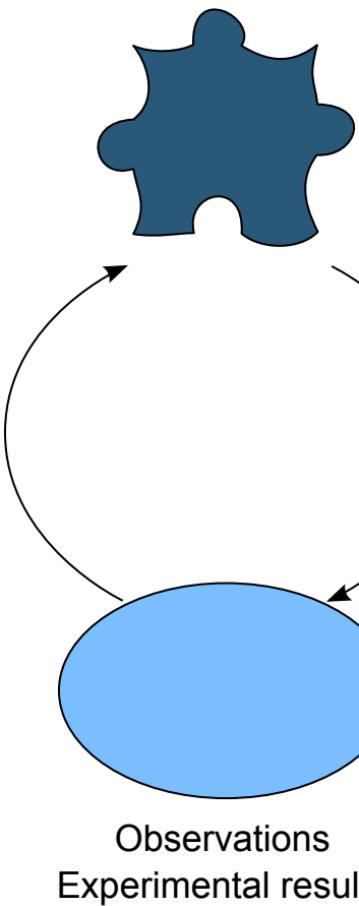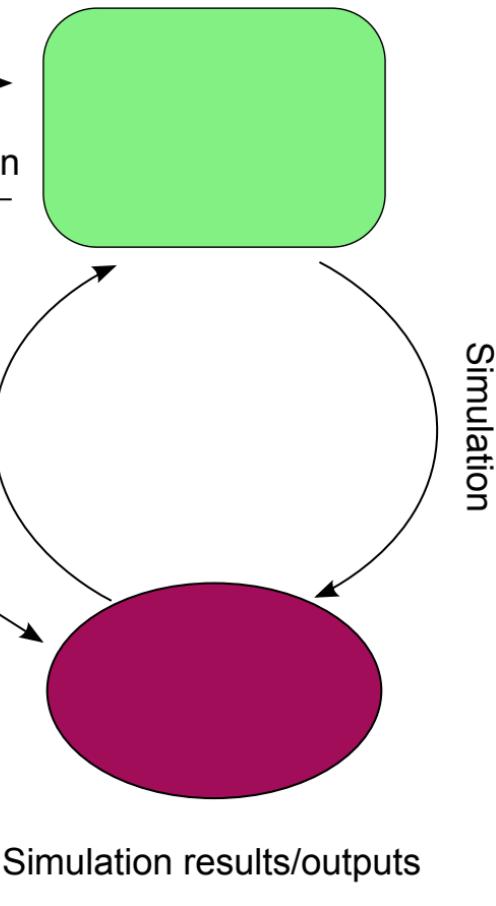Real System

System Model

Abstraction/Simplification/Focus

Explanation/Optimization/Prediction

Confrontation

Tuning model

Simulation

Observations
Experimental results

Simulation results/outputs