

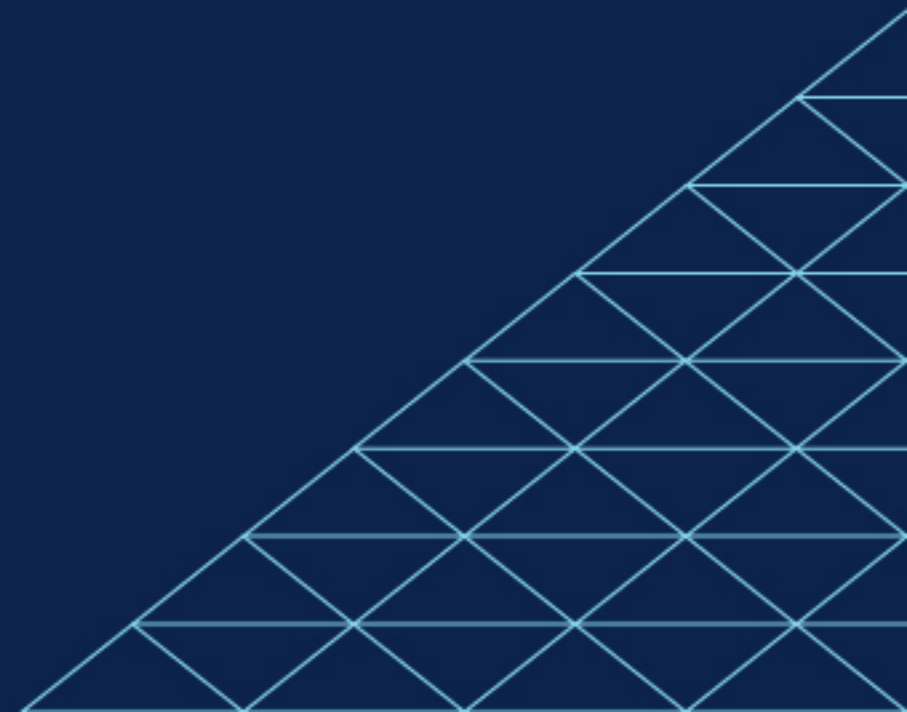
# **FOCUS GROUP SESSION**

## **RESEARCH**

UNIVERSITY OF ARIZONA – SIERRA VISTA

**COLLEGE OF APPLIED SCIENCE  
& TECHNOLOGY (CAST)**

AYERS SAINT GROSS INTRODUCTION / MAY 6, 2022



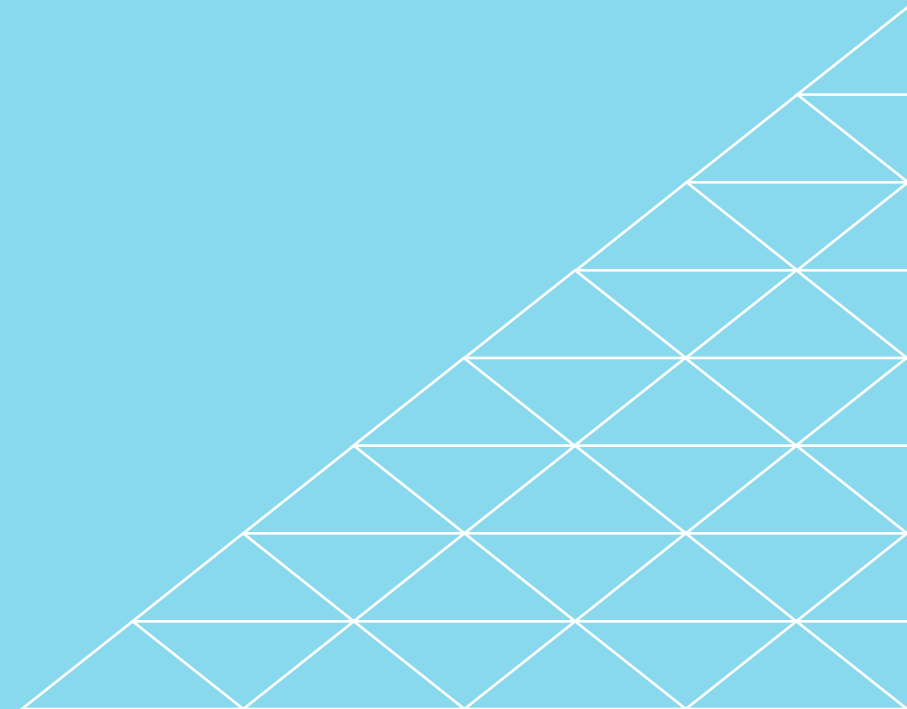
# Agenda

- Process
- Strategic Plan & Research Programs
- Research Space Types Workshop Review
- Big Questions
- Next Steps

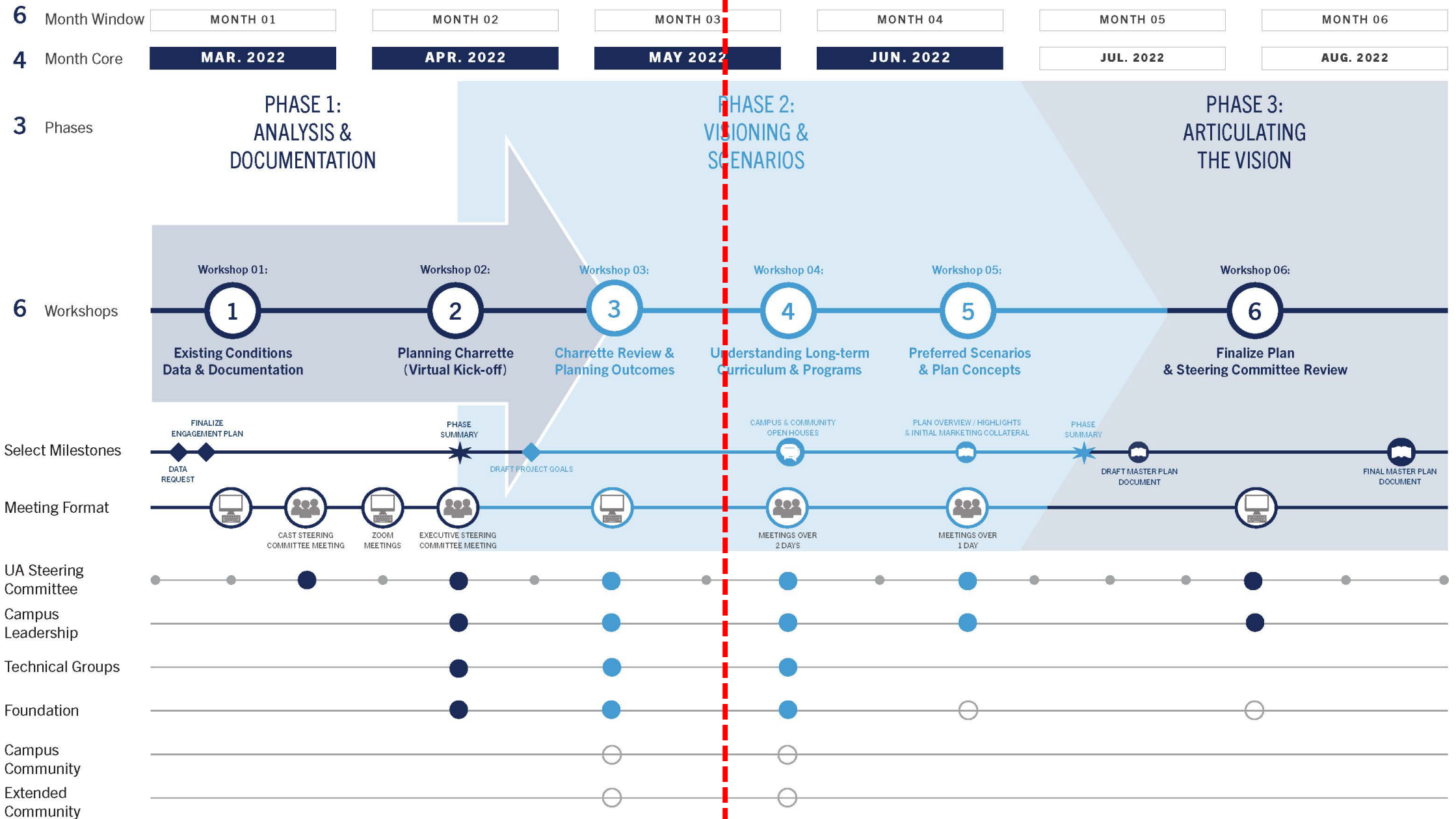
# Research Focus Group Objectives

- Develop primary project parameters including research programs and support profiles
- Provide an overview on current research initiatives
- Advance signature programs and special resources
- Identify and discuss scaling of research facilities
- Identify unique infrastructure needs
- Assess current facilities and functional adequacy
- Assess on-site research opportunities and constraints
- Discuss community needs and responses to research partners
- Track and develop long-term protocol and policy needs
- Discuss online vs. on-campus resources and needs
- Provide student support and research partner success resources
- Discuss emerging issues

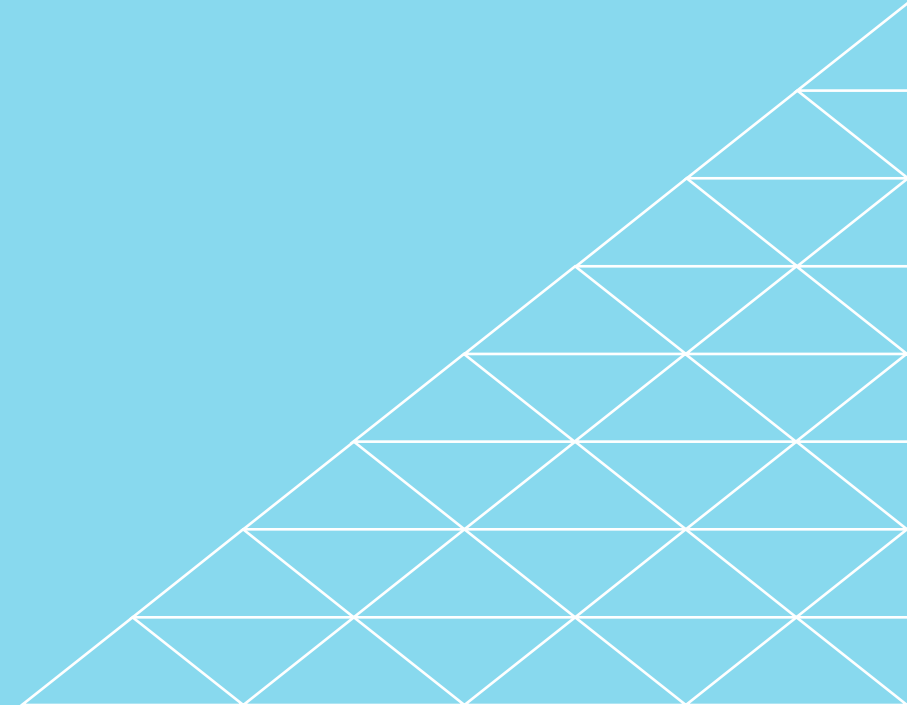
# PROCESS



# Process Schedule



# **STRATEGIC PLAN & RESEARCH PROGRAMS**



# Achieving the Objectives in the Strategic Plan

## RECRUIT AND HIRE DIVERSE FACULTY AND STAFF WHO ARE PASSIONATE ABOUT OUR VALUES

- **Hire Faculty and Staff to keep up with growth and diversify**
- Increase full time faculty by 50% over first two years, then grow at the pace of student growth in years 3 -5
- **Hire staff & administrators to keep up with growth**
- Increase Tenure Track Faculty to 25% - 30% of permanent faculty lines
- Publish College Promotion, Evaluation, Mentoring, & Onboarding Policy
- Publish College hiring policy and fund hiring outreach to increase diversity and qualifications of applicants in hiring pools
- Complete a position review to ensure equity and alignment to mission
- Pursue at least two Strategic Priorities Faculty Initiative (SPFI) hires

## BUILD WORLD CLASS INFRASTRUCTURE AND EFFECTIVE ORGANIZATIONAL STRUCTURE

- Coordinate with the University CFO to establish a distinct accounting line to track legislative allocation to support activity at the Sierra Vista Branch Campus
- **Publish Campus Master Plan in coordination with main campus, University South Foundation, Cochise CC, & the City of Sierra Vista**
- Review and initiate College org structure for the future
- **Move facilities management back to the SV Campus**
- **Renovate Groth Hall by summer of 2023 to align with 30th Anniversary**
- **Complete construction of new applied research building**
- **Renovate Arizona Folklore Preserve to include Digital Humanities**
- **Refresh technology infrastructure to keep pace with CAST's innovative online teaching and Virtual Learning Environment**
- **Reinvigorate community and regional partnerships**

## MENTOR, RETAIN AND MOTIVATE FACULTY WHO DELIVER WORLD CLASS, 4<sup>TH</sup> IR EDUCATION AND UNDERGRAD RESEARCH

- Elevate the work of the DEI Committee to continuously improve our inclusive culture benefiting a diverse faculty and student population
- Complete and implement college mentoring program
- Prepare college on-boarding program for upcoming hiring surge
- Update and fund faculty awards process
- Pursue Endowment for CAST's first named professor
- **Hire Associate Dean for Applied Research & Development**

## RECRUIT, ADVISE AND INSPIRE DIVERSE, POST-TRADITIONAL TRANSFER STUDENTS TO IMPACT OUR REGION AND THE WORLD

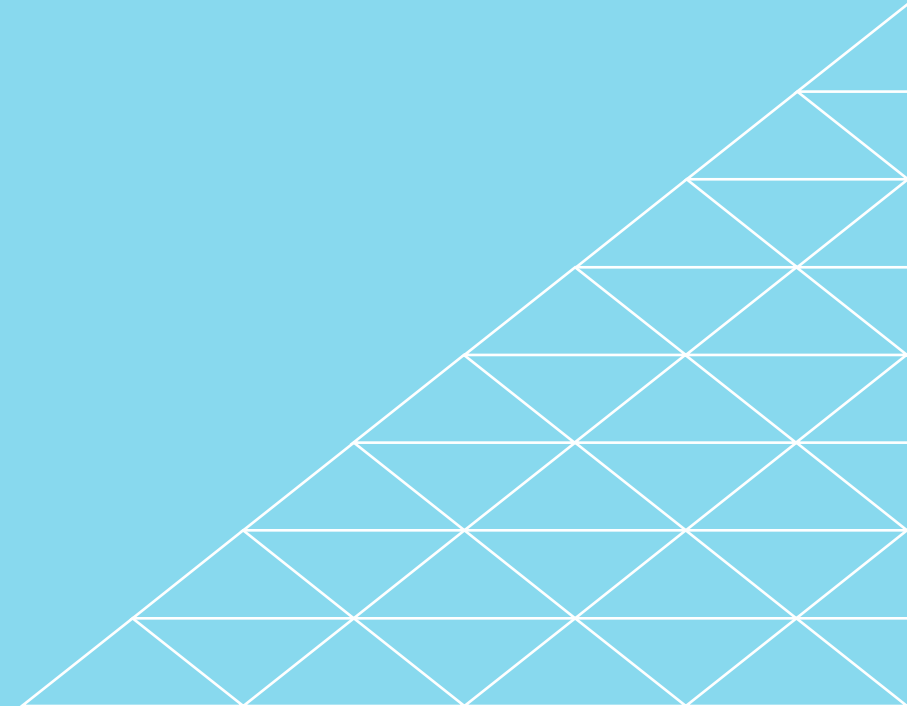
- Complete MOA with Vice Provost for ODCE
- Reach 5,000 students (certificates, minors, BAS, PSM) by the end of the five-year plan
- In-person advisor/recruitment specialist in Sierra Vista, Pima East, Chandler, and Yuma
- **Building on the success of the Basha High School/Chandler-Gilbert CC/CAST pipeline in Cyber Ops, pursue similar partnerships in Cyber and other programs throughout AZ**
- **Further our partnerships with DoD Community Colleges and Education**
- **Grow partnerships with Federal & regional LE agencies**
- Expand student awards and scholarships to increase accessibility
- Grow partnership with Global Direct & pursue educational partnerships with Mexico

## DEVELOP & DELIVER RIGOROUS AND RELEVANT EDUCATION AND RESEARCH THEN ASSESS OUR PROGRESS THROUGH REGULAR PROGRAM REVIEW

- **Launch 6 –9 Professional Science Masters Degrees over 5 years**
- Start with an educational technology focused degree in Fall of 2022
- Built with stackable Masters Certificates
- **Establish innovation guidelines and encourage sustainable creativity**
- **Establish & fund College professional development process**
- **Develop a student-centric (undergrad & grad) applied research portfolio designed to support best practices in education while impacting a 21<sup>st</sup> century world**
- **Solidify our national reputation as a leader in rigorous online & hybrid transfer education for the 21<sup>st</sup> century workforce**

