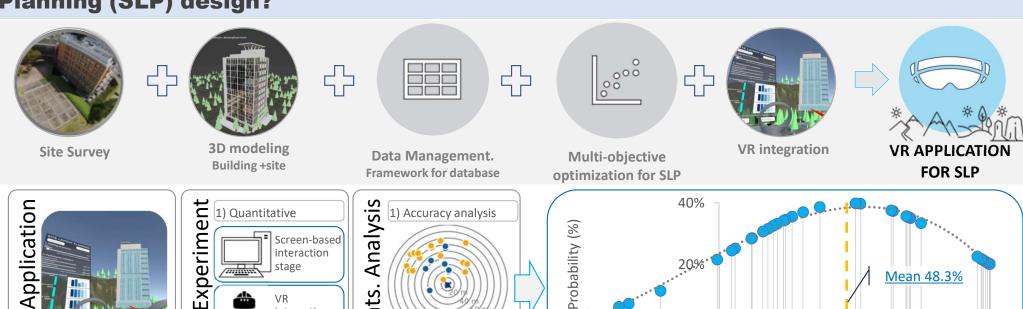
What is the potential of virtual reality (VR) simulations in improving the adoption of recommended data-driven performance-based design solutions in Site Layout Planning (SLP) design?

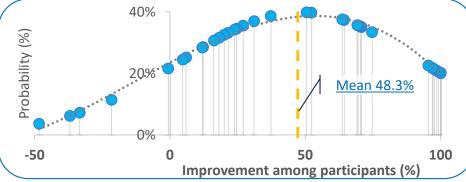




- Building Manipulation
- Data visualization interface
- Optimized recommendations

Experiment Stats. interaction stage Site 1 2) Qualitative Screen-based answers VR answers Post-X Top recommended location interaction Survey stage 2) Survey analysis Participant Background Conditions: Perception of influence 1 Building, 3 terrains Usability of VR 17 participants

Experiment Design



CONCLUSION:

There is an increase in the assimilation of data-driven solutions in SLP when transitioning from screen based to a VR simulation, as shown by an improvement of accuracy averaging 48.3%. Furthermore, participants highly valued the VR experience, as indicated by survey responses.