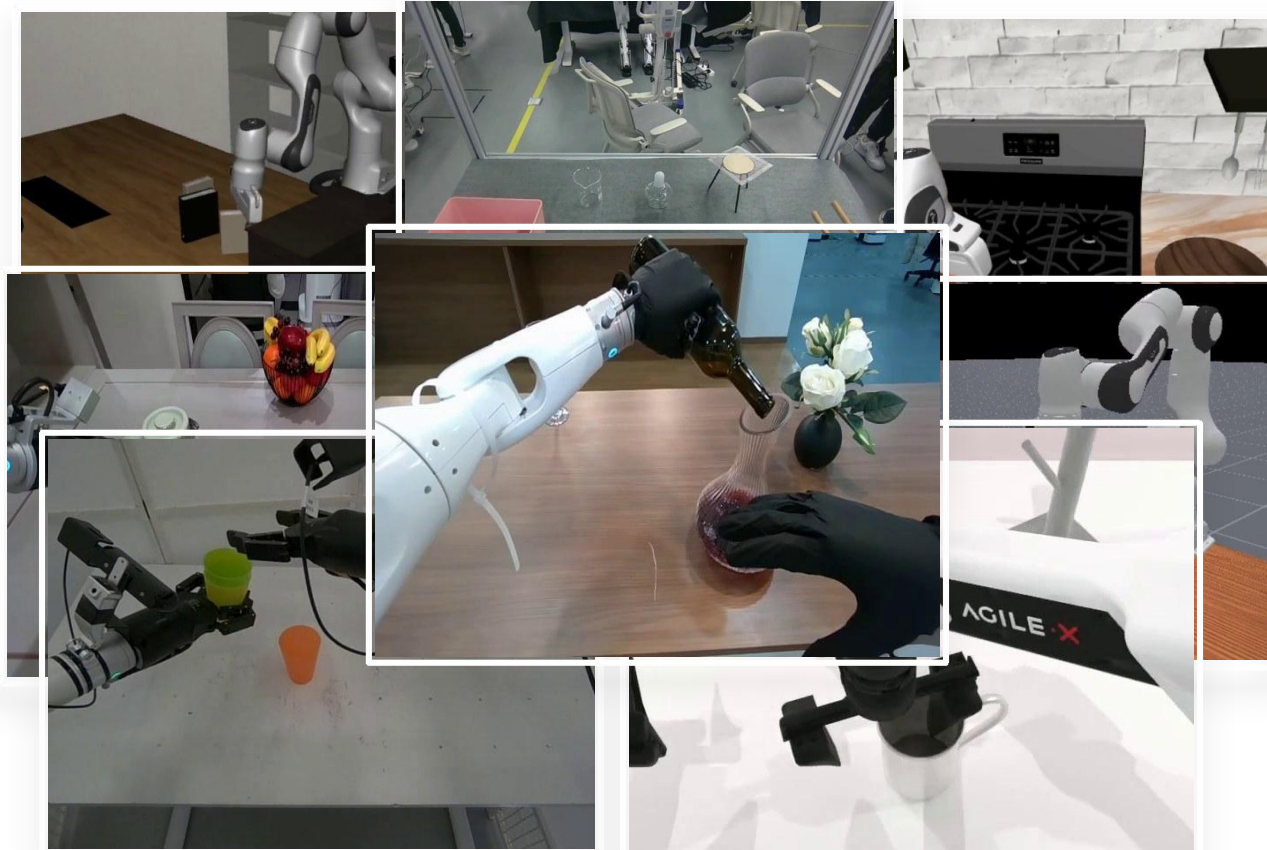


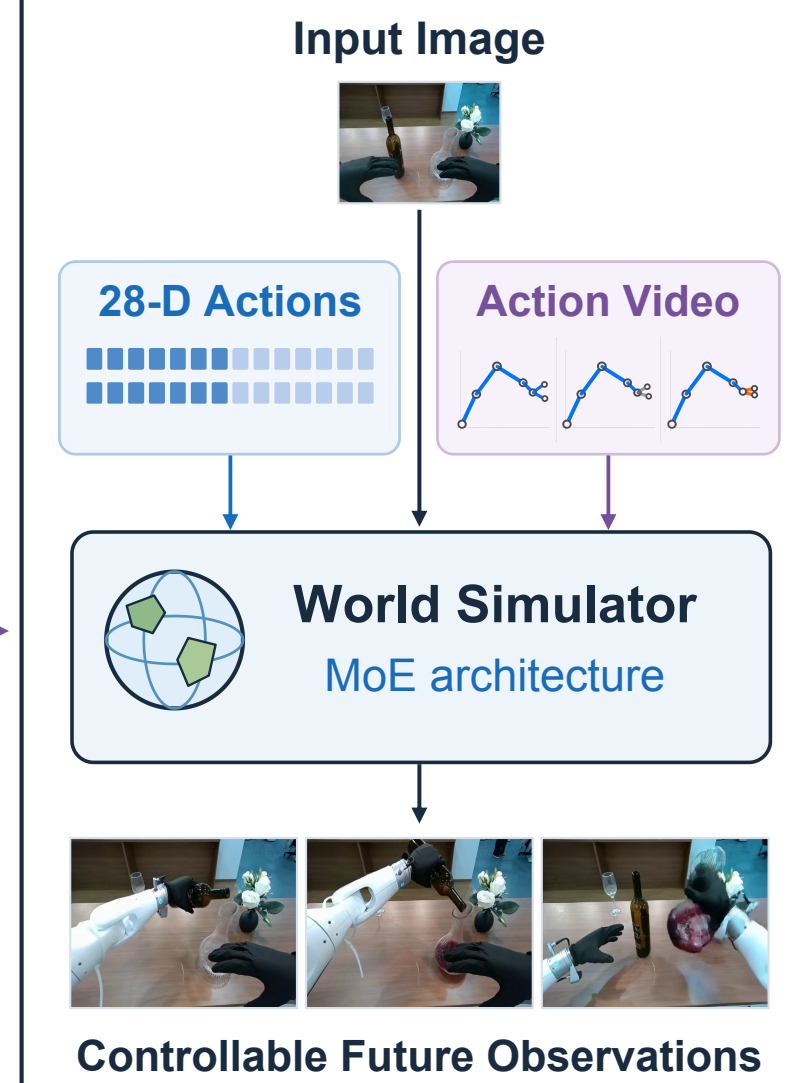
Diverse Training Data

~1M Trajectories (8,000 Hours)

