

2022 CAMPUS MASTER PLAN RESTART (2020 CAMPUS MASTER PLAN)

RESEARCH AND INNOVATION
ASSOCIATE DEANS FOR RESEARCH MEETING



AYERS SAINT GROSS
AUGUST 16, 2022

Agenda

An aerial photograph of a university campus at dusk. The scene is dominated by a large, tall palm tree in the foreground on the left. In the background, several modern university buildings are visible, with some windows illuminated. The sky is a deep blue with some light clouds, and the overall atmosphere is serene and academic.

- Introductions
- Overview of 2020 Master Plan
- Existing Research Assets
- 2020 Master Plan Research Study and Recommendations
- Future of Research Discussion
- Next Steps

An aerial photograph of a university campus, likely the University of Arizona, showing numerous red-brick buildings, green spaces, and palm trees. In the background, a range of mountains is visible under a clear sky. The entire image is overlaid with a semi-transparent dark blue filter.

Introductions

Who is in the Room?

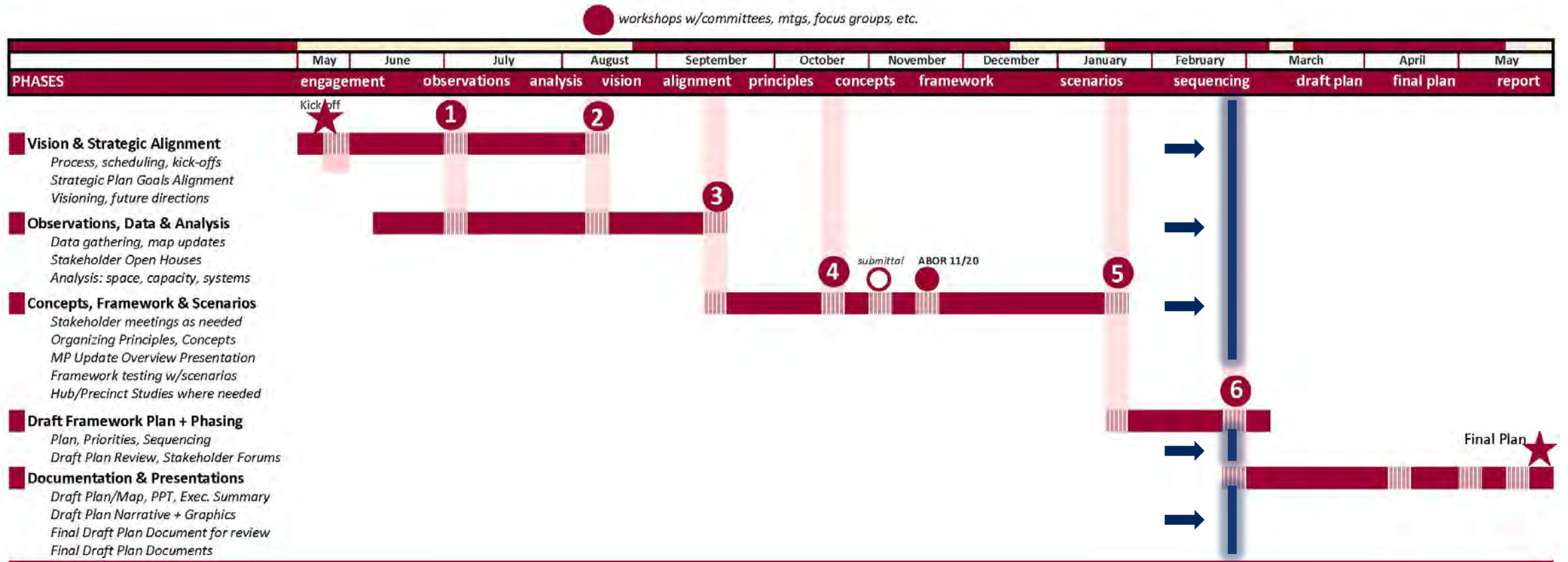




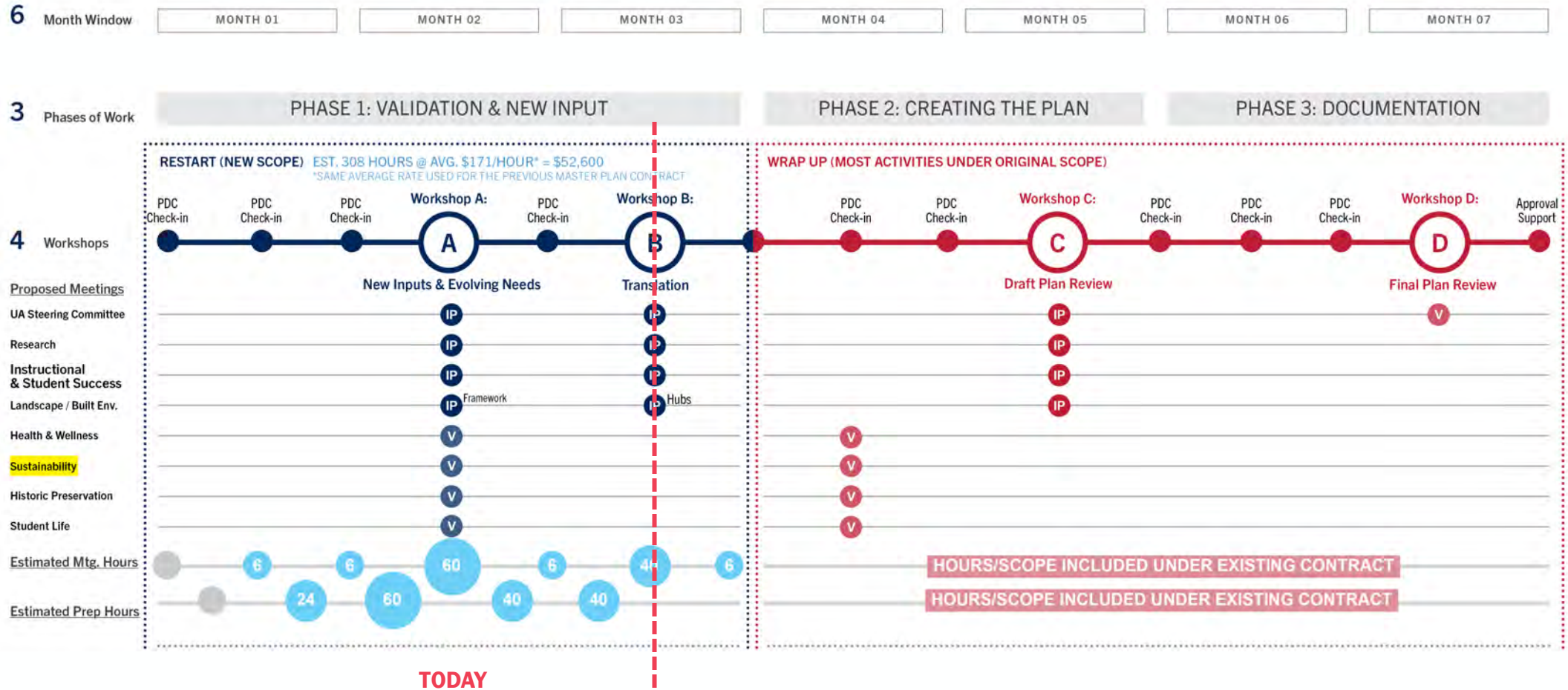
Overview of 2020 Campus Master Plan

(previous) 2020 Campus Master Plan Schedule

WHERE WE LEFT OFF...



(proposed) Restart Schedule



Executive Summary Draft



Campus Community Relationship Committee (CCRC) engagement for input and feedback on future plans and around the existing community.

ENGAGEMENT AND PARTICIPATION

Carefully orchestrated, consistent engagement and interaction with diverse stakeholders is an essential activity throughout the planning process. This effort addressed both the dynamics of the campus and broader community needs for connections to create moments of dialogue (engaging, meet, advice, and exchange). In turn, engagement provided the planning team with opportunities for valuable and plentiful input of the substantial student and employee workforce.

STUDENT SUCCESS

FOCUS GROUP DISCUSSION NOTES

1. The group of students and faculty members who participated in the discussion of student success and campus community relationship committee for the past 24 months in the context of the current campus plan. The notes are available in the Student Success Committee Report (https://www.arizona.edu/office-of-the-president/2020/02/24/2020-student-success-committee-report/).
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STRATEGIC PLAN EXTRACTS

1. New programs for the law, business, medicine, and behavioral science.
2. New programs for the arts, science, and engineering.
3. New programs for the humanities, social and behavioral sciences.
4. New programs for the health, life, and physical sciences.
5. New programs for the creative disciplines and education.
6. New programs for the liberal arts and social sciences.

