- Let $e_i \in \mathcal{E}$ denote an event that affects a system (model)
- Let $\tau: S \times \mathcal{E} \to 2^S$, denote a state transformer function • Hence, an actor interacting with a system generates a *trace*:

• Let $s_i \in S$ denote a state of a system (model)

Hence, an actor interacting with a system generates a *trace*:

$$s_0 \xrightarrow{e_0} s_1 \xrightarrow{e_1} s_2 \xrightarrow{e_2} s_3 \dots s_n \in \mathcal{T}$$

- And induces a corresponding institutional trace: