



California State Polytechnic University, Pomona

Master Plan Update

President's Cabinet Update



23 April 2018

AGENDA

President's Cabinet Executive Committee

Update on Process/Progress / Timeline

- Communications – Website, Stakeholder Mtgs
- Follow-up from last President's Cabinet update

Space Analytics: Instructional Space Utilization

Workshop #3

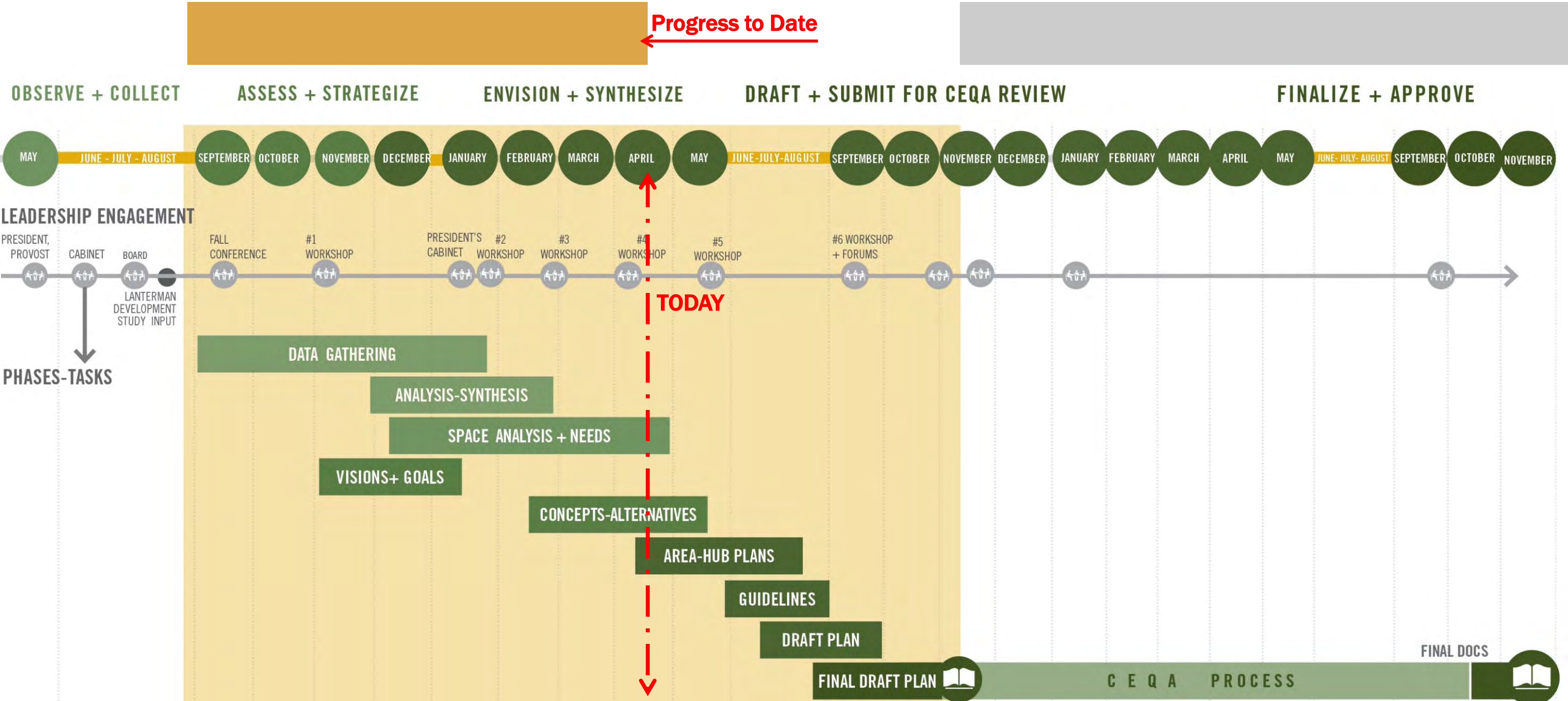
- Sustainability Open Session

Workshop #4

Discussion

23 April 2018

Project Timeline – Fall 2017 to Fall 2018



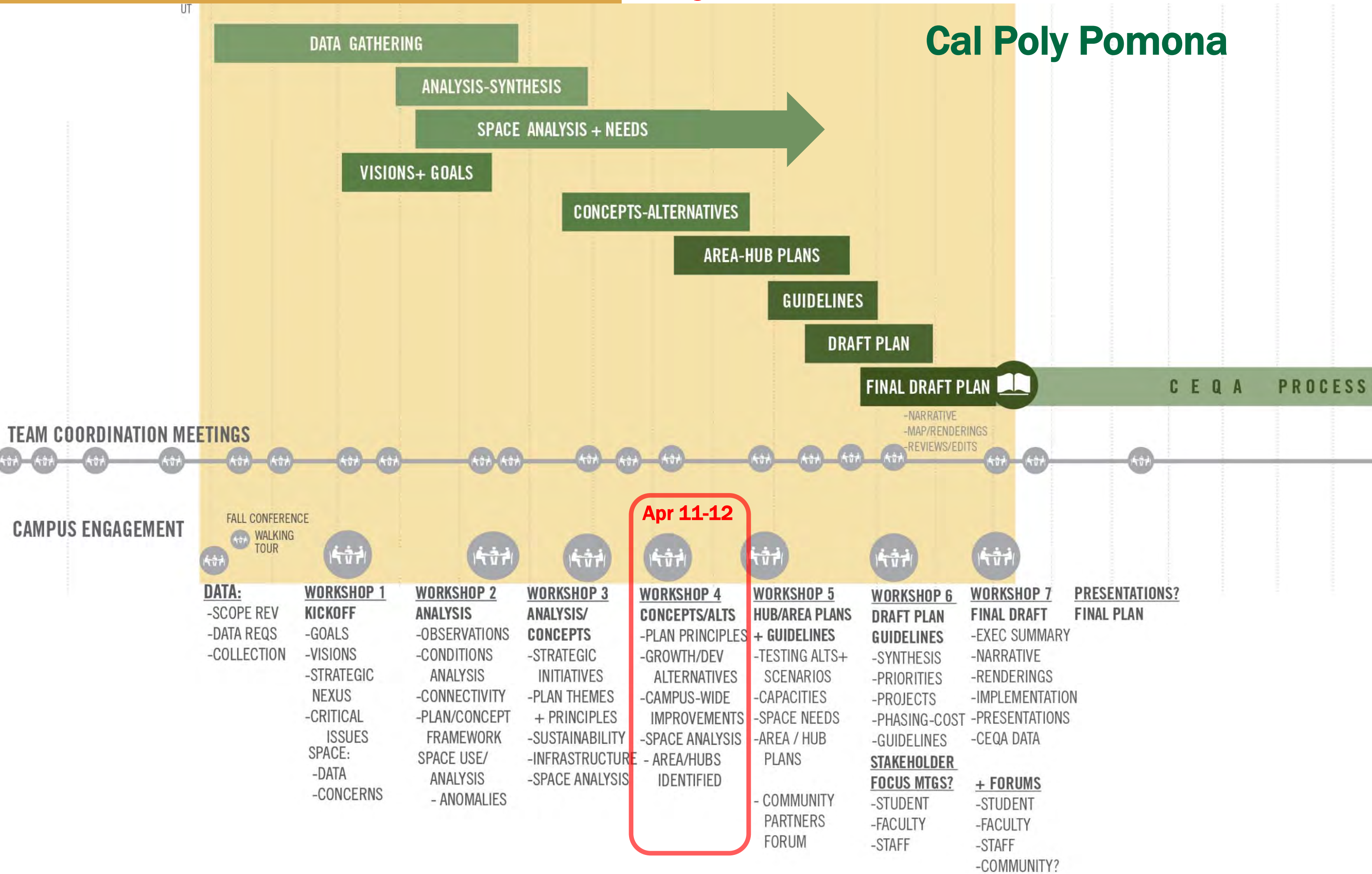
Master Planning

roughly halfway through the process

CEQA Review Process

← Progress to Date

Cal Poly Pomona



TEAM COORDINATION MEETINGS

CAMPUS ENGAGEMENT

DATA:	WORKSHOP 1	WORKSHOP 2	WORKSHOP 3	WORKSHOP 4	WORKSHOP 5	WORKSHOP 6	WORKSHOP 7	PRESENTATIONS?
-SCOPE REV -DATA REQS -COLLECTION	KICKOFF -GOALS -VISIONS -STRATEGIC NEXUS -CRITICAL ISSUES SPACE: -DATA -CONCERNS	ANALYSIS -OBSERVATIONS -CONDITIONS ANALYSIS -CONNECTIVITY -PLAN/CONCEPT FRAMEWORK SPACE USE/ ANALYSIS - ANOMALIES	ANALYSIS/ CONCEPTS -STRATEGIC INITIATIVES -PLAN THEMES + PRINCIPLES -SUSTAINABILITY -INFRASTRUCTURE -SPACE ANALYSIS	CONCEPTS/ALTS -PLAN PRINCIPLES -GROWTH/DEV ALTERNATIVES -CAMPUS-WIDE IMPROVEMENTS -SPACE ANALYSIS - AREA/HUBS IDENTIFIED	HUB/AREA PLANS + GUIDELINES -TESTING ALTS+ SCENARIOS -CAPACITIES -SPACE NEEDS -AREA / HUB PLANS - COMMUNITY PARTNERS FORUM	DRAFT PLAN GUIDELINES -SYNTHESIS -PRIORITIES -PROJECTS -PHASING-COST -GUIDELINES STAKEHOLDER FOCUS MTGS? -STUDENT -FACULTY -STAFF	FINAL DRAFT -EXEC SUMMARY -NARRATIVE -RENDERINGS -IMPLEMENTATION -PRESENTATIONS -CEQA DATA + FORUMS -STUDENT -FACULTY -STAFF -COMMUNITY?	FINAL PLAN

CPP Campus Master Plan Website

The screenshot shows the main website with a navigation menu on the left for 'Campus Master Plan 2018' including Committee, Stakeholder Meetings, Open Workshops, and Contact. The main content area features a video player titled 'Planning our Future' with a play button and a progress bar. Below the video, there are sections for 'Campus Master Plan Process' and 'Master Plan' with links to 'Master Plan (PDF)' and 'MAP'.

This screenshot shows the 'Workshop Archives' page. It features a navigation menu on the left and a list of workshop events on the right. The events listed are: September 18, 2017 - Master Plan Kickoff (Fall Conference), November 9, 2017 - Workshop #1, and February 2018 - Workshop #2. Each event has a dropdown arrow indicating further content like articles or presentations.

This screenshot shows the 'Advisory Committee Meetings' page. It includes a navigation menu on the left and details for two meetings. The first meeting was on November 8, 2017, at 12:00-2:30 p.m. in the CLA - Heritage Room. The second meeting was on January 22, 2018, at 12:00-2 p.m. with a location to be determined (TBD). Both sections include an 'Information' paragraph describing the meeting's purpose and outcomes.

- updated after every workshop
- Advisory Committee session presentations w/input are posted

<https://www.cpp.edu/~fpm/planning-design-construction/master-plan-2018>

Overview of Workshop #2 Activities

President's Cabinet Discussion

- Engagement:
- ✓ student participation is high, need to include all colleges
 - ✓ reach out to culturally-based student organizations
 - ✓ engage Faculty Senate – presentation 3/7/2018
 - ✓ reach out to Foundation, Alumni Association Board
- in progress*
- ✓ plan a community listening session
 - Cities: Pomona, Walnut, Industry, Diamond Bar
 - LA County, San Gabriel Economic Partnership
 - Regional Transit, Fairplex, Mt Sac College

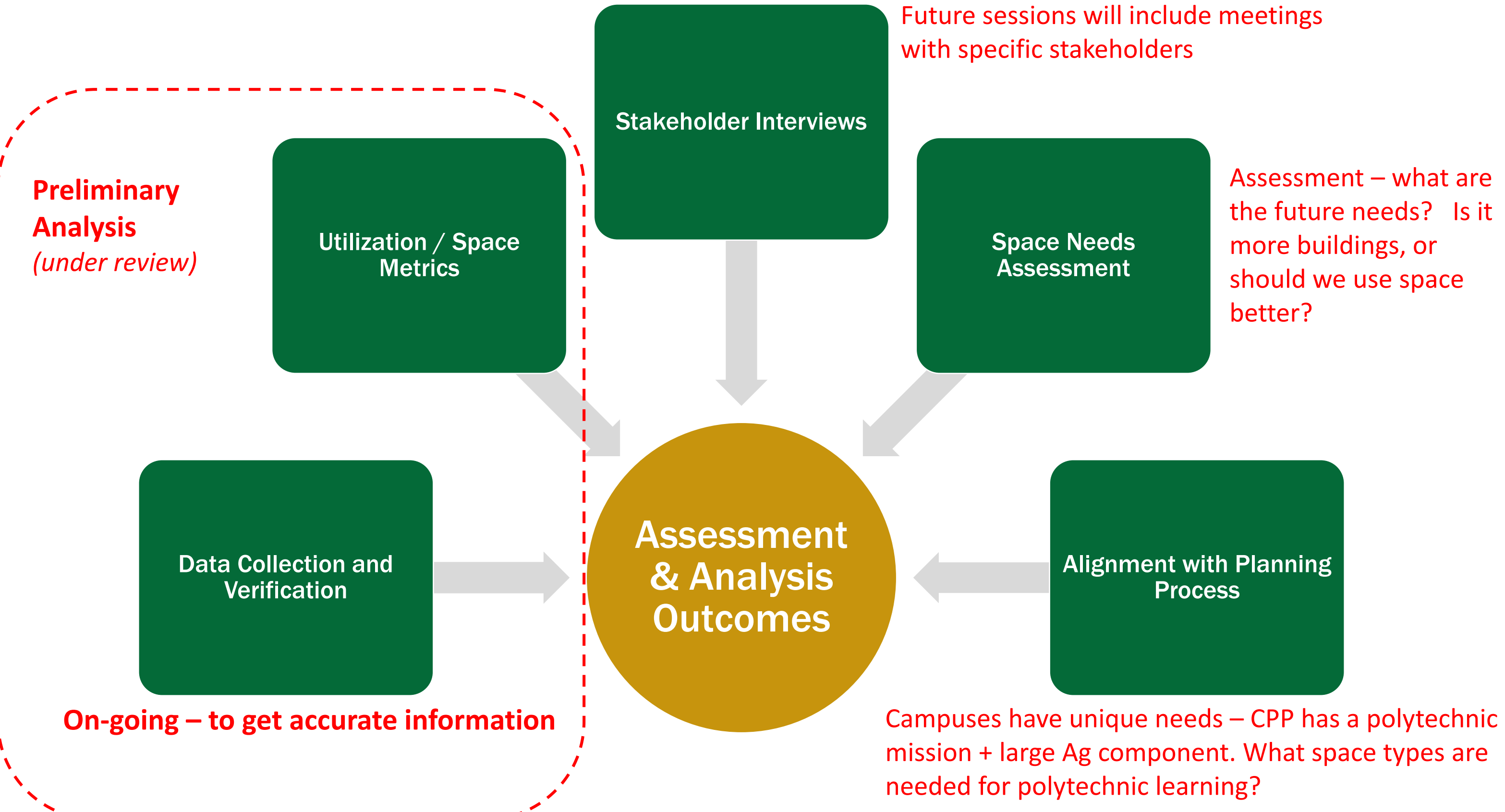
AGENDA

**President's Cabinet
Executive Committee**

Space Analytics: Instructional Space Utilization

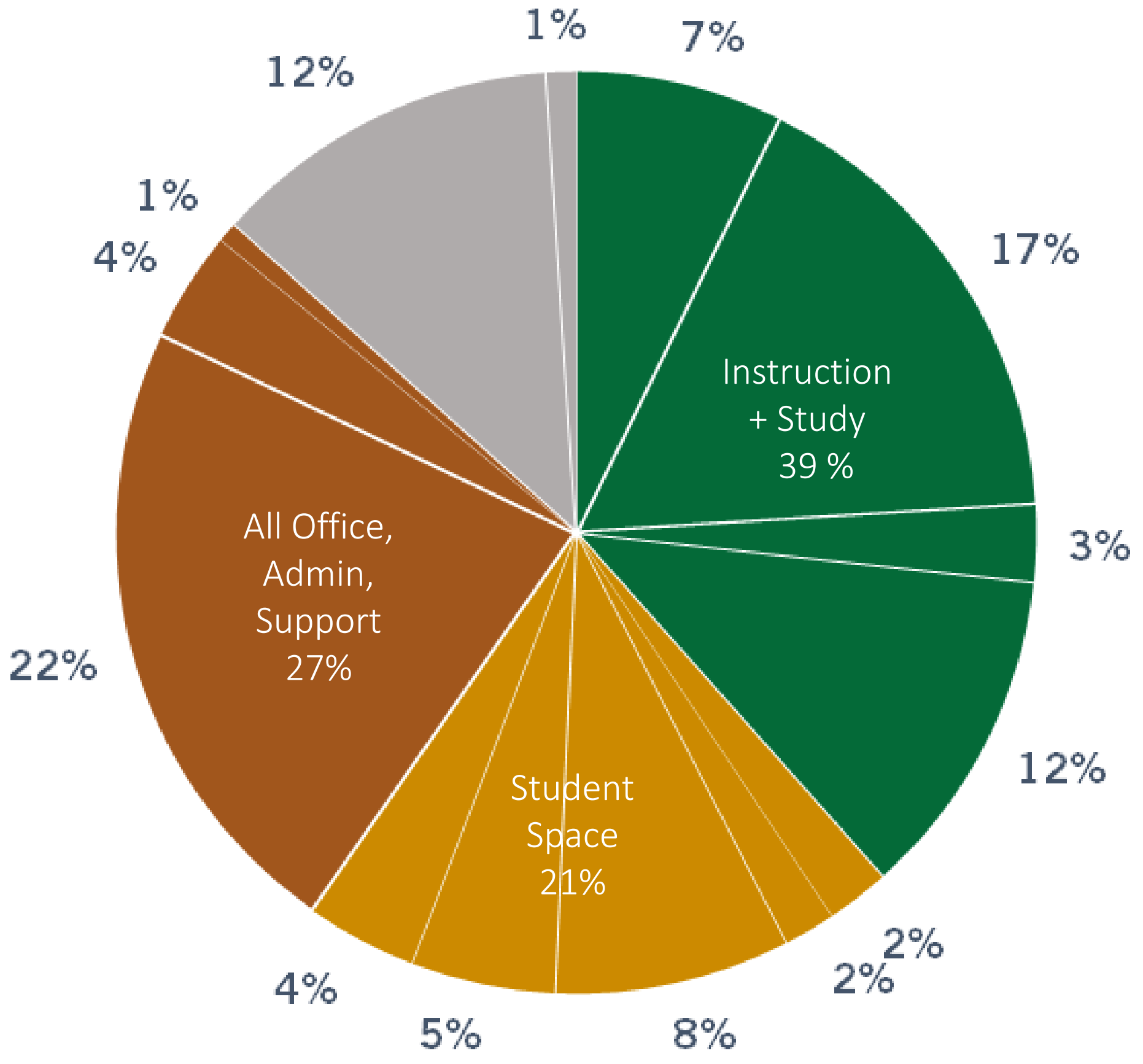
23 April 2018

Components of the Space Study



CPP Space Distribution

Classrooms	134,074
Instructional Labs	309,591
Research Space	49,341
Library & Study Space	215,984
Assembly + Exhibit	40,938
Student Space	33,482
Special Support	153,275
Other Academic Space	93,642
Athletics + Recreation	71,865
Offices	413,193
Other Admin Space	71,120
Physical Plant	12,403
SUBTOTAL	1,598,908
Residence Life	227,843
Field Areas (Buildings)	19,328
SUBTOTAL	1,846,079



Scheduled Use

Classrooms are highly scheduled from 8AM to 8PM (except for Fridays, weekends)

Main Campus

Scheduled Classroom Use by Day and Time - Fall 2017

(Darker colors indicate a large percentage of rooms are scheduled.)