POTENTIAL RECOMMENDATIONS

1. Develop strategies to attract diverse student bodies, including international students and students from rural and underserved communities.
2. Develop strategic programs and initiatives for students and collaborative spaces and centers to support the development of research and innovation.
3. Develop strategies to attract diverse student bodies and technology solutions to attract the student and faculty workforce.
4. Consider the creation of "student success" learning spaces near the center of campus.
5. Consider the creation of "student success" learning spaces near the center of campus.
6. Consider the creation of "student success" learning spaces near the center of campus.

WHO DID WE ENGAGE?

LEADERSHIP GROUPS	PHYSICAL IMPACT FOCUS GROUPS	POLICY IMPACT FOCUS GROUPS
<ul style="list-style-type: none"> 1. Leadership Council 2. Board of Regents 3. Board of Trustees 	<ul style="list-style-type: none"> 1. Business & Economics 2. Creative Disciplines 3. Education 4. Health, Life, and Physical Sciences 5. Humanities, Social, and Behavioral Sciences 6. Law 7. Medicine 8. Science, Technology, and Innovation 9. Social and Behavioral Sciences 10. Student Success 11. Arts, Science, and Engineering 12. Liberal Arts and Social Sciences 13. Law 14. Medicine 15. Business & Economics 16. Creative Disciplines 17. Education 18. Health, Life, and Physical Sciences 19. Humanities, Social, and Behavioral Sciences 20. Law 21. Medicine 22. Science, Technology, and Innovation 23. Social and Behavioral Sciences 24. Student Success 25. Arts, Science, and Engineering 26. Liberal Arts and Social Sciences 	<ul style="list-style-type: none"> 1. Board of Regents 2. Board of Trustees 3. Leadership Council 4. Business & Economics 5. Creative Disciplines 6. Education 7. Health, Life, and Physical Sciences 8. Humanities, Social, and Behavioral Sciences 9. Law 10. Medicine 11. Science, Technology, and Innovation 12. Social and Behavioral Sciences 13. Student Success 14. Arts, Science, and Engineering 15. Liberal Arts and Social Sciences

HOW DID WE ENGAGE?

35 Engagement Meetings	1 Virtual and In-Person Open House	3 Neighborhood Meetings (Open House & Report Back)
31 Open House	4,000+ Views	450+ Views
18 Open House	210 Comments	30 Engagement Initiatives
1 Meeting	400 Comments	40+ Initiatives
1 Meeting	100+ Views	

1,308 Total Participants

KEY TAKEAWAYS

CAMPUS WIDE ENGAGEMENT

- 1. Focus on the campus wide engagement efforts and the impact of the planning process on the campus community.
- 2. Focus on the campus wide engagement efforts and the impact of the planning process on the campus community.
- 3. Focus on the campus wide engagement efforts and the impact of the planning process on the campus community.

COMMUNITY ENGAGEMENT

- 1. Develop engagement strategies for the campus community.
- 2. Develop engagement strategies for the campus community.
- 3. Develop engagement strategies for the campus community.

LEADERSHIP ENGAGEMENT

- 1. Develop engagement strategies for the campus community.
- 2. Develop engagement strategies for the campus community.
- 3. Develop engagement strategies for the campus community.

BRANDING & IDENTITY

BRANDING & IDENTITY

As a part of the planning effort, to inform the physical branding and identity of the campus, branding and identity initiatives were developed in partnership with the campus community. These initiatives include the development of a branding and identity strategy, the development of a branding and identity strategy, and the development of a branding and identity strategy.

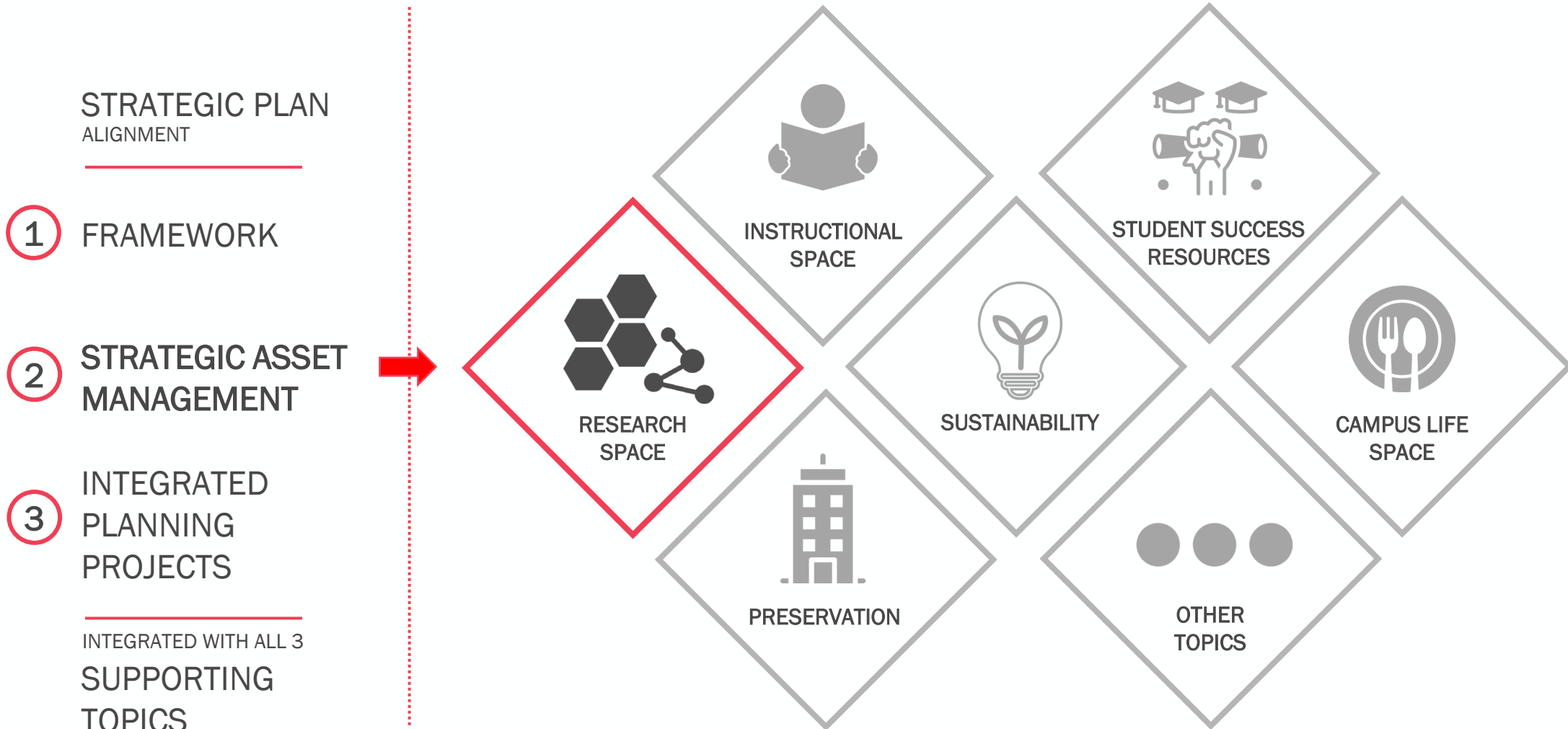
- 1. Develop branding and identity initiatives for the campus community.
- 2. Develop branding and identity initiatives for the campus community.
- 3. Develop branding and identity initiatives for the campus community.



UArizona Existing Research Assets

Master Plan Structure: Strategic Assets

MASTER PLAN ORGANIZATION



Current Research Profile

\$761 million

Fiscal Yr 2020 Research Expenditures

#1 Arizona Public Institution

#20 All US Public Institutions

#35 Overall in US

Future Research Profile

\$1 Billion

Goal by 2028*

**Arizona Alumni Magazine*

Current Research Profile

Research with a bold, distinctive and differentiated vision

The Office for Research, Innovation and Impact supports the world-class research enterprise at the University of Arizona, which has more than \$761 million in research activity. Our researchers continue to forge innovative pathways, form powerful collaborations and make remarkable discoveries.