Real-World and Simulated Robot Data

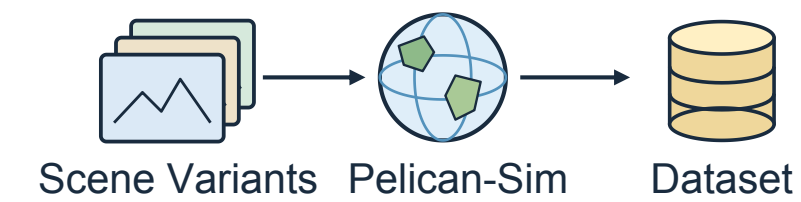


Pelican-Sim 1.0



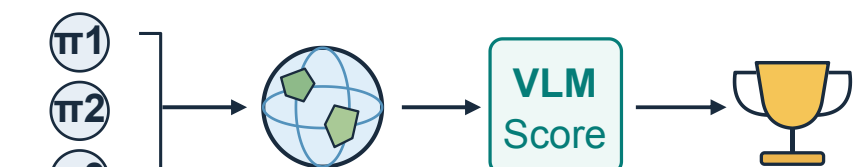
Downstream Applications

Data Generation



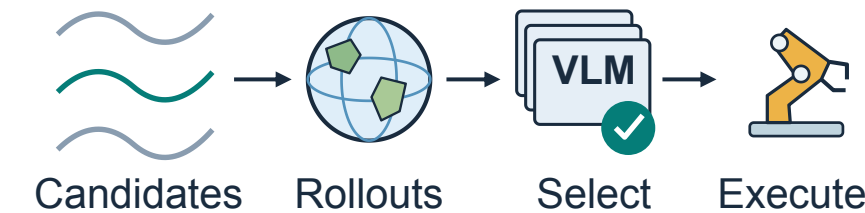
Generate Data for Policy Training

Policy Evaluation / Ranking



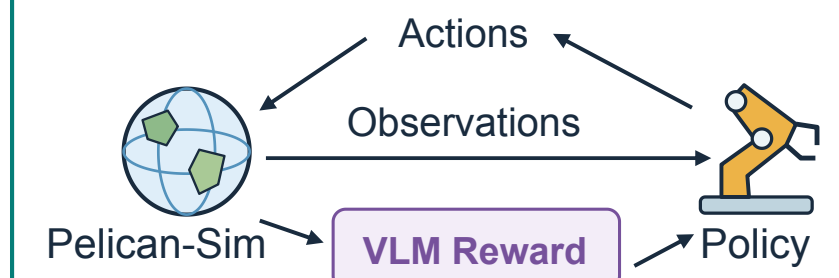
Estimate Success Rates & Rank Policies

Action Selection



Select action using predicted outcomes

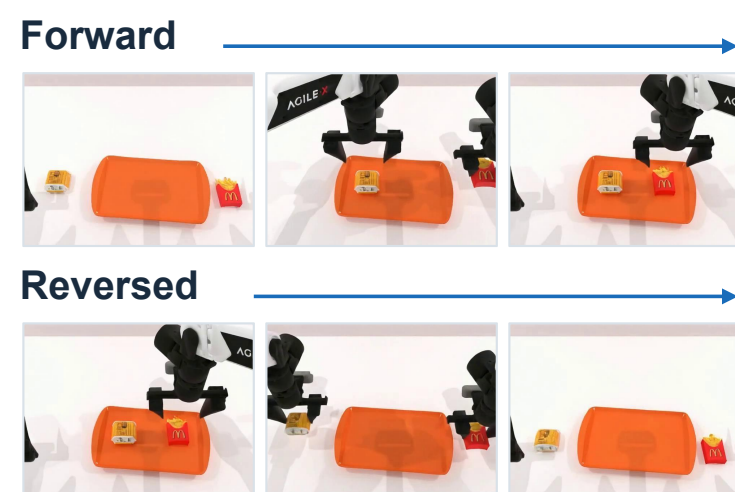
Policy Improvement



Closed-Loop Imagination