# **RESEARCH SPACE TYPES**

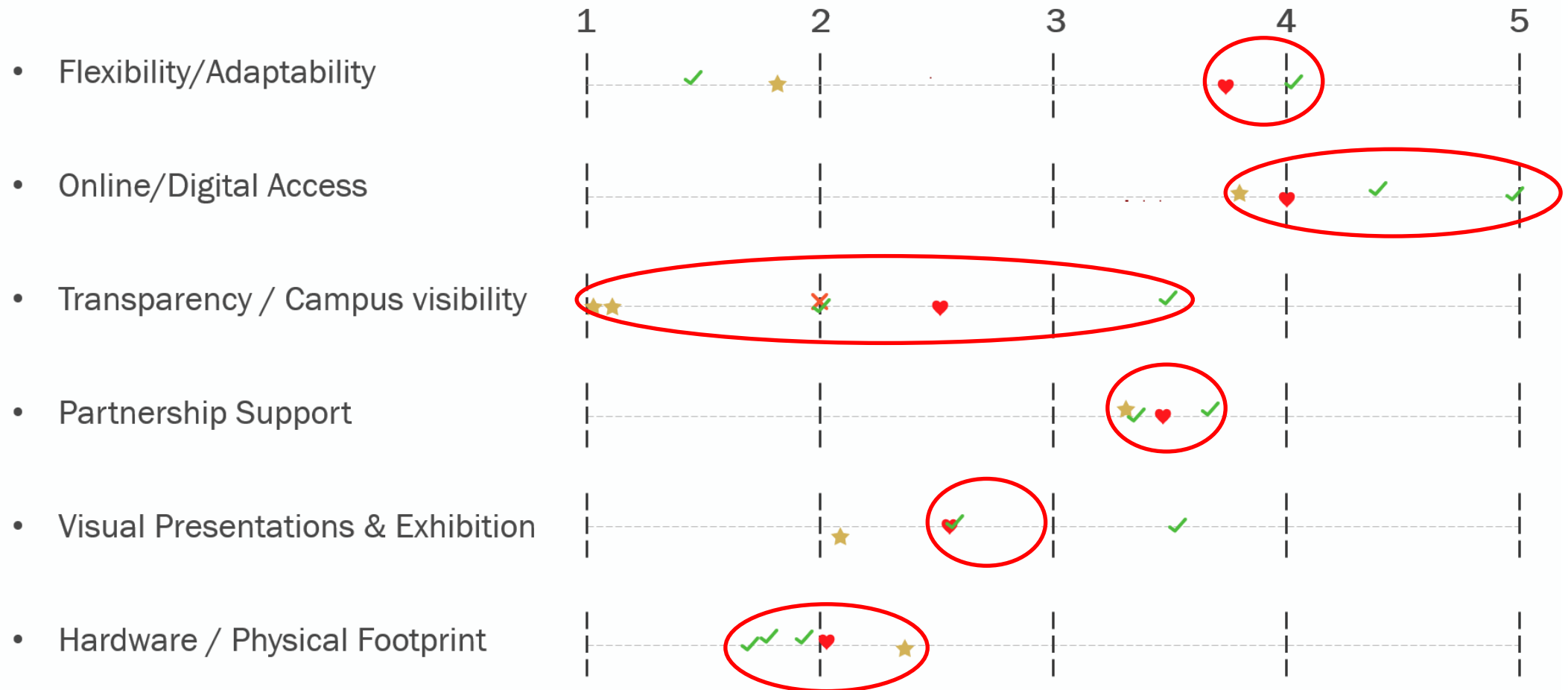
## **WORKSHOP REVIEW**



# Attributes

## Which of the following categories would help advance the research needs?

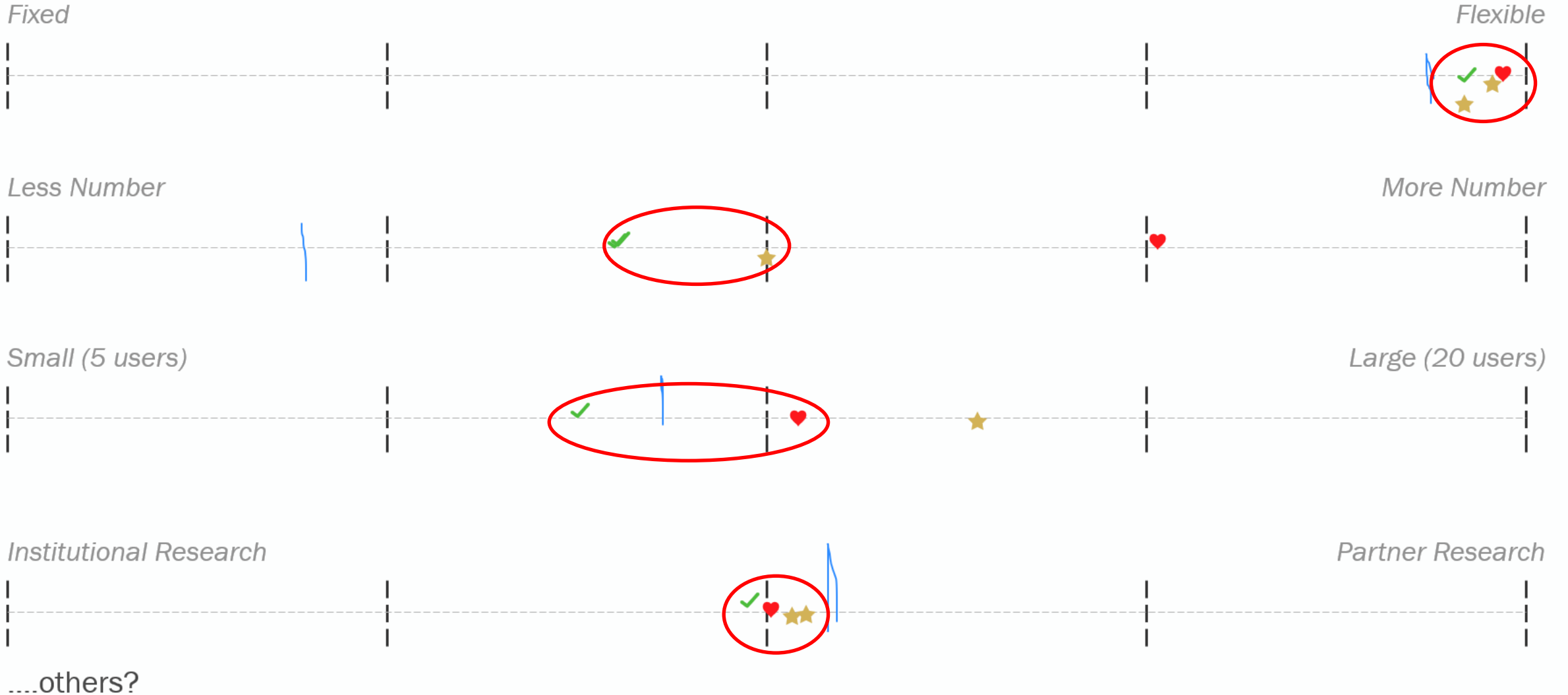
Please use the stamp tool on a scale of 1 to 5 to indicate how well the campus spaces serve the following categories