418

total U.S. patents issued

#1

in astronomy and astrophysics

Top 4%

of all U.S. universities in
research and development

3rd

among top producers of
Fulbright U.S. Scholars

1,878

invention disclosures

109

109 total startups

UArizona reports record number of inventions

For the first time, University of Arizona innovators have reported more than 300 world-improving inventions in a single year.

By Paul Tumarkin, Tech Launch Arizona

Aug. 2, 2022

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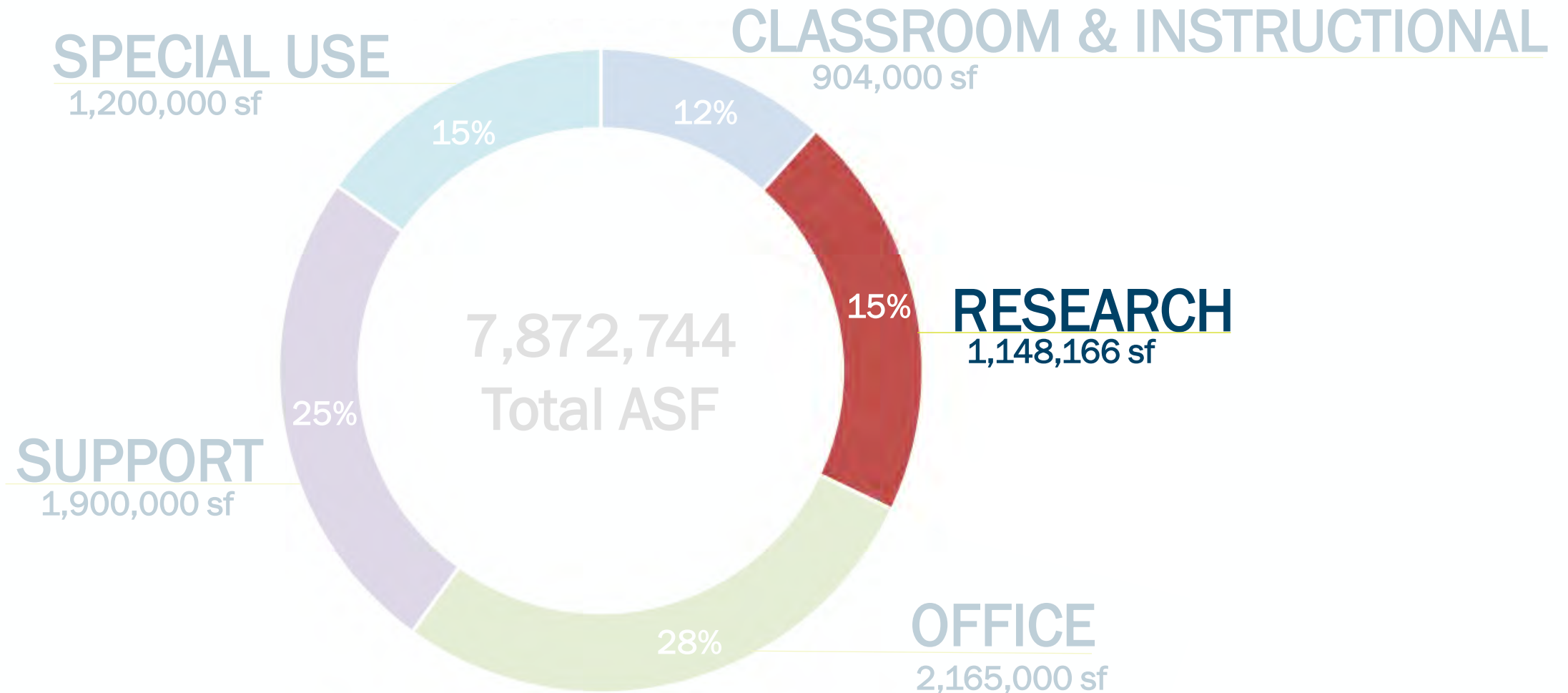
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Chris Richards/University of Arizona

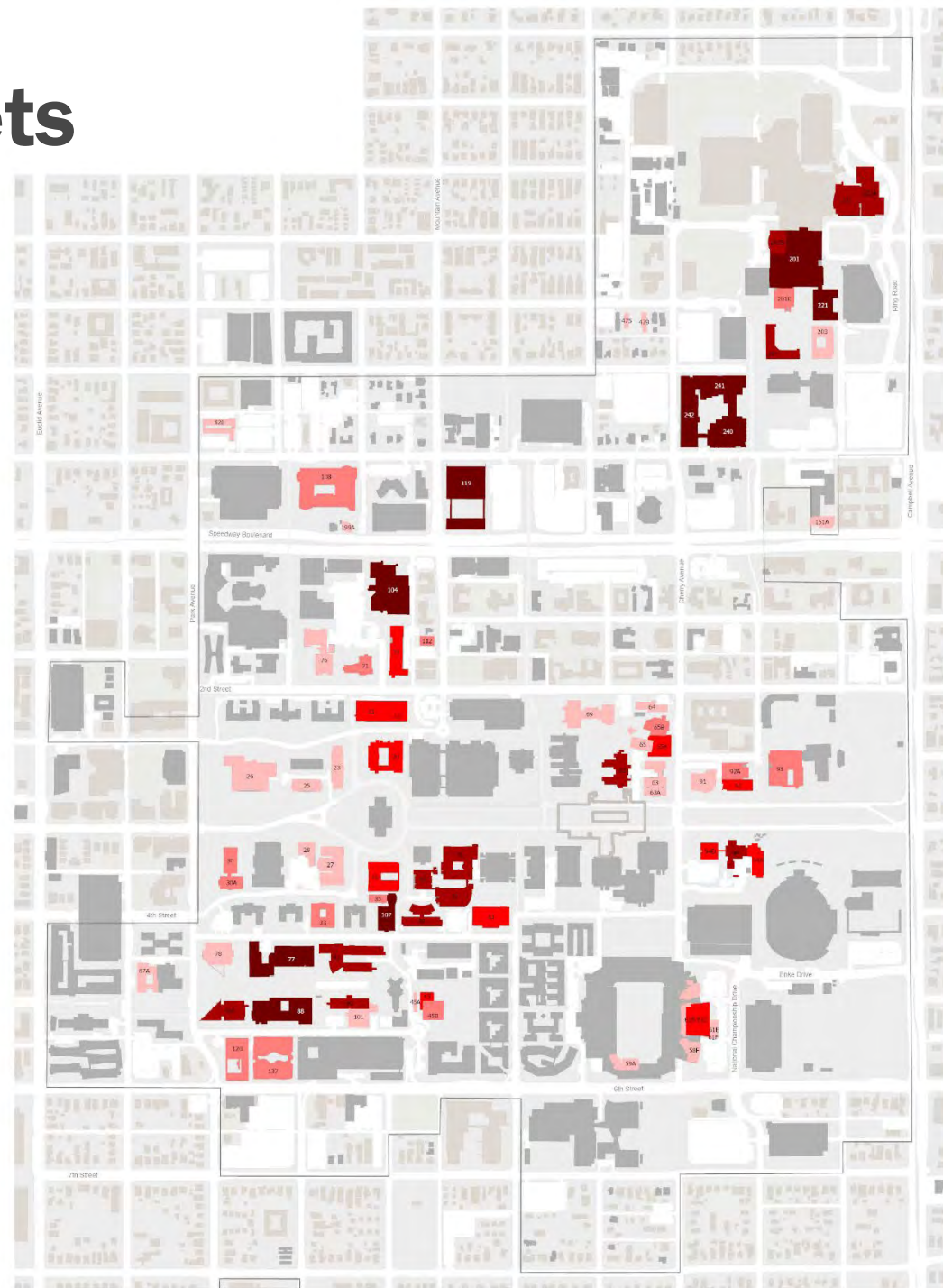
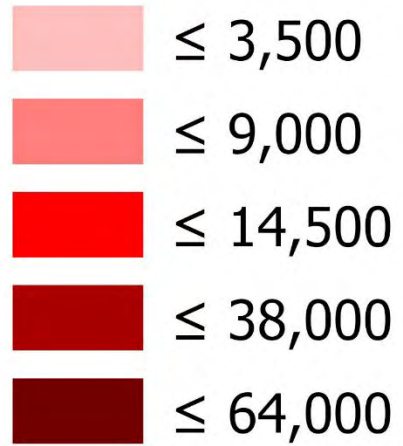
Campus-wide Space (SF) Assessment (Oct 2019)



**Needs to be updated through 2022 to include any proposed planning projects*

Research Assets

Total Research Space Area (ft²)

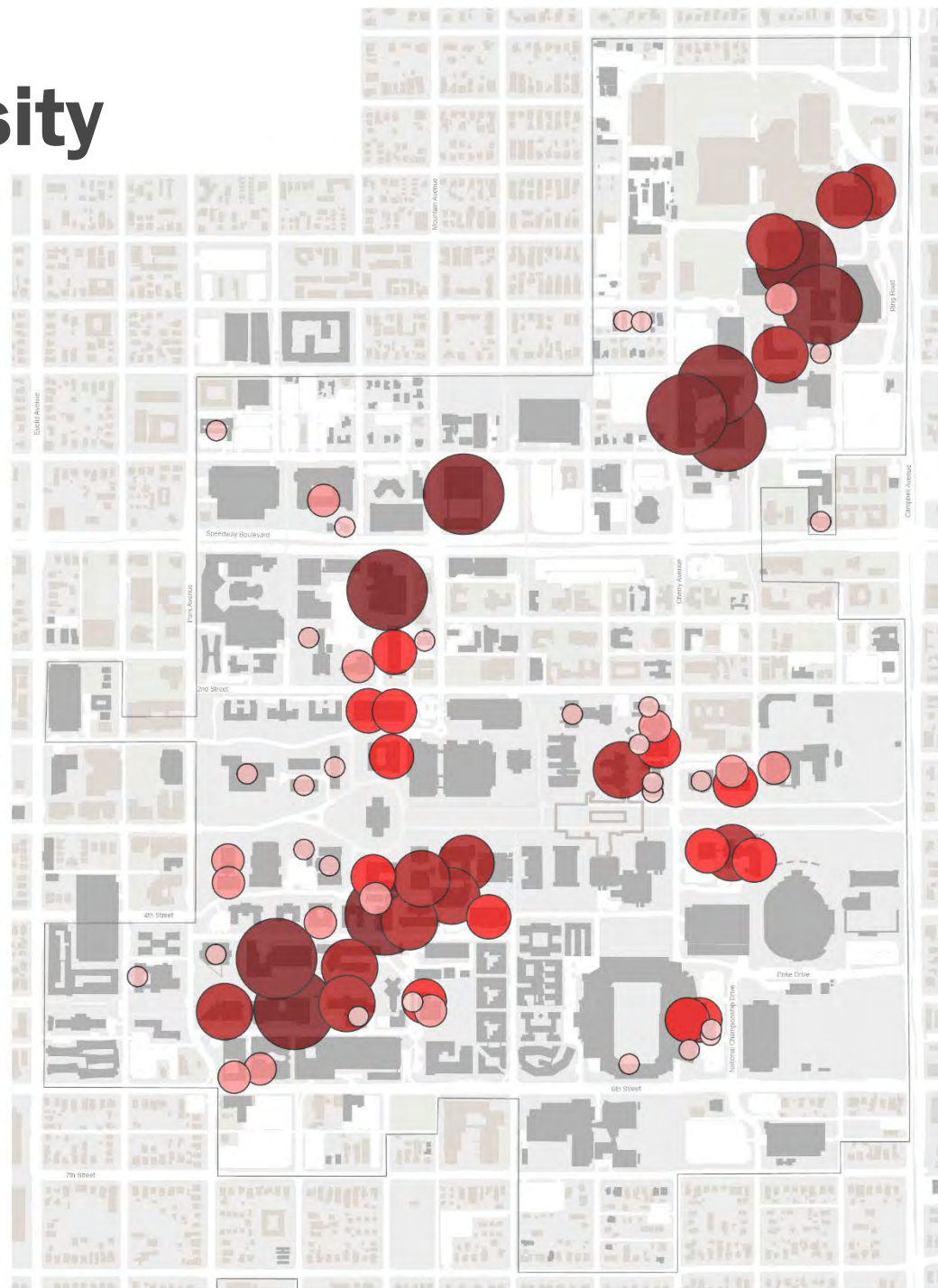


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Research Density

Total Research Space Area (ft²)

- ≤ 3,500
- ≤ 9,000
- ≤ 14,500
- ≤ 38,000
- ≤ 64,000

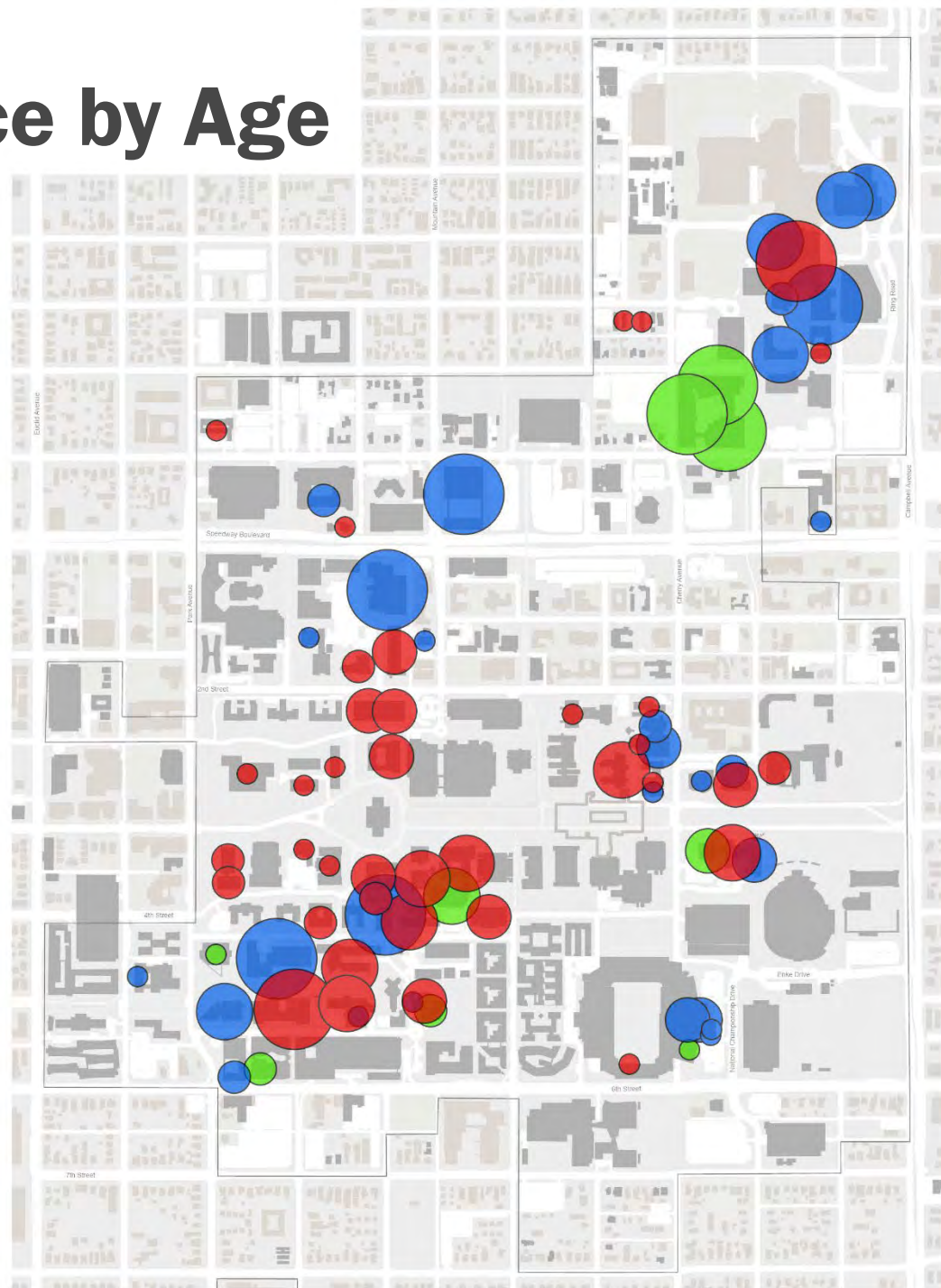


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Research Space by Age

Total Research Space Area (ft²)

- ≤ 3,500
- ≤ 9,000
- ≤ 14,500
- ≤ 38,000
- ≤ 64,000

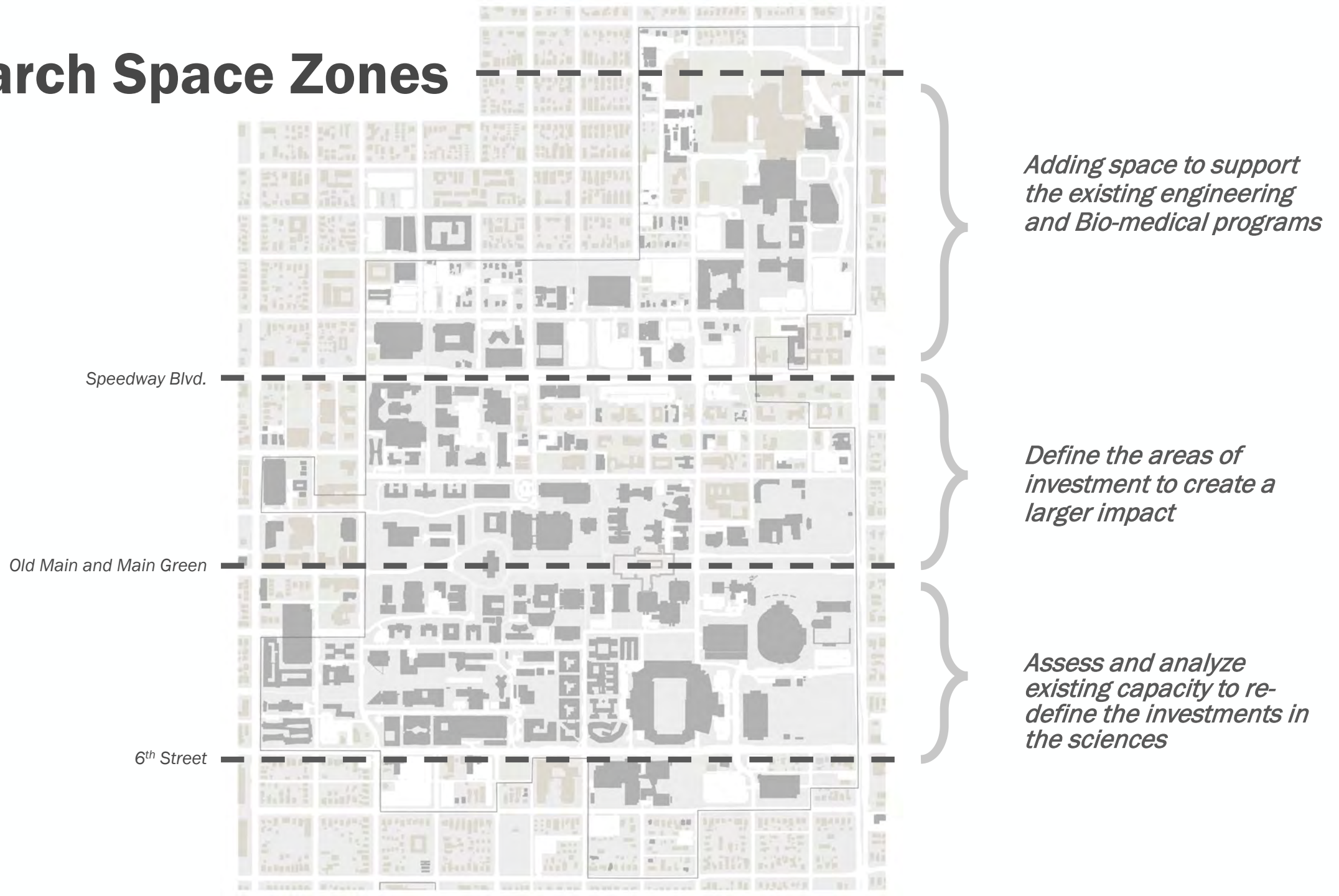


Building Age in Years

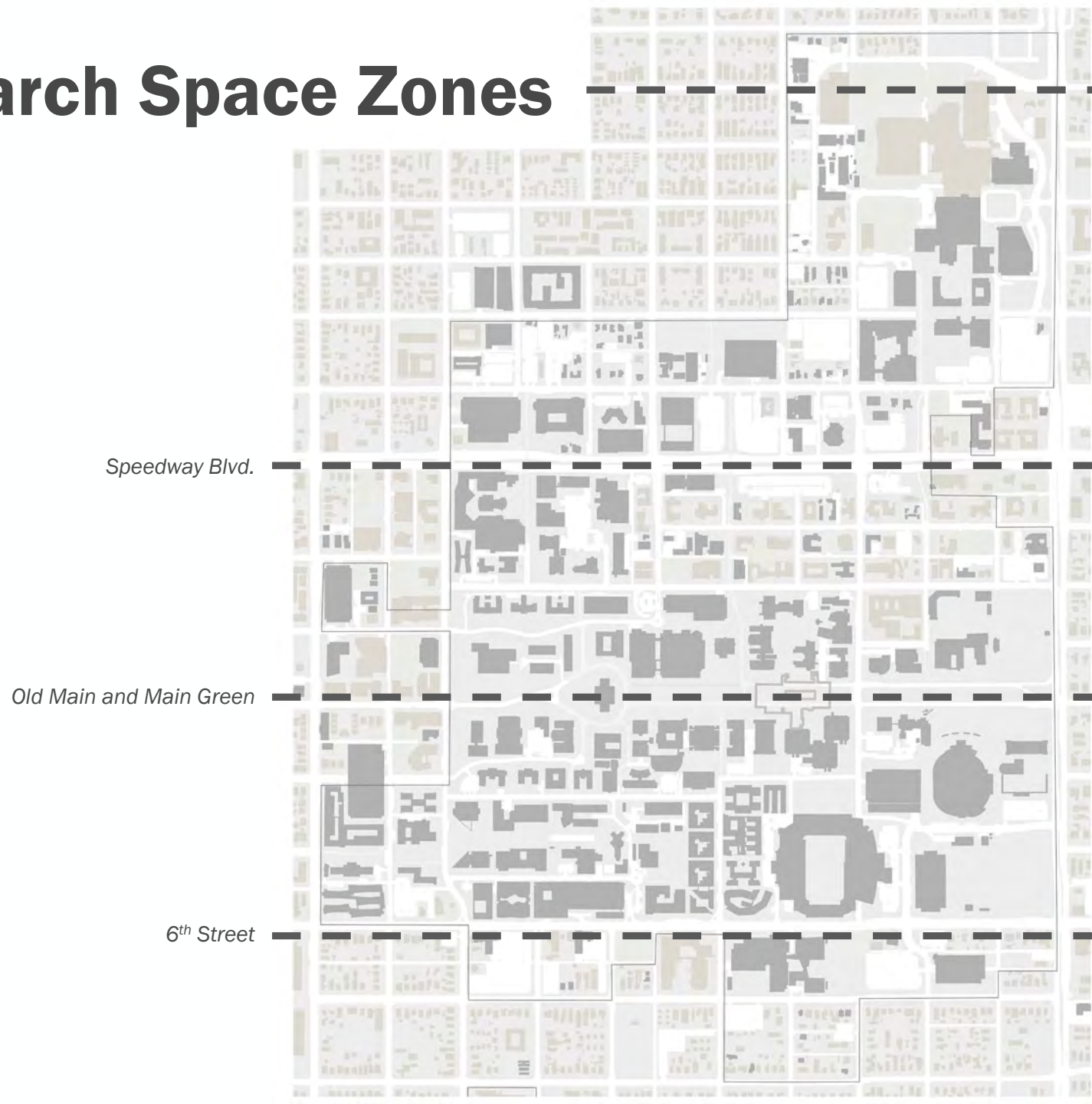
- ≤ 15
- 16 - 45
- ≥ 46

**Needs to be updated through 2022 to include any proposed planning projects*

Research Space Zones



Research Space Zones



EXPAND

Adding space to support the existing engineering and Bio-medical programs

INVEST

Define the areas of investment to create a larger impact

RE-INVEST

Assess and analyze existing capacity to re-define the investments in the sciences

Space Metrics

Need updated Space Metrics

Last data set from 2019

Need to assess and develop a long-term strategy

C	D	E	F	G	H	
Room Number	Room Area	Room Category	Room Category Description	Capacity	Department Code	
2	2,183	625	Exhibition Service	0	2201	Museum of
3	48	730	Central Storage	0	2201	Museum of
4	620	310	Office	5	2201	Museum of
4A	151	310	Office	1	2201	Museum of
5	819	030	Mechanical Area	0	9956	Unassignat
6	644	625	Exhibition Service	2	2201	Museum of
6A	200	310	Office	3	2201	Museum of
7	775	030	Mechanical Area	0	9956	Unassignat
8	1,324	625	Exhibition Service	0	2201	Museum of
8A	174	625	Exhibition Service	0	2201	Museum of
8B	40	030	Mechanical Area	0	9956	Unassignat
8C	213	625	Exhibition Service	0	2201	Museum of
8C1	107	625	Exhibition Service	1	2201	Museum of
9	65	225	Open Laboratory Service	0	3504	School of A
9B	325	030	Mechanical Area	0	9956	Unassignat
11	733	315	Office Service	20	3504	School of A
11A	124	310	Office	6	3504	School of A
11A1	10	315	Office Service	0	3504	School of A
11B	130	310	Office	1	3504	School of A
11C	251	310	Office	2	3504	School of A
11C1	76	315	Office Service	0	3504	School of A
11D	136	310	Office	2	3504	School of A
11E	266	350	Conference	12	3504	School of A
11F	53	030	Mechanical Area	1	9956	Unassignat
2	1,130	140	Computer Instructional	20	3504	School of A
2A	86	215	Class Laboratory Service	0	3504	School of A
10N	1,626	020	Circulation Area	0	9956	Unassignat
4B	147	310	Office	1	2201	Museum of
10E	558	030	Mechanical Area	0	9956	Unassignat
10N1	953	020	Circulation Area	0	9956	Unassignat
11	302	020	Circulation Area	0	9956	Unassignat
11A	255	310	Office	1	3504	School of A
11B	1,204	620	Exhibition	10	3504	School of A
11C	2,062	620	Exhibition	30	3504	School of A
11D	317	310	Office	3	3504	School of A
11D1	161	310	Office	1	3504	School of A
11D2	225	310	Office	1	3504	School of A
11D3	159	310	Office	1	3504	School of A
11D4	39	315	Office Service	0	3504	School of A
11E	48	030	Mechanical Area	1	9956	Unassignat
5	737	210	Class Laboratory	5	3504	School of A
5A	104	215	Class Laboratory Service	0	3504	School of A
7	55	030	Mechanical Area	1	9956	Unassignat
9	1,041	210	Class Laboratory	24	3504	School of A
9A	160	310	Office	5	3504	School of A
9B	111	310	Office	0	3504	School of A
9C	143	310	Office	2	3504	School of A
9D	373	210	Class Laboratory	25	3504	School of A
9E	191	215	Class Laboratory Service	0	3504	School of A
10A	1,017	210	Class Laboratory	25	3504	School of A
10B	916	210	Class Laboratory	25	3504	School of A
10B1	58	215	Class Laboratory Service	0	3504	School of A
10B2	39	215	Class Laboratory Service	0	3504	School of A
10N1	811	020	Circulation Area	0	9956	Unassignat
10N2	476	020	Circulation Area	0	9956	Unassignat
10W1	1,712	020	Circulation Area	0	9956	Unassignat
3	2,727	210	Class Laboratory	20	3504	School of A

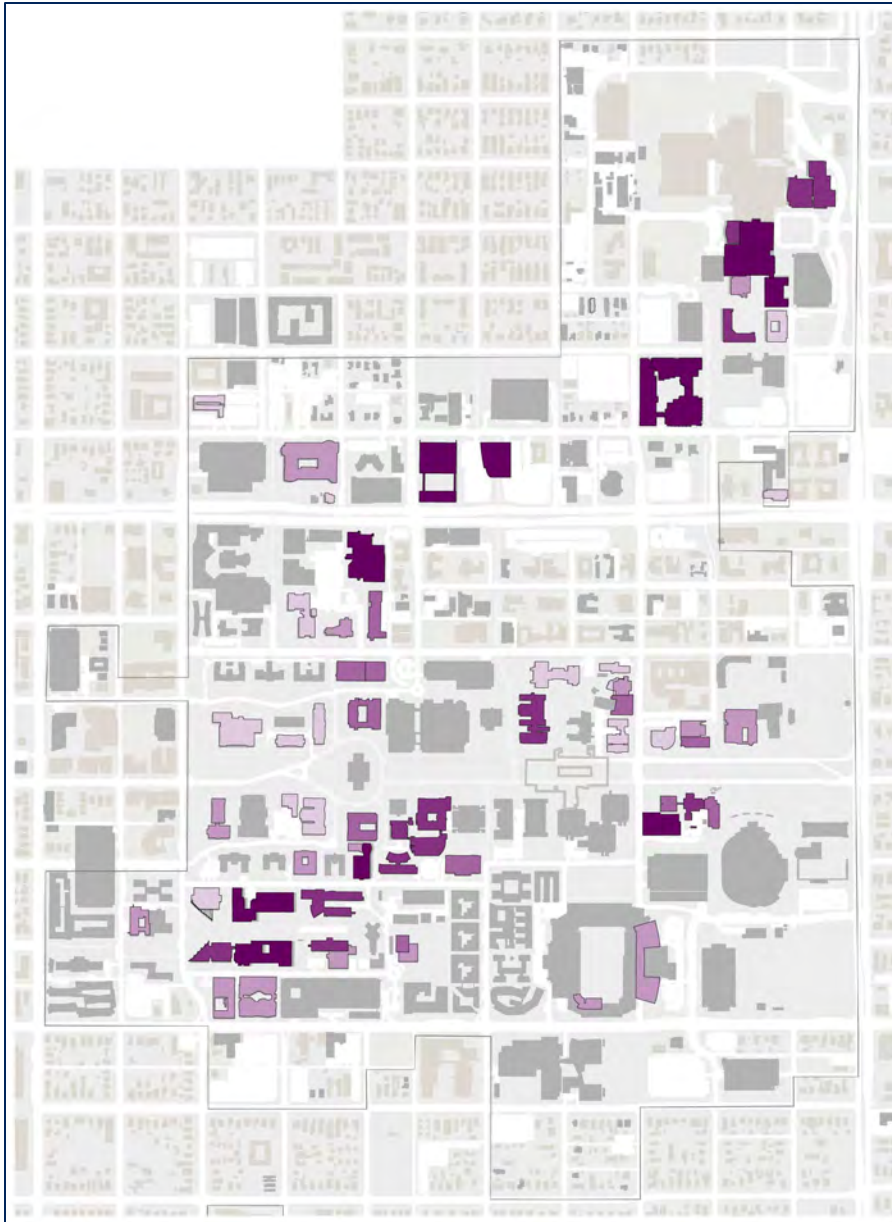
ASSESS Top "28"

1. New & Performing
2. Mid-life & Performing
3. Later-life & Re-invest
4. Later-life & Obsolete

**Needs to be updated through 2022 to include any proposed planning projects*



**2020 Master Plan
Research Study and
Recommendations**



Research Space

CAMPUS LOCATIONS

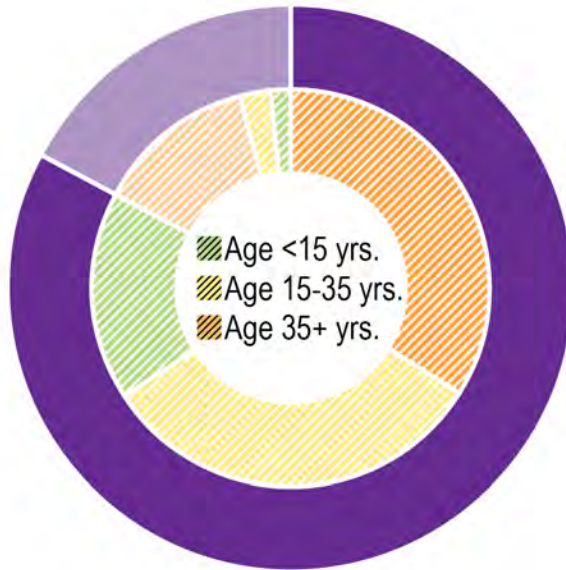
~ **15%**

Of total existing campus space is Research
(2019)

~ **1.14 M GSF**

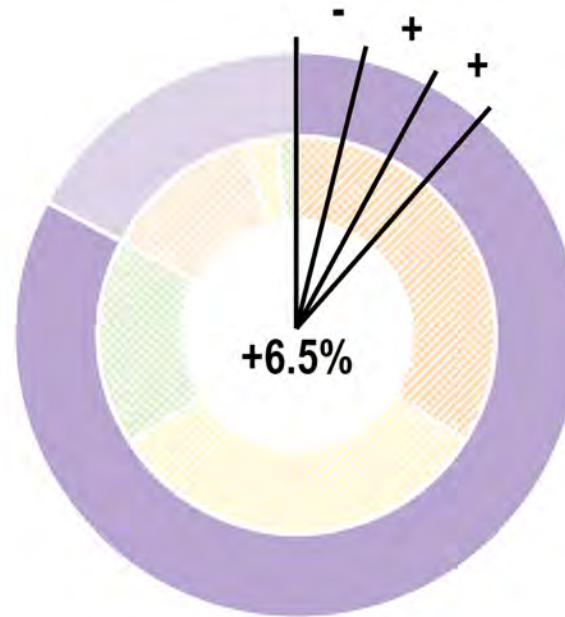
Research Space

WHERE WE LEFT OFF...



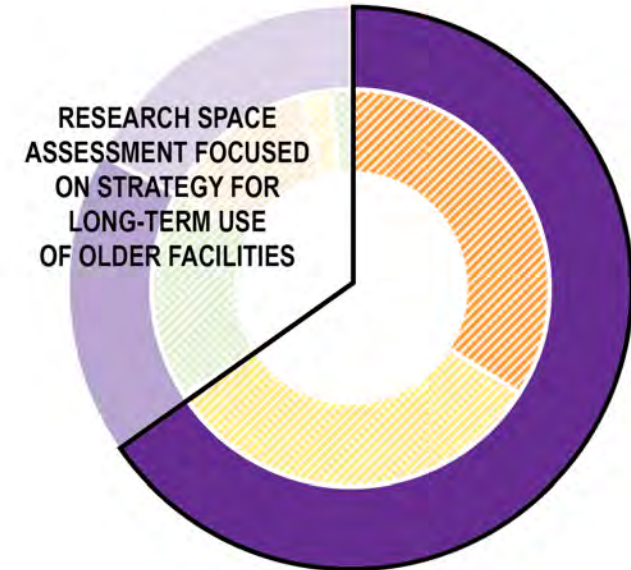
EXISTING
1,148,000 SF

Space Type	D-C
■ "Top 28" Research Bldgs.	955,500 sf
■ All other Research Bldgs.	192,500 sf



PLANNED
1,227,500 SF

- Under development projects that may impact
- Chemistry Renovations **(-29,000 SF)**
 - Grand Challenges Building **(+63,000 SF)**
 - Center for Integrative Medicine **(+1,500 SF)**
 - Applied Research Building **(+44,000 SF)**



FUTURE
?????? SF

- Variable based on:
- Changing space types and support needs
 - Research profile & expenditure growth
 - Approach to New vs. Reno vs. Re-purpose

Research Space

POTENTIAL RECOMMENDATIONS

- Where do the next 3 key research & innovation facilities go on campus?
- Study the research-focused top 28 buildings for potential renovations, divesting, repurposing or other long-term strategies
- Define potential attributes and typologies for innovation and collaboration spaces and consider parameters for inclusion of these spaces into new/reno projects
- Define basic parameters for integration of research space into the broader campus framework
- Identify potential locations and scale for physical research components based on the strategic plan
- Do research building projects (new/reno) to include instructional space components?

Key Takeaways and Topics

RESEARCH AND INNOVATION

Space Needs

- General guiding proportion of future space for research and innovation
- Consider new models of use – shared through flex
- Parameters for Access and “Presence”
- Determine position on campus for next key projects and resources
- Research programs and emphasis on long-term space strategies

Typologies

- Balance the spectrum of uses near term and long term
- Determine typologies of research and innovation spaces for specific uses and emerging needs
- Consider flexible and adaptable typologies when possible
- Consider the “Practice of Research”

Attributes

- Consider location, visibility and access
- Open Hub models for students
- Shared Core models for researchers
- Expand the presence of the activity
- Can we develop “Brand” and is Research part of the experience at UArizona?

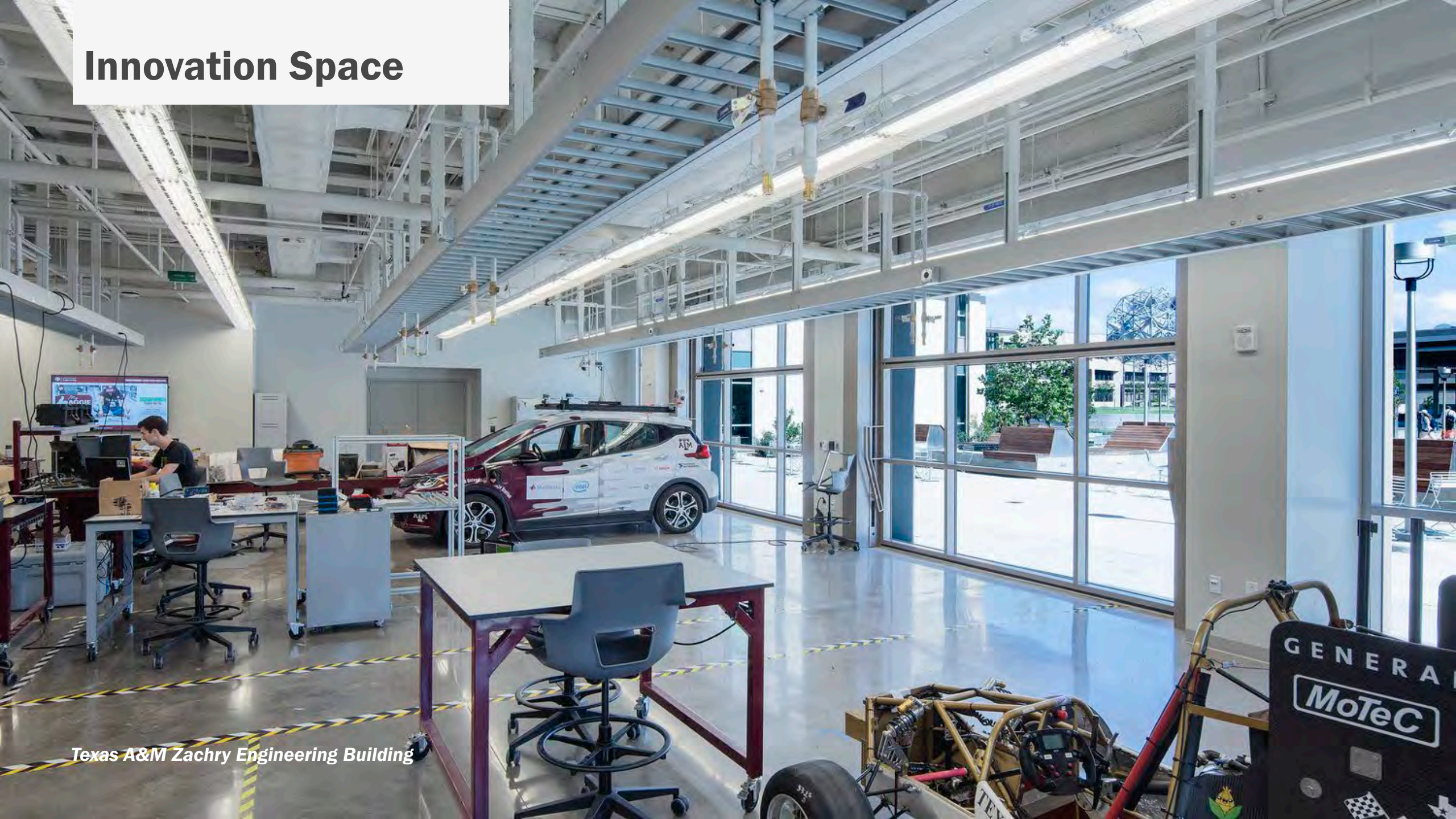


Research Requirements Identified



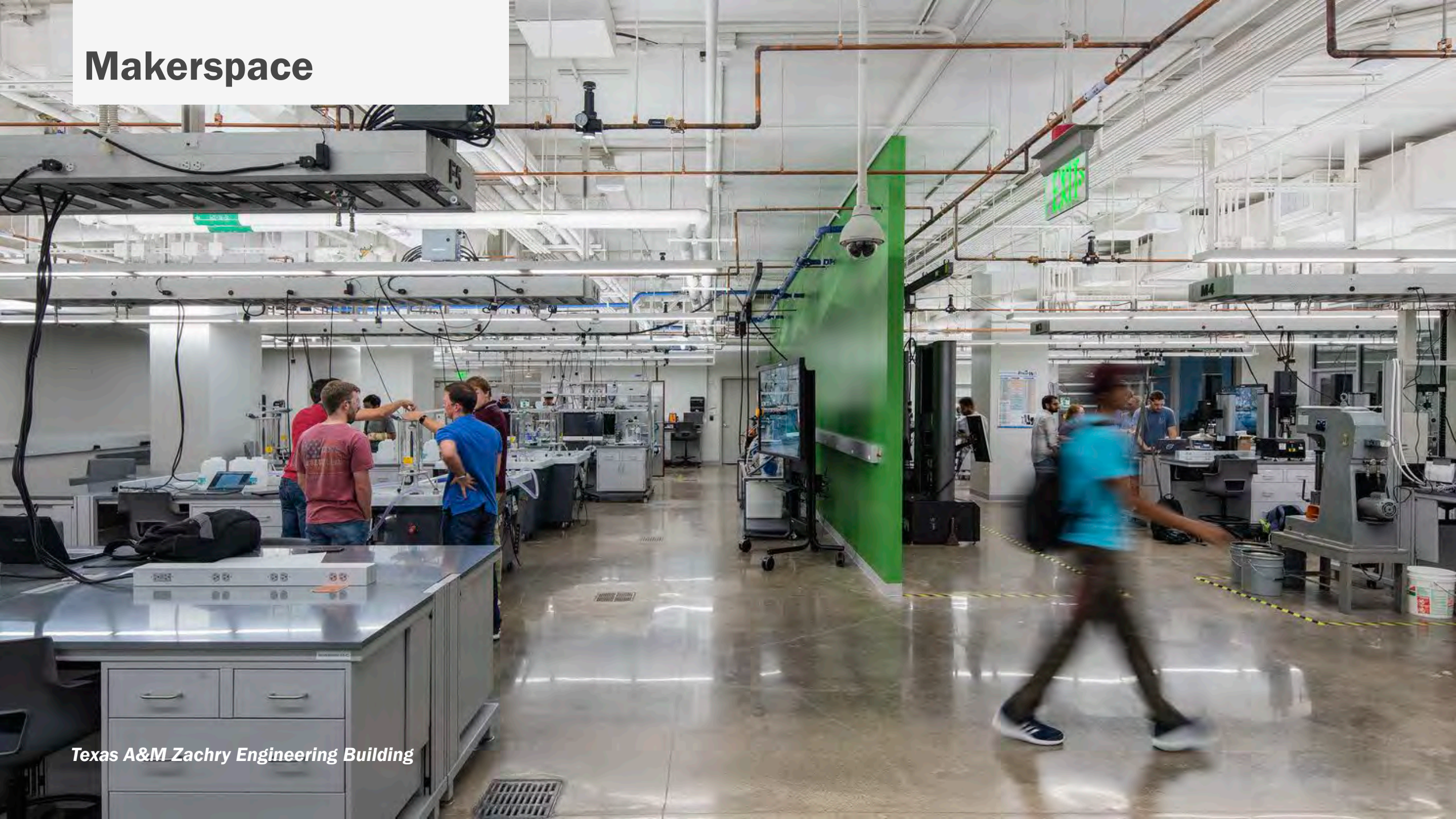
Future of Research & Innovation Discussion

Innovation Space



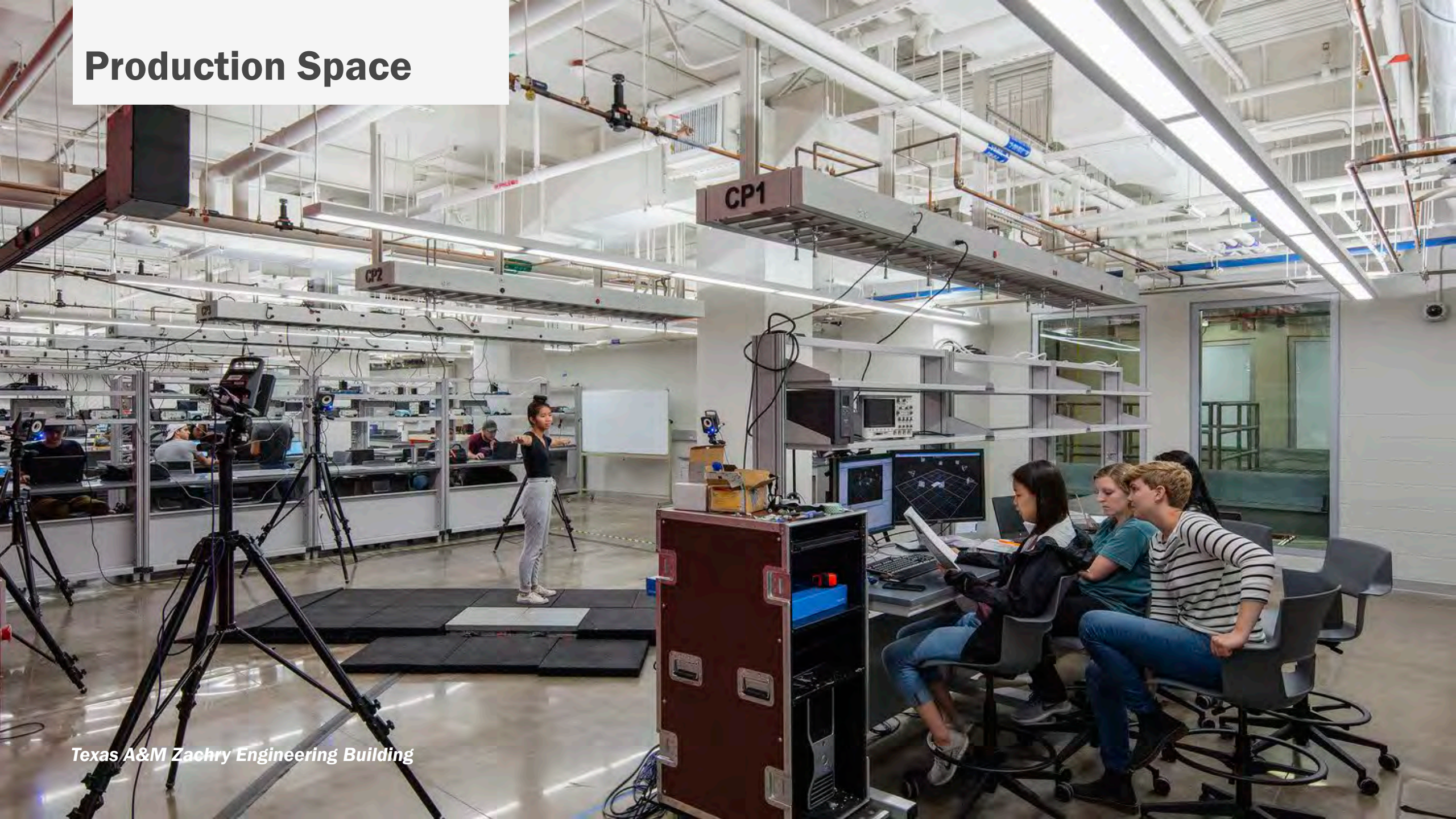
Texas A&M Zachry Engineering Building

Makerspace



Texas A&M Zachry Engineering Building

Production Space



Computation Space



Collaboration Space



EXISTING INVENTORY

Discussion Point

Research Space Attributes

- Are there key buildings that have critical campus positions that will be better used long term?
- Do we need to shed or re-imagine any of the current space? Are they facing obsolescence?



TYOLOGY

Discussion Point

Research Space Attributes

- Do we need more or less of specific type of research space?
- What do you see in the future as the primary space types to support innovation and research?



PANDEMIC

Discussion Point

Pandemic impacts on research

- What research goals have changed in the past 2 years?
- Are there updated research initiatives that will inform the master planning process?



SUSTAINABILITY

Discussion Point

Research Sustainability Goals

- What sustainability goals do the research initiatives currently follow? Are there any considerations for the future?
- Any general thoughts about how the campus functions today?
- What impacts and changes have occurred regarding providing work and services?



FUTURE

Discussion Point

Future of Research on campus

How do you envision the future of research on campus? (*Size/Capacity, Location, Typology*)

We are trying to assess location of critical research and innovation spaces and resources



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Thank You!

Please direct any questions or follow-up to:

Ed Galda
University Planner

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