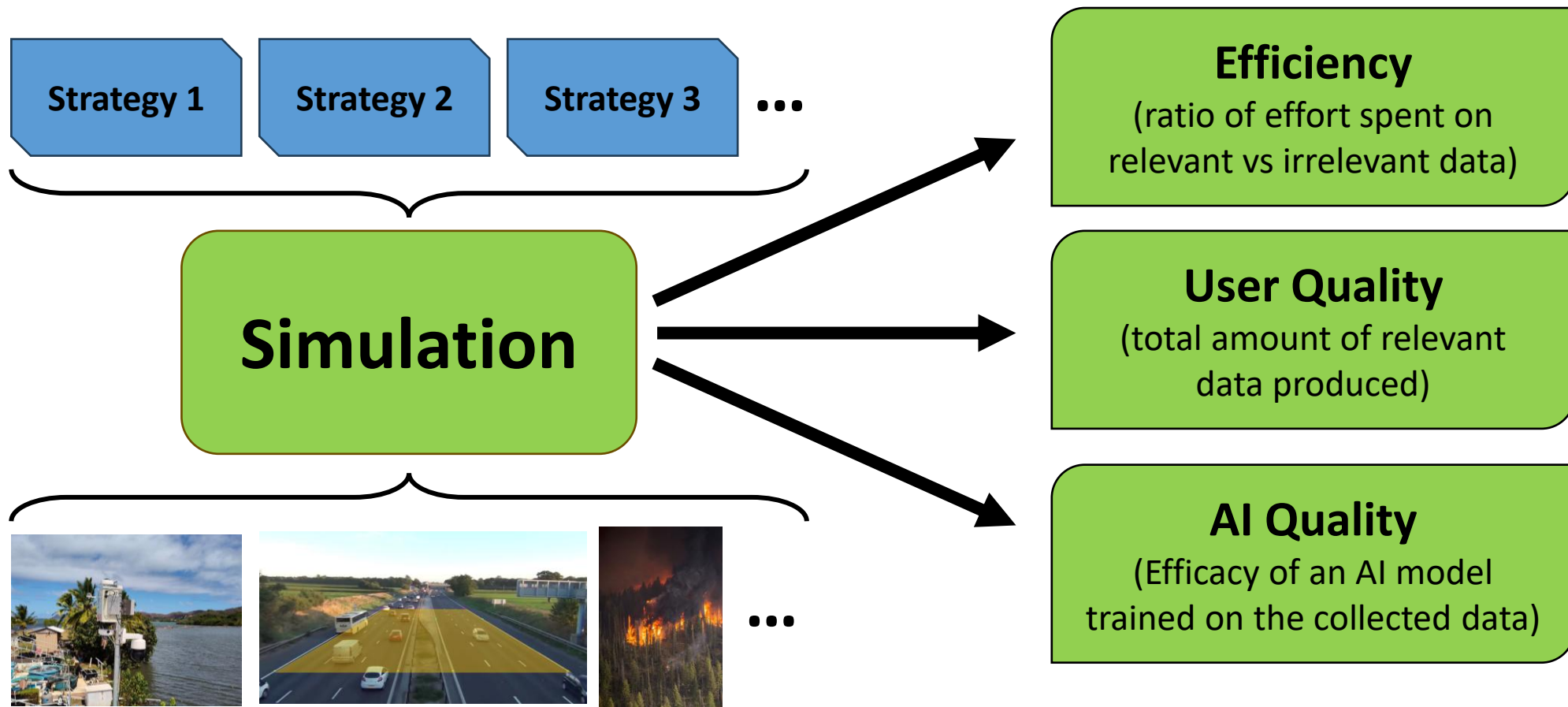


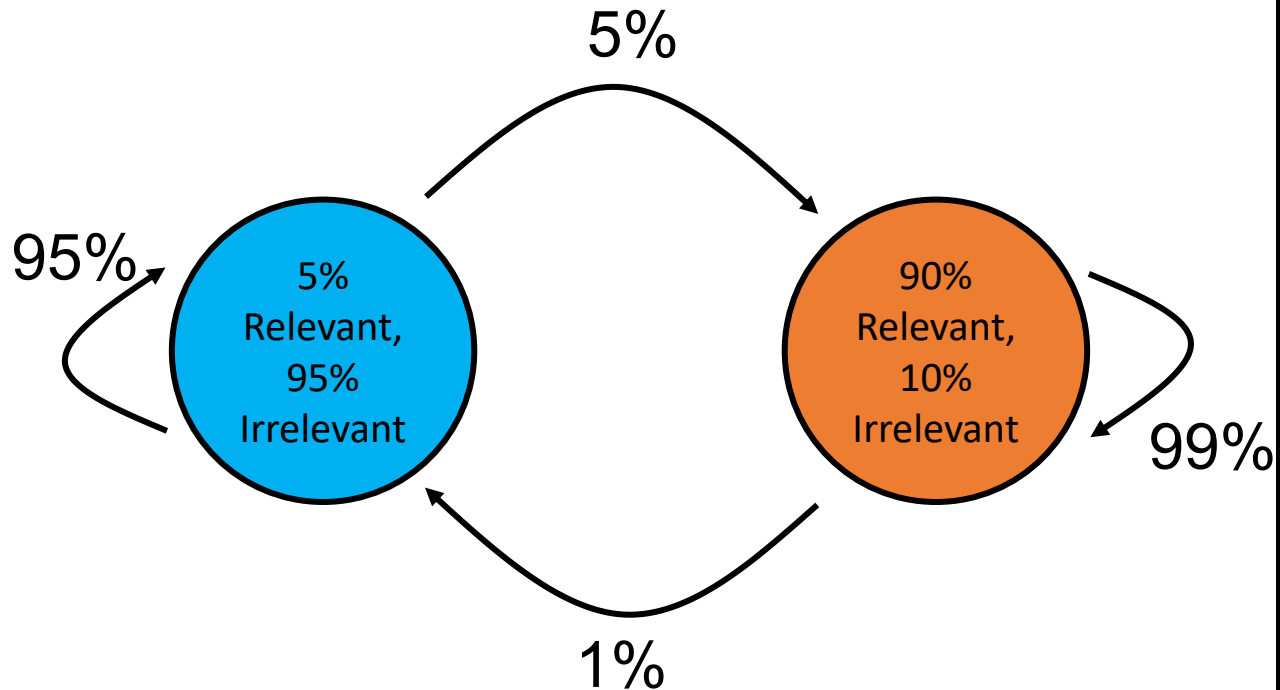
# How do Different Data Collection Strategies Affect the Quality of AI Models for Environmental Sensing?

To investigate our strategies' performance, we will use a **simulation** motivated by actual SAGE applications to analyze the *efficiency* and *quality* of the collected data.



