



## Simulated Time (Timesteps)





Current predictors for resource overcommitment have low effectiveness.

- Resource usage overestimation
- Very little resource savings
- Overcommitment rarely achieved



A highly accurate predictor can enable **59% higher resource savings**, on average, compared to current approaches.

## **Future Research**

## What predictive model to use?

Lightweight solutions

Practical Integration of ML & simple heuristics



We need a predictor that accurately predicts and closes the existing gap in attainable resource savings.



Scan for code and paper:

