

ConceptGraphs: Open-vocabulary 3D Scene Graphs for Perception and Planning



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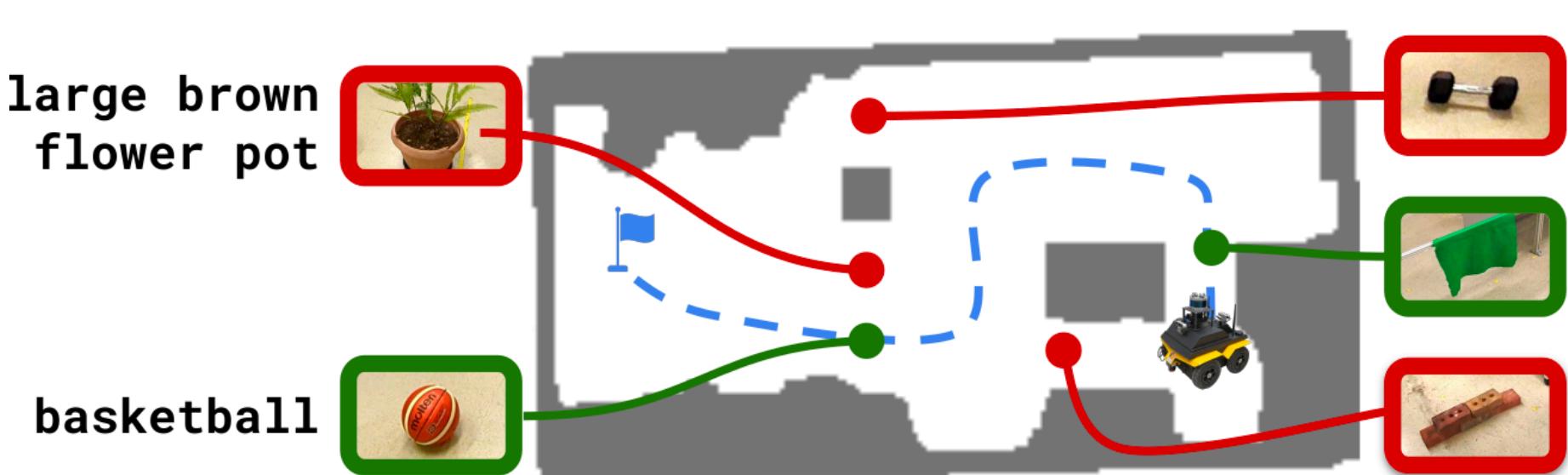
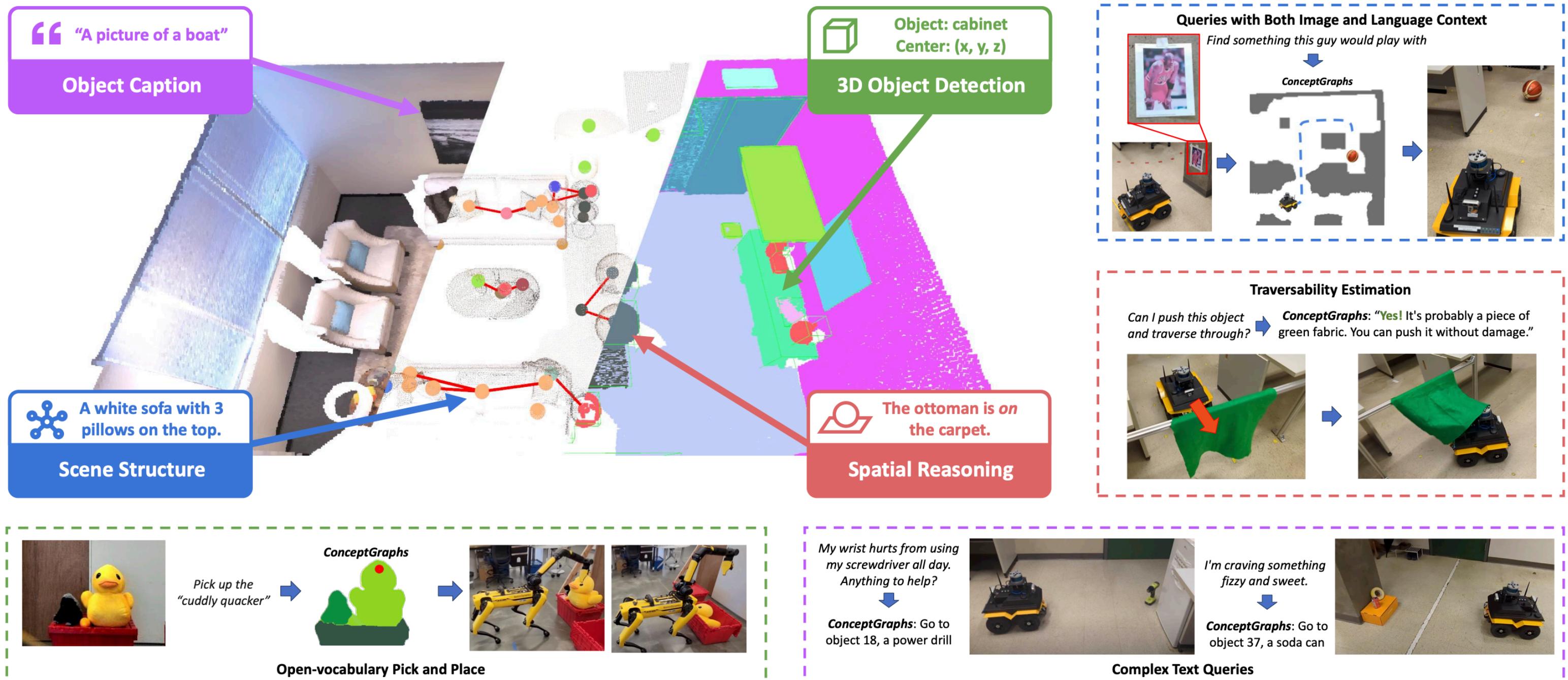
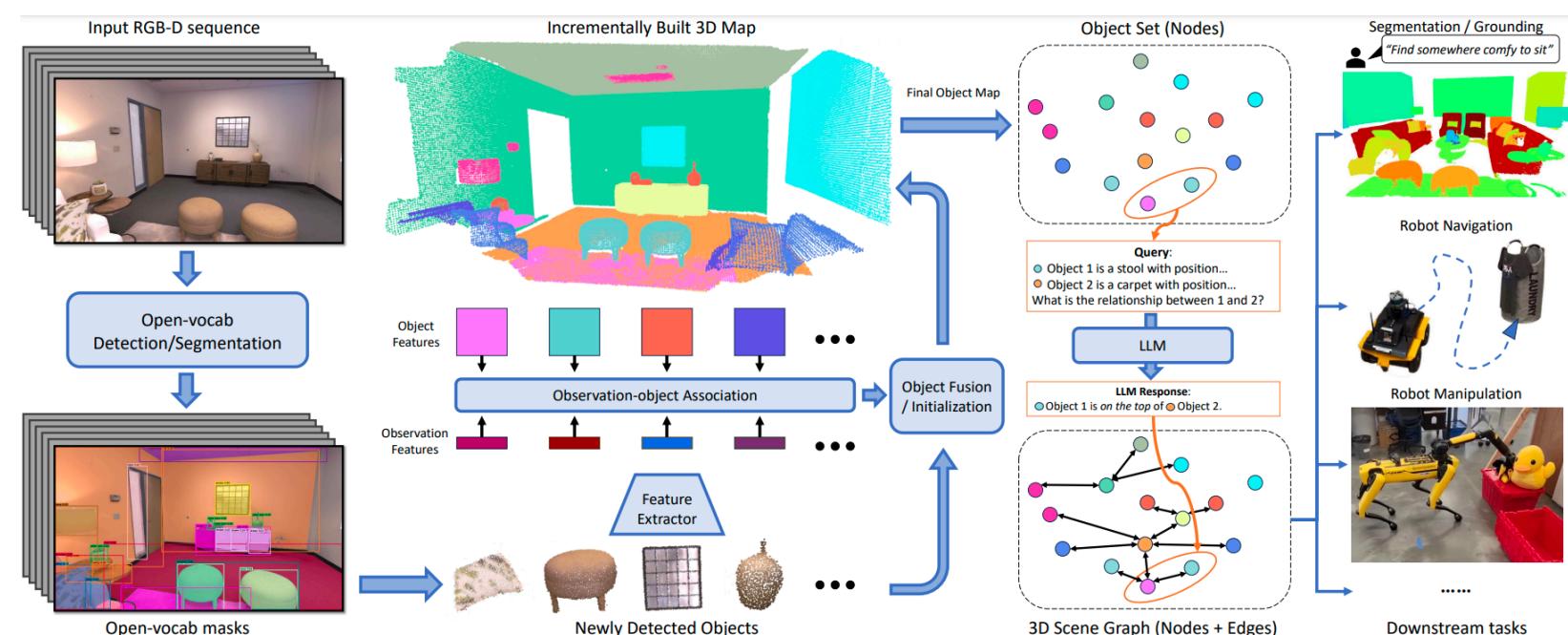
<https://concept-graphs.github.io>

Open-vocabulary 3D scene graphs from posed RGB-D images

Instance masks fused over frames using geometric + semantic similarity

Scene graphs easily parsed to text; interfaced with language models

Deployed on real-world navigation and mobile manipulation tasks



Code Release