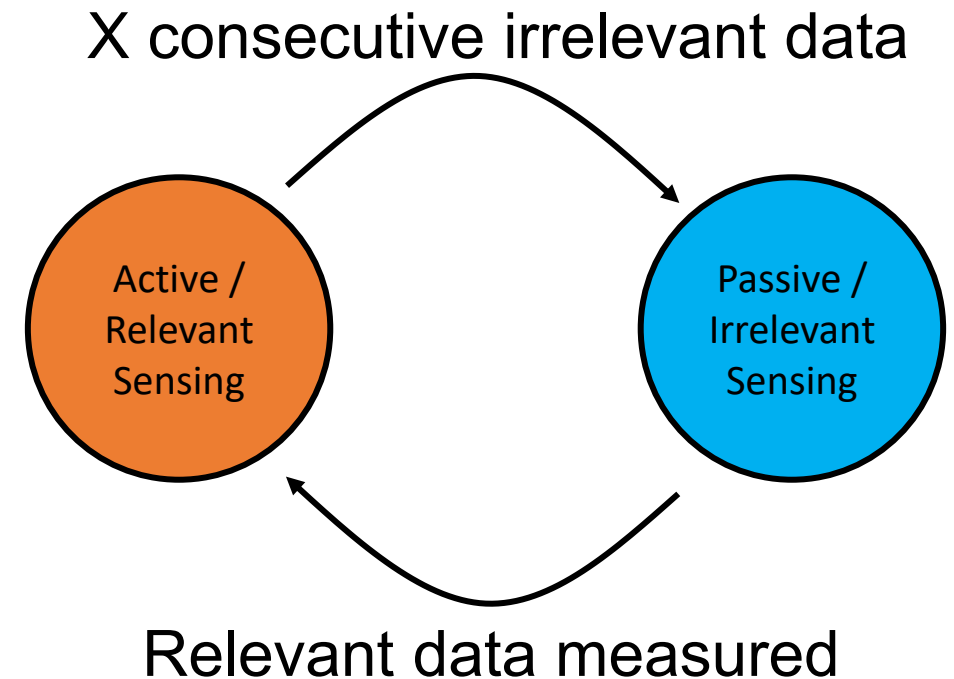
## Environmental Model

Purely Markovian



## Data-Collection Strategy

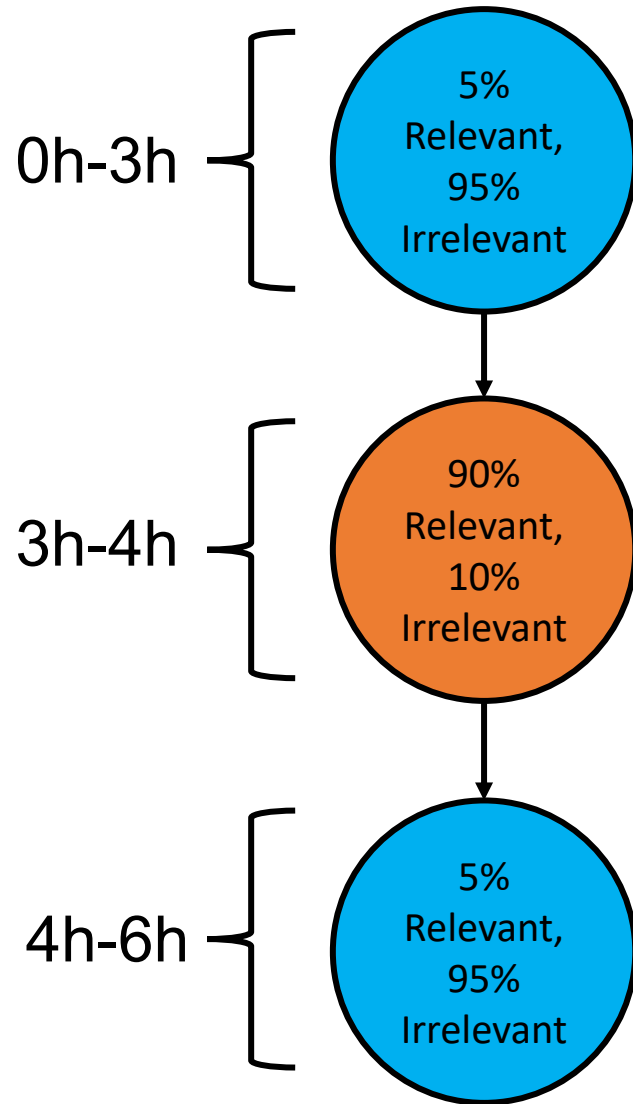
