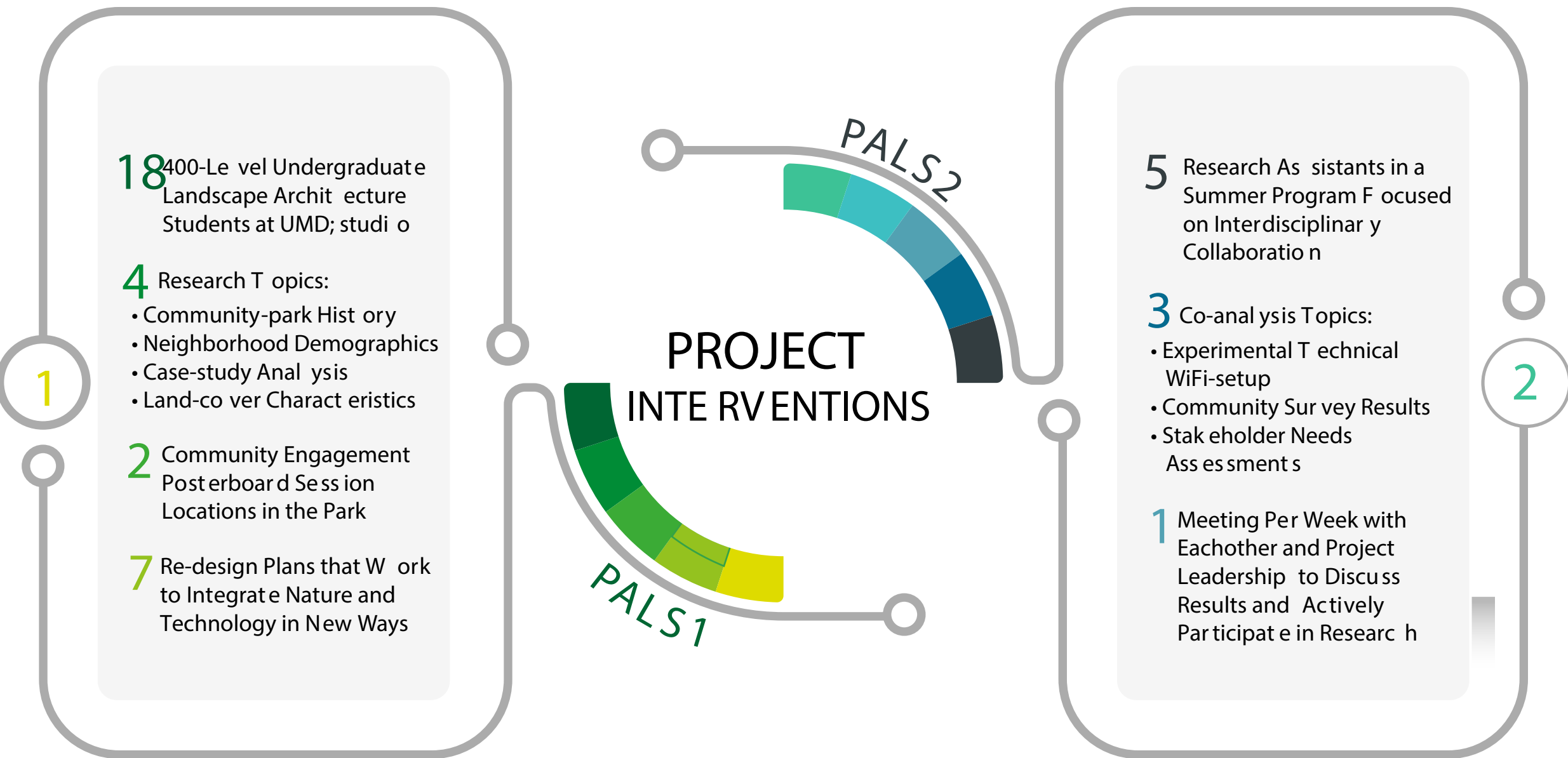


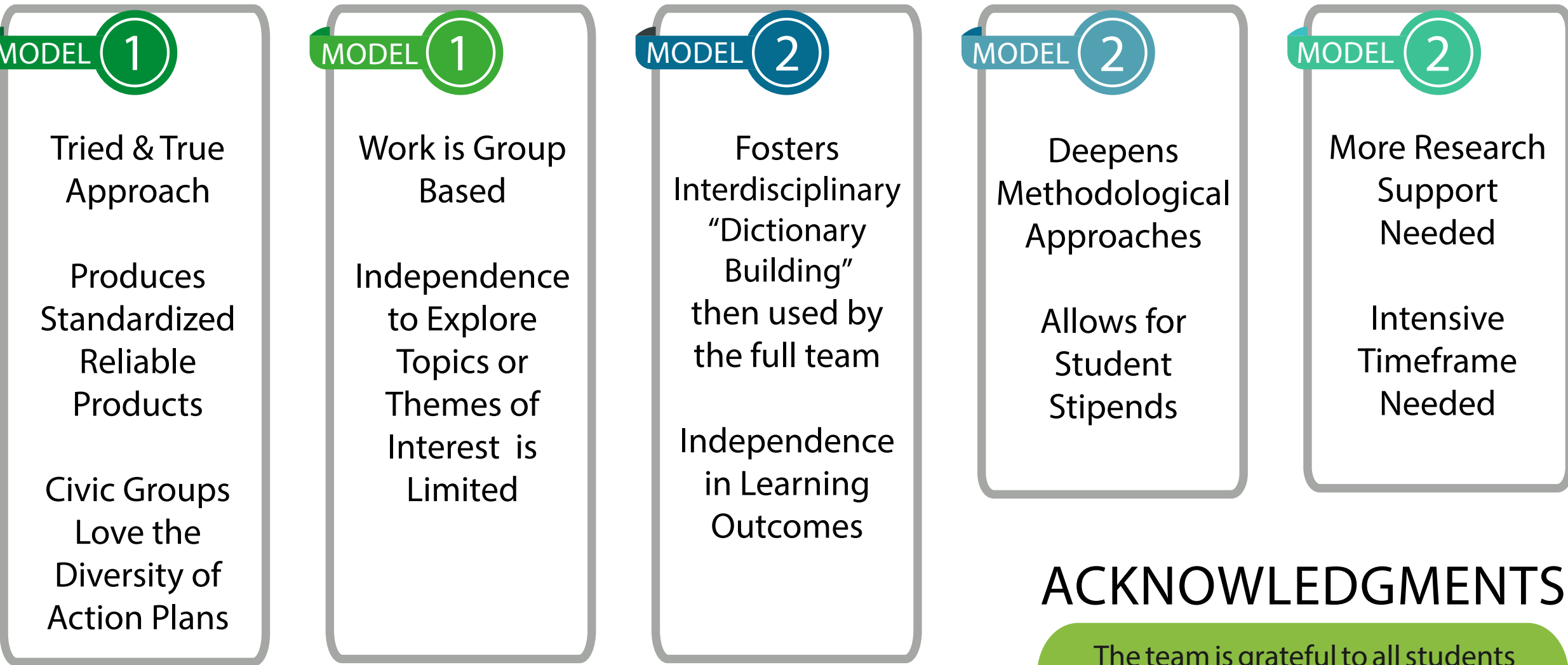
ABSTRACT

Broadband infrastructure in urban parks may serve crucial functions including an amenity to boost overall park use and a bridge to propagate WiFi access into contiguous neighborhoods. This project: SCC:PG Park WiFi as a BRIDGE to Community Resilience has developed a new model —Build Resilience through the Internet and Digital Greenspace Exposure, leveraging off-the-shelf WiFi technology, novel algorithms, community assets, and local partnerships to lower greenspace WiFi costs. This interdisciplinary work leverages: computer science, information studies, landscape architecture, and public health. Collaboration methodologies and relational definitions across disciplines are nascent —especially when paired with civic-engaged research.

Student researchers (UG/Grad) are excellent partners in bridging disciplinary barriers. Their capacity to assimilate multiple frameworks has produced refinements to the project's theoretical lenses and suggested novel socio-technical methodology improvements. Further, they are excellent ambassadors to community partners and stakeholders.



