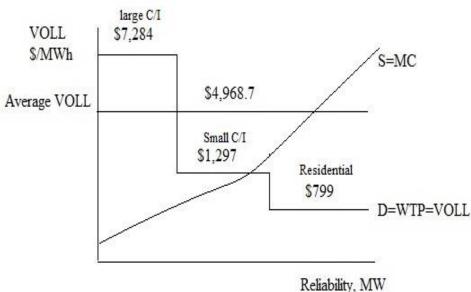


Case study: The island of Mindanao in the Philippines



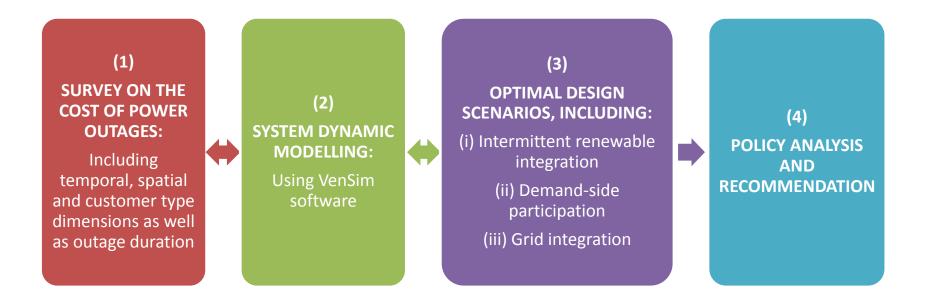
Revealed preference approach

VOLL= <u>Total cost for backup facility</u> Operational Duration





Next Steps



KEY CHALLENGES

- 1. What is the right level of **VOLL** aggregation in order to capture factors such as temporal and spatial variability?
- How to incorporate VOLL into system modelling?
- 3. Case study is a developing and insular economy with a regulated electricity market. How (much) should these characteristics be part of the system modelling?