Purely Markovian



**Are measurements always accurately classified?**

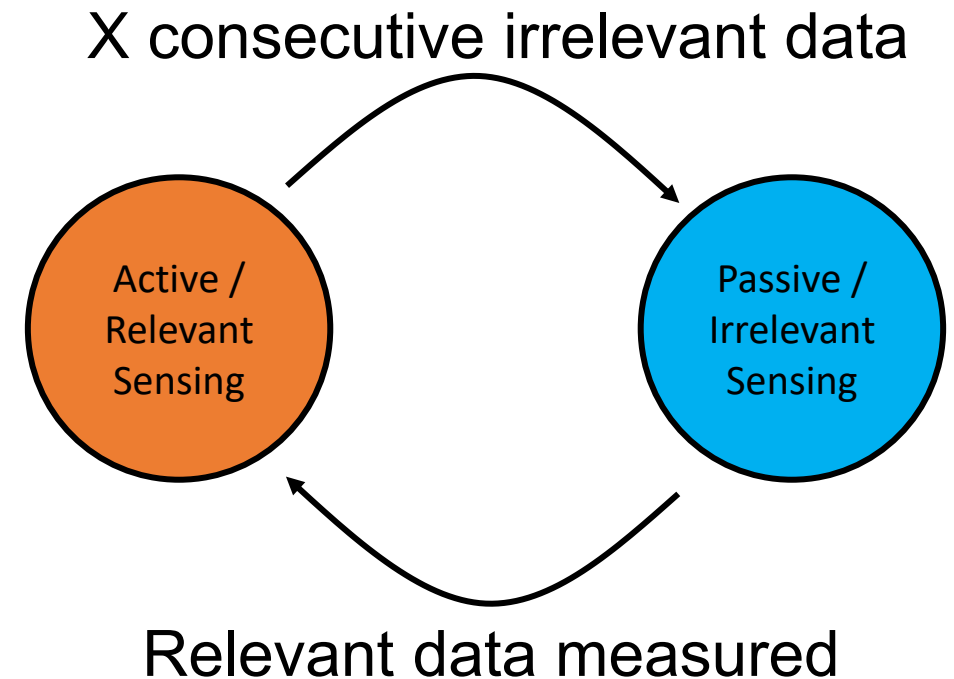
# Environmental Model

Correlations in Time (Preset)