Strong OOD Generalization Across Five Dimensions

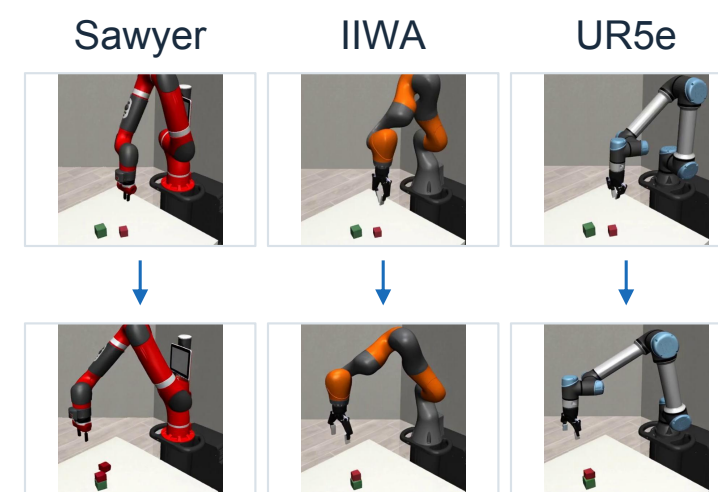
Trajectory



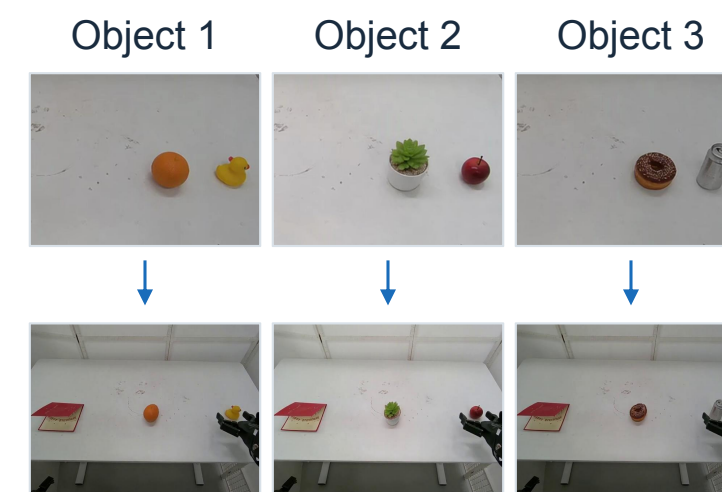
Scene / Appearance



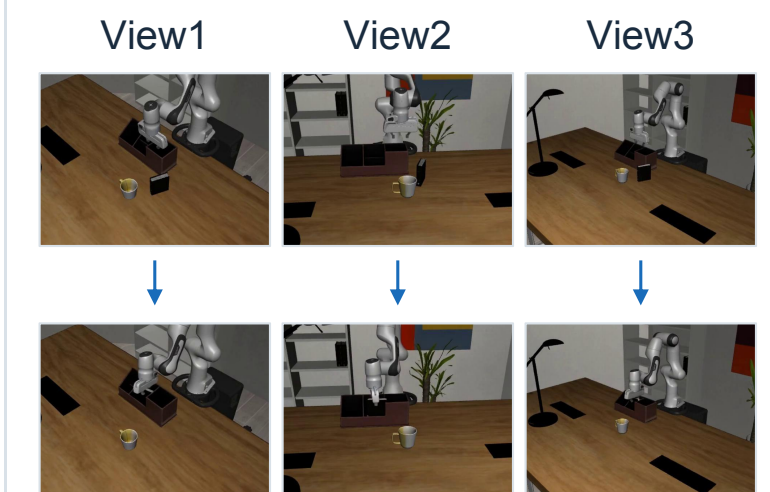
Embodiment



Object



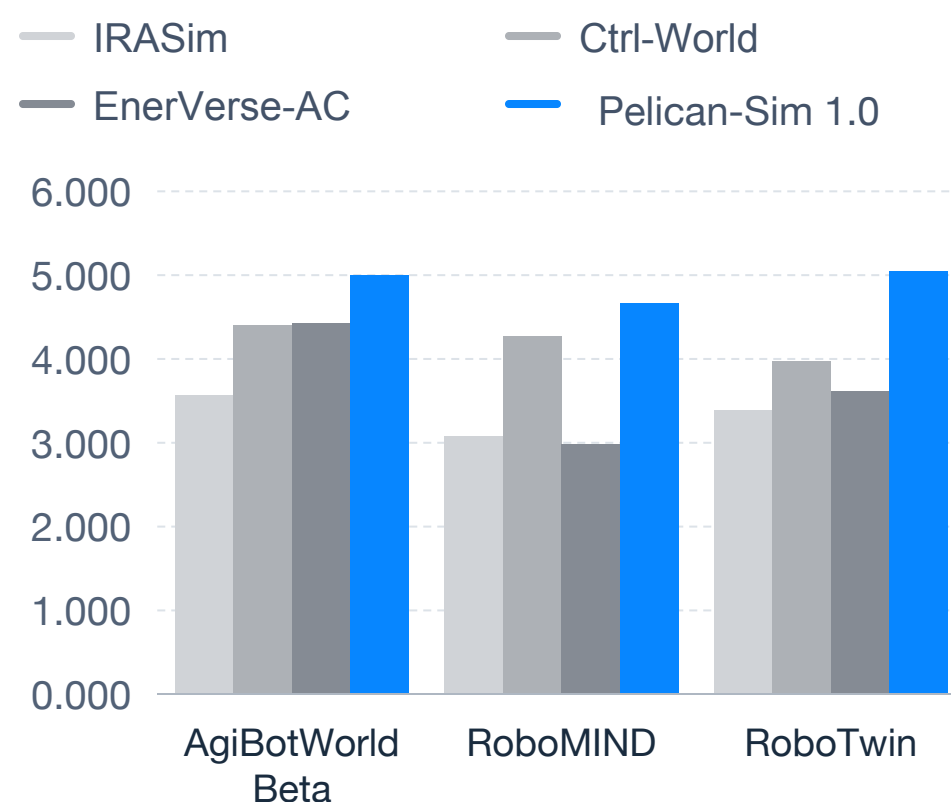
Viewpoint



Improved Generation and Downstream Performance

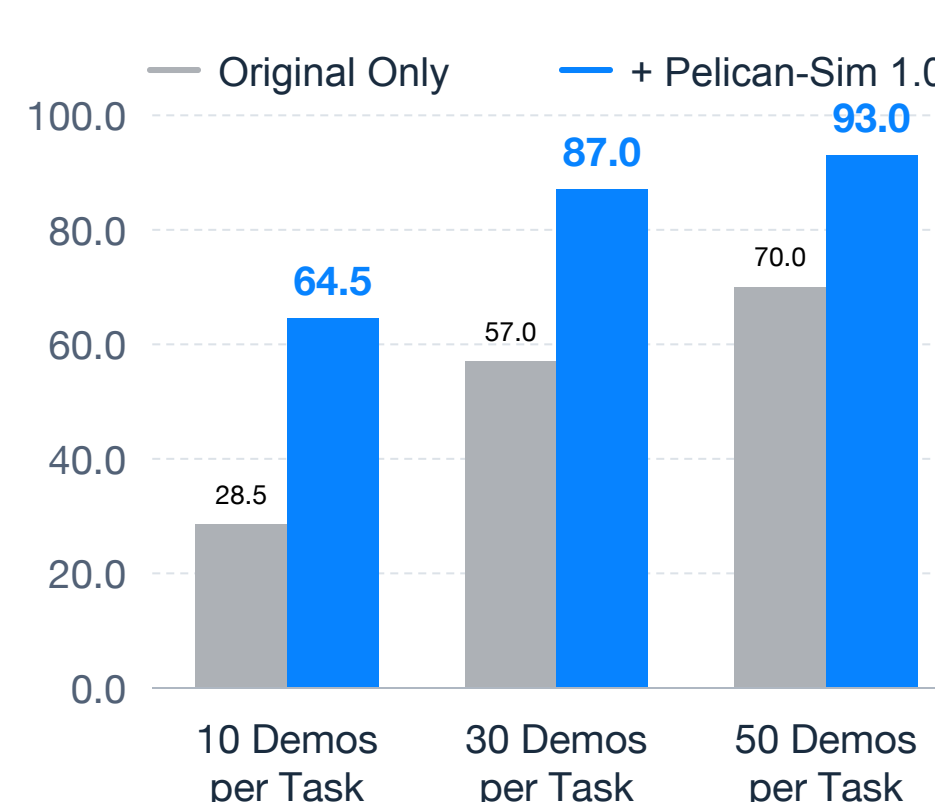
EWM-Bench

Overall Score $\uparrow$



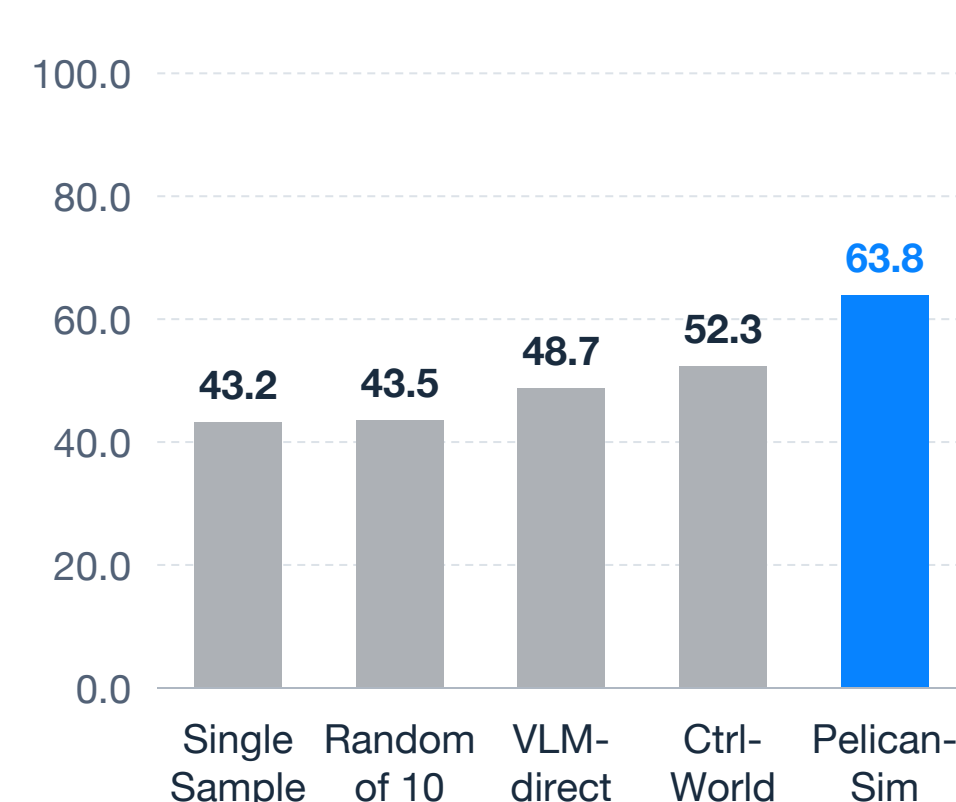
Data Generation

Success Rate (%)



Action Selection

Success Rate (%)



Policy Improvement

Success Rate (%)