# Precedents

## Makerspace - Attributes

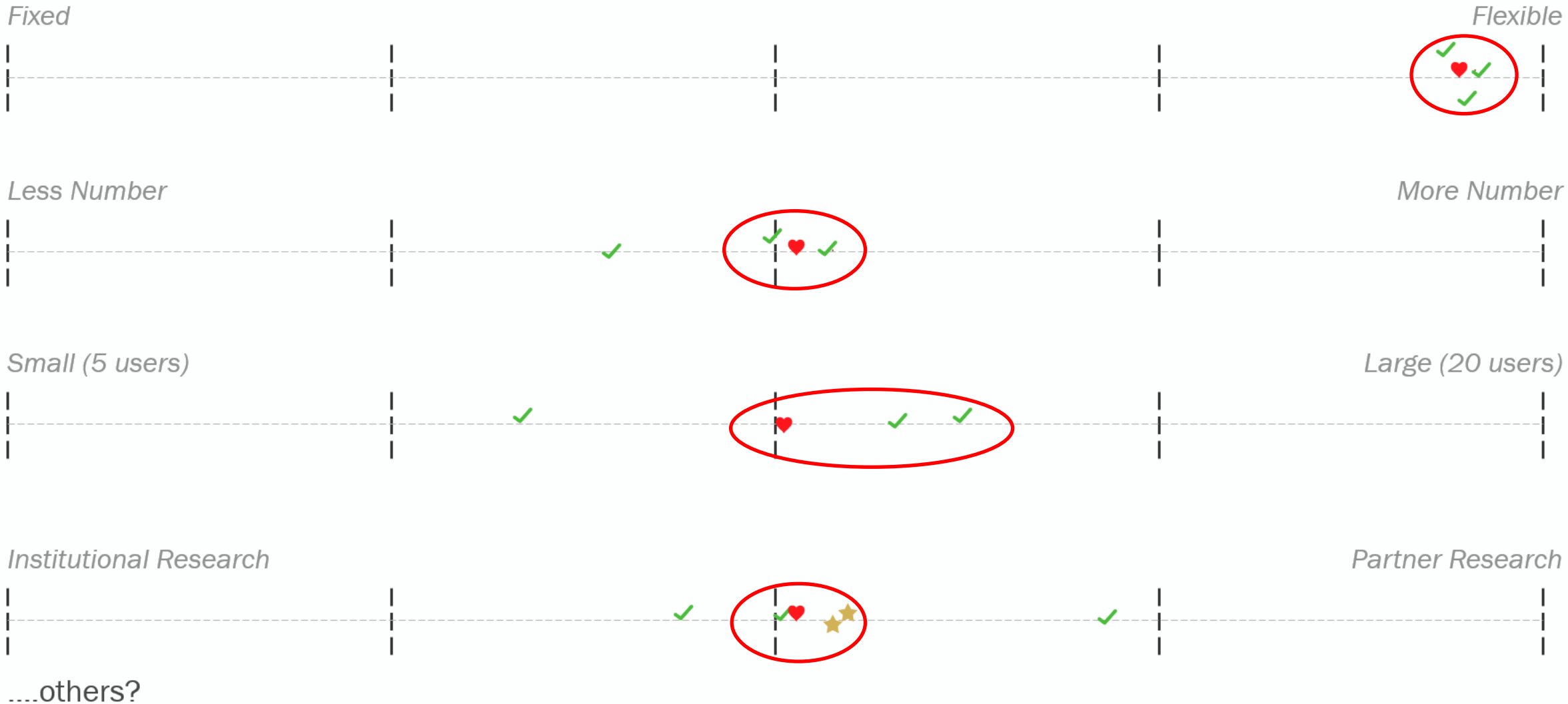


# Maker Space – Preferred Precedent



# Precedents

Visualization Spaces - Attributes

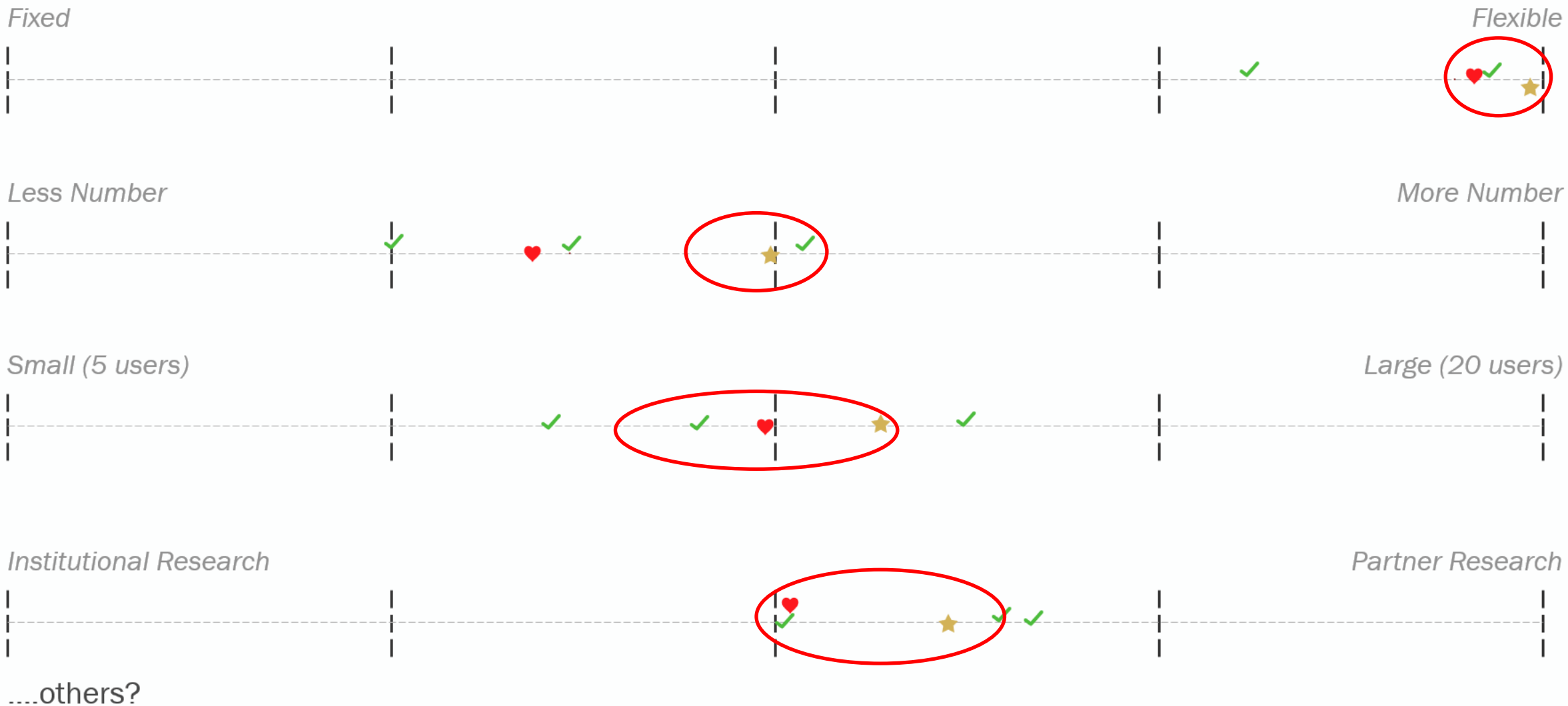


# Visualization Space – Preferred Precedent



# Precedents

## Computing Spaces - Attributes

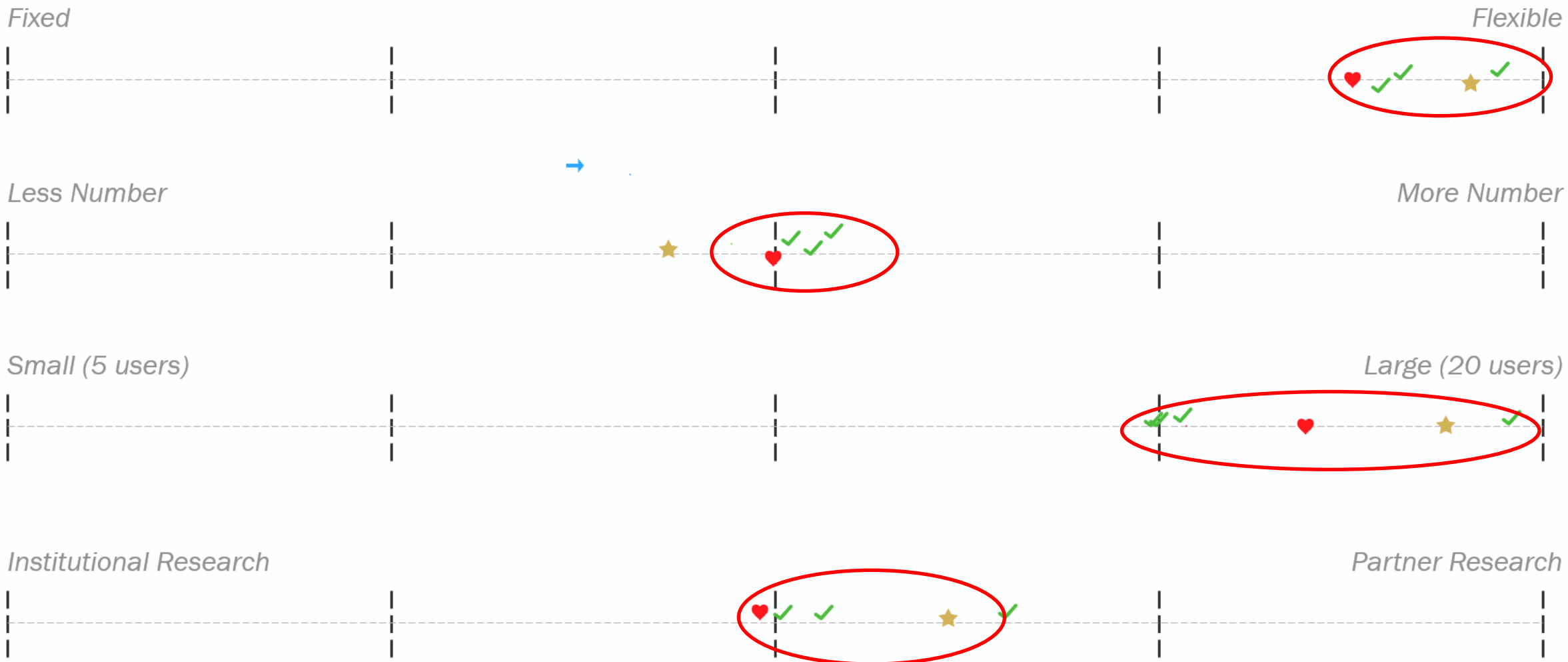


# Computing Space – Preferred Precedent



# Precedents

## Flexible Spaces - Attributes



♥...others?

# Flexible Space – Preferred Precedent





# Precedents

Innovation Spaces - Attributes

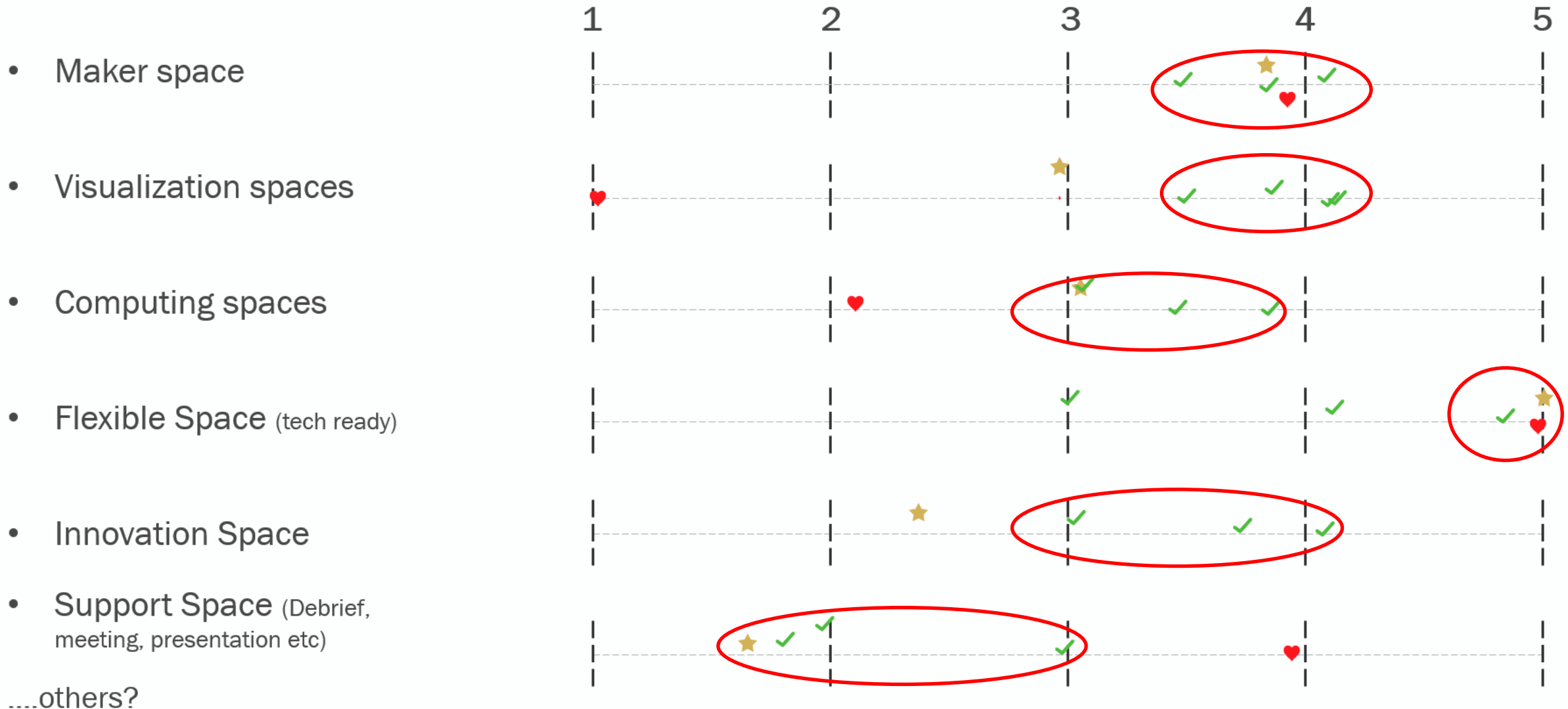


# Innovation Space – Preferred Precedent

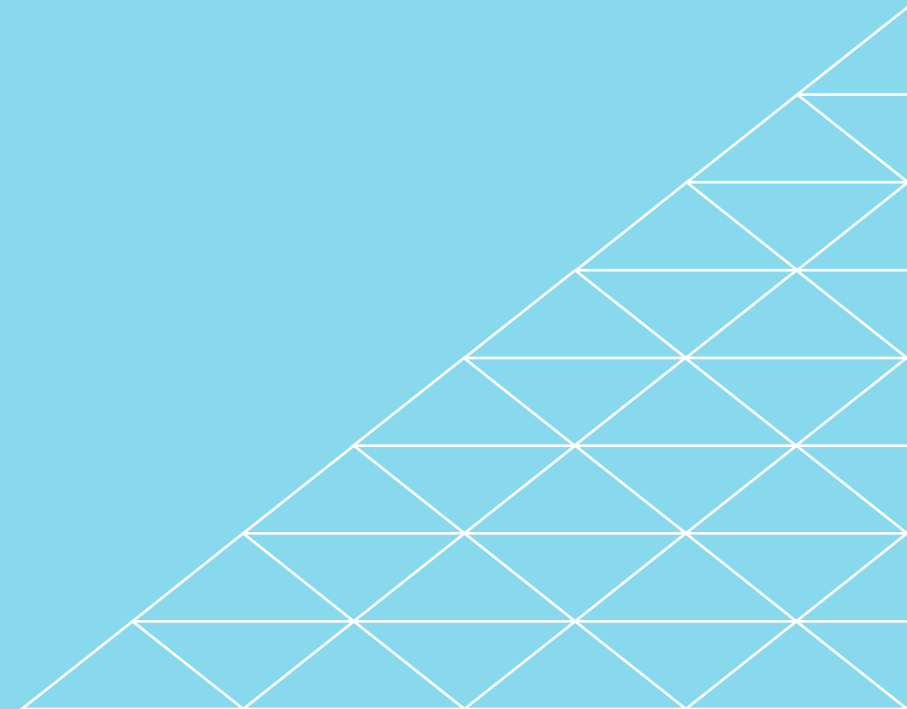


# Space Type - Priorities

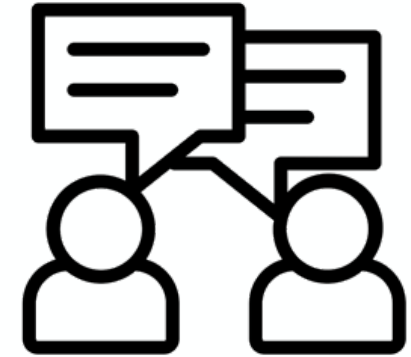
Please use the stamp tool on a scale of 1 to 5 to indicate which space types would best serve the research functions in the future