# Data-Collection Strategy

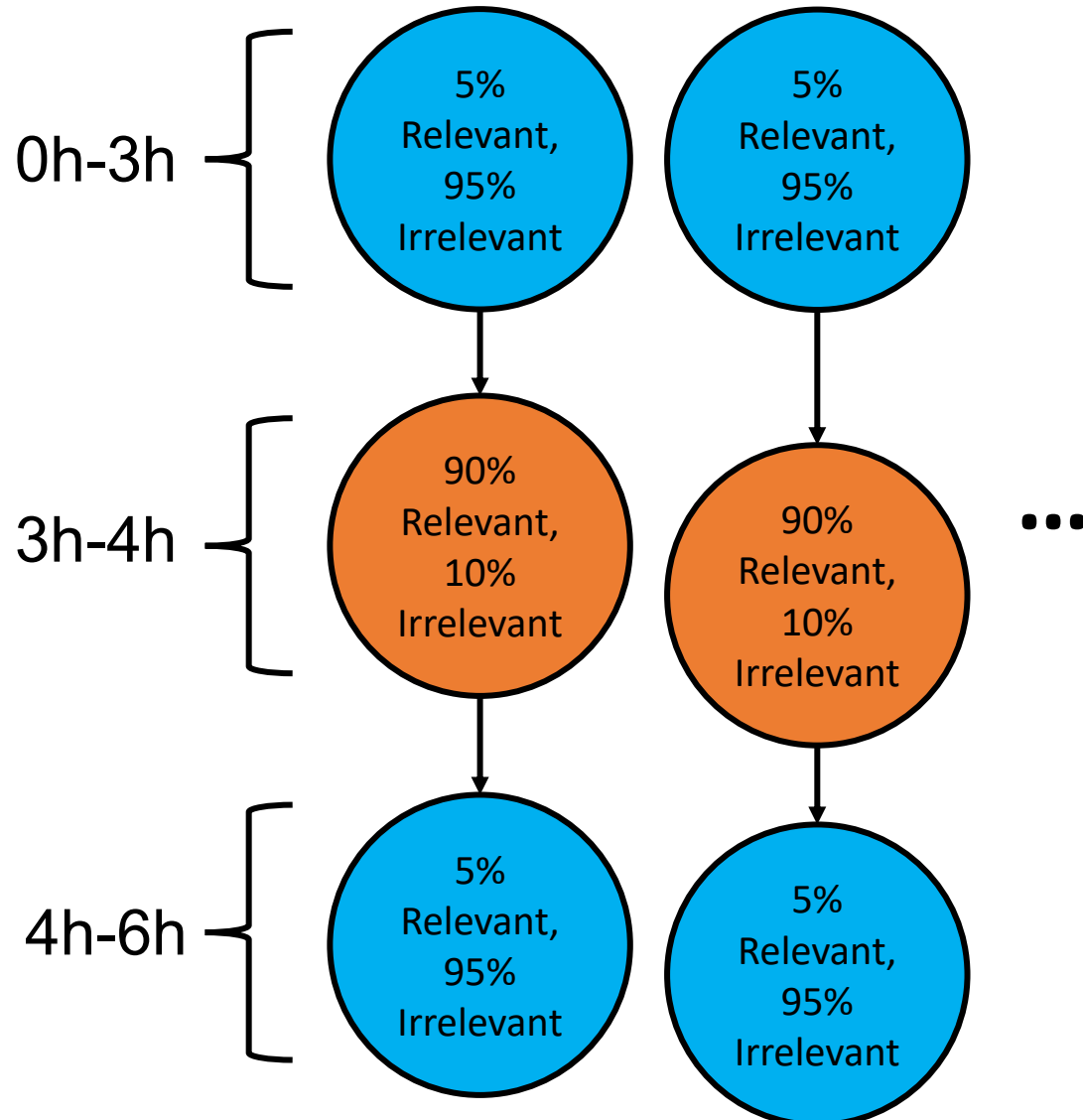
Purely Markovian



If the active time periods are known, pre-program them in?

# Environmental Model

Correlations in Space (Preset)



# Data-Collection Strategy

Listen for Neighbors