OVERALL CONTRASTING RESULTS



ACKNOWLEDGMENTS

The team is grateful to all students who participated in executing the model interventions. Students whose work is presented in Model 2 results include: Irtaza Shahid, Yang Bai, Boyoung Park, Nitzan Koren, Marci-Ann Smith and Micaela Ada



MODEL 1



Community Engagement Results



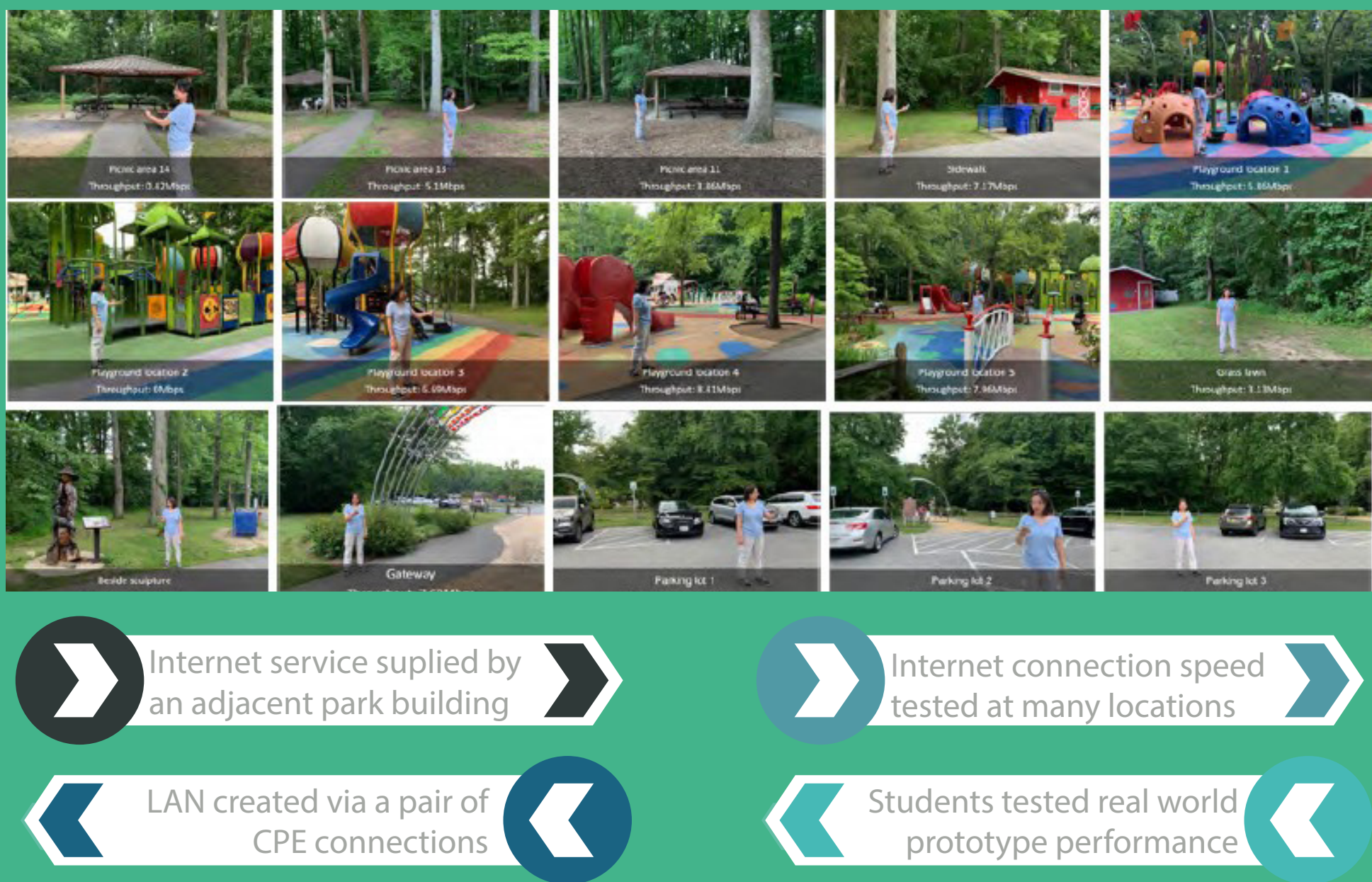
Design Solutions



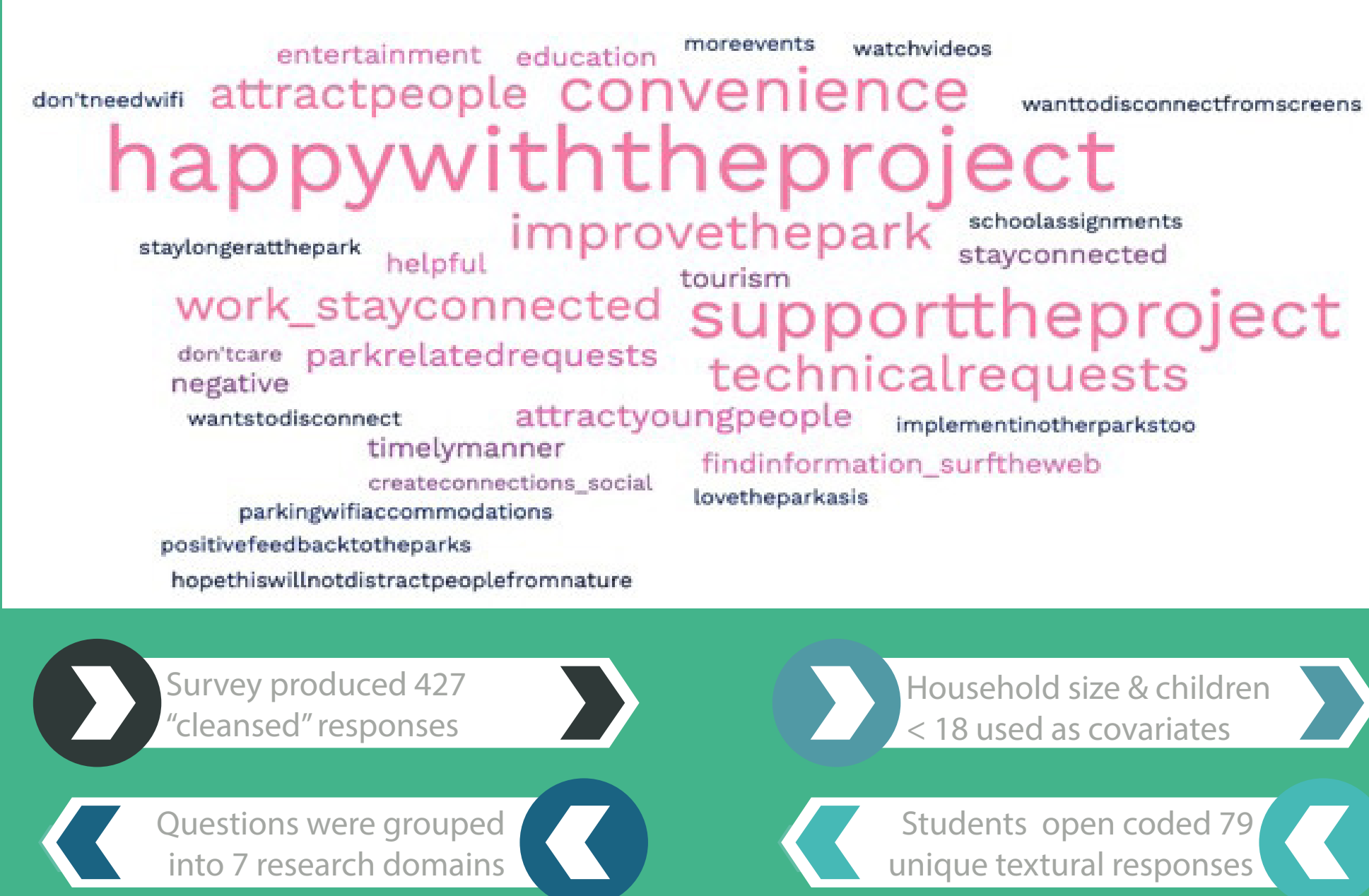
MODEL 2



WiFi Prototype and Testing



Community Survey Results



Frameworks for Student Research Engagement on Interdisciplinary Civic-Engaged Projects

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