I will present a logic for reasoning about evidence-based knowledge and beliefs and the evidential dynamics of non-logically-omniscient agents. I will adapt the key tools and techniques from Dynamic Epistemic Logic, Justification Logic, and Belief Revision in order to provide a lightweight, yet fine-grained approach that characterizes well-known epistemic and doxastic attitudes in the terms of the evidential reasoning that justifies these attitudes. As a result, I will argue that this approach can serve as a lynchpin in the formal analysis of complex dynamic epistemological reasoning scenarios, such as e.g. in various Gettier-type cases. This presentation is based on joint work with A. Baltag and B. Renne (University of Amsterdam).