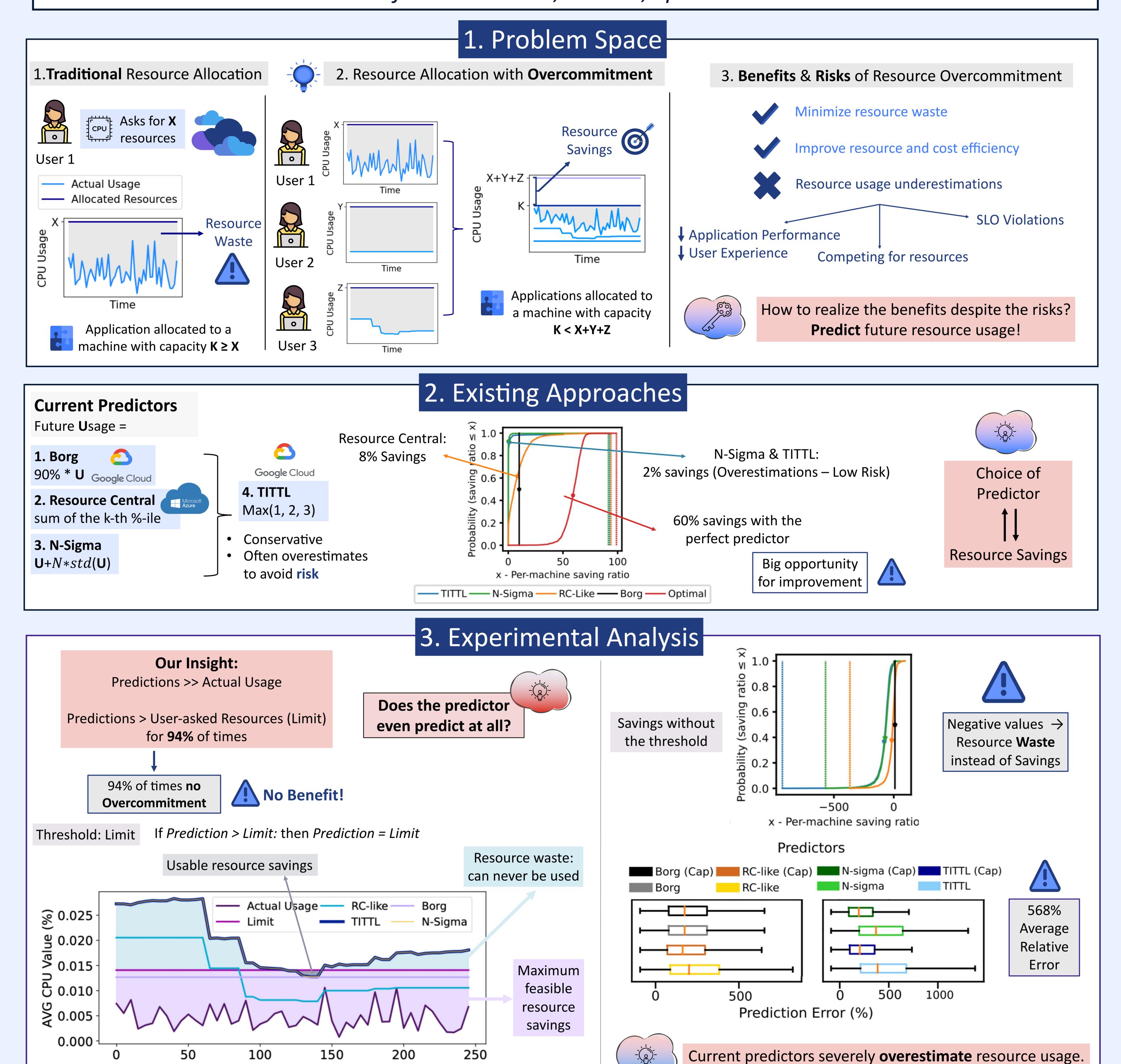
## Do Predictors for Resource Overcommitment Even Predict?



Georgia Christofidi

Thaleia Dimitra Doudali

IMDEA Software Institute, Madrid, Spain



## 4. Summary

Current predictors for resource overcommitment have low effectiveness.

Simulated Time (Timesteps)

- 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?



Practical Integration of ML & simple heuristics

High Prediction Accuracy

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



Scan for code and paper:

