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A Framework for Theory Development in Foresight

What does it mean to have a theory of foresight?

The academic literature has frequently observed that foresight lacks a coherent theoretical basis. The discussion on theory of foresight calls for ‘a theory’, but it rarely expounds what the scope of theorizing is or should be. We propose that ‘theory of foresight’ has three overlapping meanings which give rise to three levels of theorizing in and of foresight.

Levels of theory and theorizing in foresight

Foresight is a purposeful process of developing knowledge about the future of a given unit of analysis or a system of actors, which is aimed at action in the form of public or private policy making, strategizing and planning. Foresight is also frequently a participatory, involved and collaborative process. Leaning on this definition, we propose that foresight is:

1. An organized social process; an intervention (in an organization),
2. To create actionable and domain/context specific information or knowledge about the future

Following this definition, we propose that ‘theory of’ or in foresight means one or several of the following three things:

1. a ‘theory of the future’ as in the philosophical and methodological underpinnings of foresight as a knowledge creating activity, i.e. epistemology
2. theory of foresight as a process of organizational or social intervention and developing a theory of why foresight has the impact we observe or expect
3. domain specific theory that explains and predicts the behavior of a system of interest and gives grounds to conjectures about the future

The following table condenses the suggested framework for theory development on and within foresight. From the top, the first level is developing domain specific explanations for the behavior of the system of interest, answering why the system is in the observed state and what processes, mechanism and drivers have brought it there, which enables conjectures about its plausible future states.

The second level is developing explanations for foresight impact and more effective foresight interventions. Besides developing a macro-level explanation for the impacts of foresight, the foresight process itself is an interesting object of study in terms of group dynamics and behavior and their effects on the results and impacts.

The third and final level is epistemology, i.e. the philosophical foundation of foresight as a knowledge creating activity. Through explicit discussion we can gain insight to the boundaries of knowledge that foresight can produce.

We argue together with others that more rigorous theory development would both improve quality of foresight and its impact to society. Theory can contribute to better, more repeatable and effective foresight interventions. Additionally, discussion on epistemology of foresight helps researchers and practitioners understand the borders of knowledge created in foresight and its applicability. Thus we encourage discussion about and around this framework for theorizing in and of foresight.

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