# BIG QUESTIONS

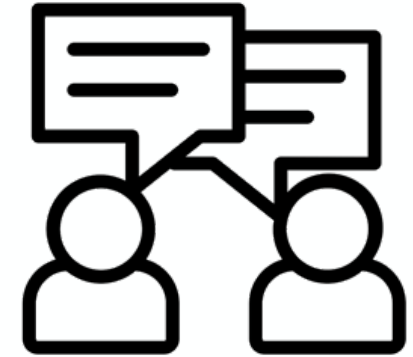


- **How will research be conducted in the CAST campus of the future?**
  - Who will use the campus and for which purposes?
  - How do we balance online strategies with on campus experiences and activities?



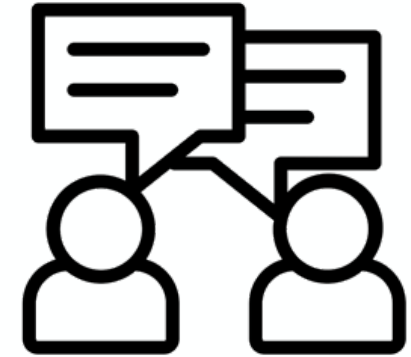
**Discussion  
Point**

- How can new campus spaces or buildings improve the functionality and experience on campus?



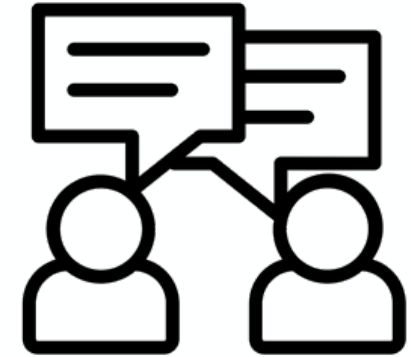
**Discussion  
Point**

- **How much physical space is needed?  
How is it distributed in typology? Is our  
current space obsolete?**
- *Instructional*
- *Research*
- *Community & Industry Partners*



**Discussion  
Point**

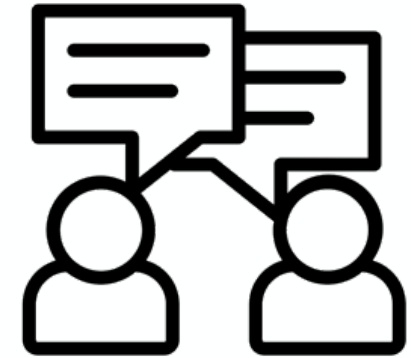
- How do we ensure “physical access” to campus?
- Is a physical pedestrian connection to Cochise campus useful?



**Discussion  
Point**

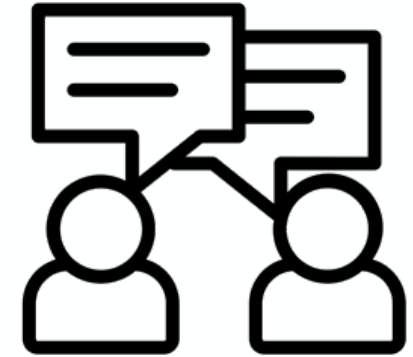


- How do we improve the branding and identity of campus as well as amplify the community interaction?



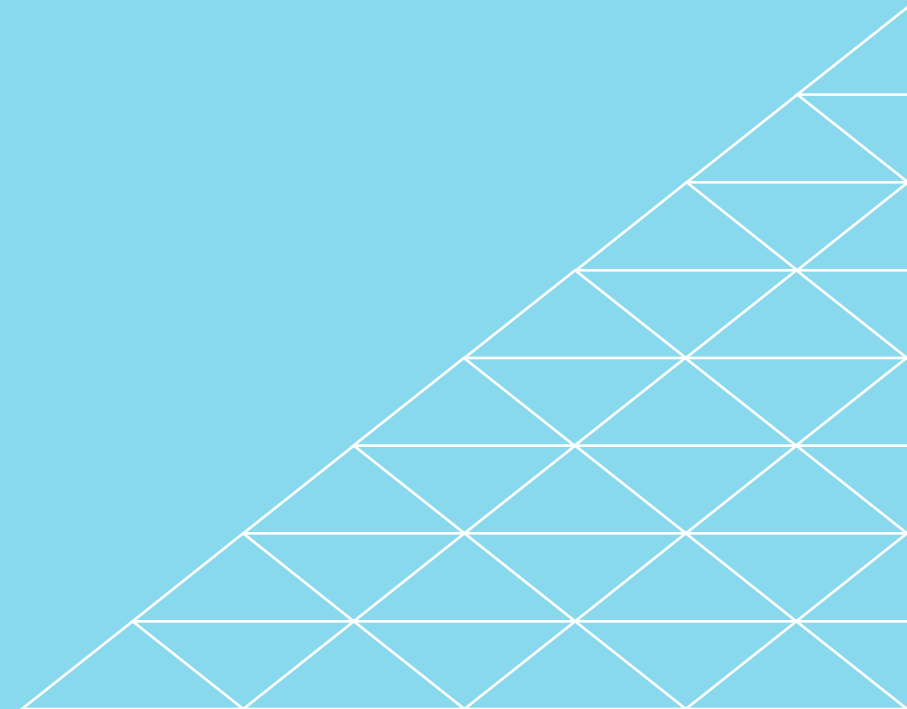
**Discussion  
Point**

- How can the CAST Campus support University of Arizona's broad research, outreach and extension goals?



**Discussion  
Point**

# NEXT STEPS



# Research Group Primary Topics

University of Arizona College of Applied Science & Technology

- Advance the technical content around the research programs
- Includes space needs and characteristics
- Community access to research programs and spaces
- Appropriate visibility of research programs on campus
- Is there any guess on quantities of each space type?