DRAFT FINDINGS

8:00 AM	53% 83 Rooms	61% 96 Rooms	51% 81 Rooms	59% 94 Rooms	42% 67 Rooms	38% 60 Rooms
9:15 AM	79% 125 Rooms	97% 154 Rooms	77% 122 Rooms	96% 152 Rooms	63% 100 Rooms	59% 94 Rooms
10:30 AM	84% 132 Rooms	92% 146 Rooms	80% 127 Rooms	92% 145 Rooms	68% 108 Rooms	60% 95 Rooms
12:00 PM	69% 109 Rooms	1% 1 Rooms	72% 113 Rooms	0% 0 Rooms	55% 87 Rooms	28% 45 Rooms
1:00 PM	48% 76 Rooms	98% 155 Rooms	53% 83 Rooms	96% 152 Rooms	28% 45 Rooms	46% 73 Rooms
2:00 PM	92% 146 Rooms	97% 154 Rooms	91% 143 Rooms	95% 150 Rooms	25% 40 Rooms	58% 91 Rooms
3:00 PM	85% 134 Rooms	84% 133 Rooms	82% 130 Rooms	84% 132 Rooms	23% 37 Rooms	51% 81 Rooms
4:00 PM	83% 131 Rooms	85% 134 Rooms	82% 130 Rooms	82% 130 Rooms	8% 12 Rooms	49% 77 Rooms
5:00 PM	78% 124 Rooms	57% 90 Rooms	79% 125 Rooms	55% 87 Rooms	4% 6 Rooms	39% 62 Rooms
6:00 PM	70% 110 Rooms	77% 121 Rooms	73% 115 Rooms	75% 119 Rooms	1% 2 Rooms	42% 67 Rooms
7:00 PM	69% 109 Rooms	56% 88 Rooms	73% 116 Rooms	56% 88 Rooms	1% 2 Rooms	37% 58 Rooms
8:00 PM	26% 41 Rooms	42% 66 Rooms	27% 42 Rooms	42% 67 Rooms	1% 2 Rooms	20% 31 Rooms

Total classrooms = 158

	Monday	Tuesday	Wednesday	Thursday	Friday	*Average
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Instructional Space Summary ASG + CSU

Category	Room Count	Total Stations	ASF / Station	Weekly Room Hours	Station Occupancy %	Weekly Station Hours	Conversion Factor	FTE
Classrooms ALL	165	7,949	17	38.0	74%	30.0		
Classrooms SCHEDULED	158	7,797	17	40.0	77%	30.6		
Permanent SS		7,206		53.0	66%	35.0	2.33	16,790
Temporary SS		766		BELOW TARGET	EXCEEDS TARGET	BELOW TARGET	2.33	1,785

1

Category	Room Count	Total Stations	ASF / Station	Weekly Room Hours	Station Occupancy %	Weekly Station Hours	Conversion Factor	FTE
Teaching Lab-Lower Div	56	1,132	57	23.0	101%	26.8		
Permanent SS		1,132		27.5	85%	23.4	0.52	589
Teaching Lab-Upper Div	116	2,242	65	18.0	102%	21.0		
Teaching Lab-Grad	5	104	39	18.0	75%	15.2		
Permanent SS		2,365		22.0	80%	17.6	0.39	922
TOTAL FTE				BELOW TARGET	EXCEEDS TARGET	BELOW TARGET		20,086

2

CSU Capacity Analysis

1 - Classroom Data

- Total Classroom Stations = 7,972

2 - Teaching Laboratory Data

- Total Labs Lower Div = 1,132
- Total Labs Upper Div + Grad = 2,365

CPP Data – ASG Analysis - # of Stations impacts FTE

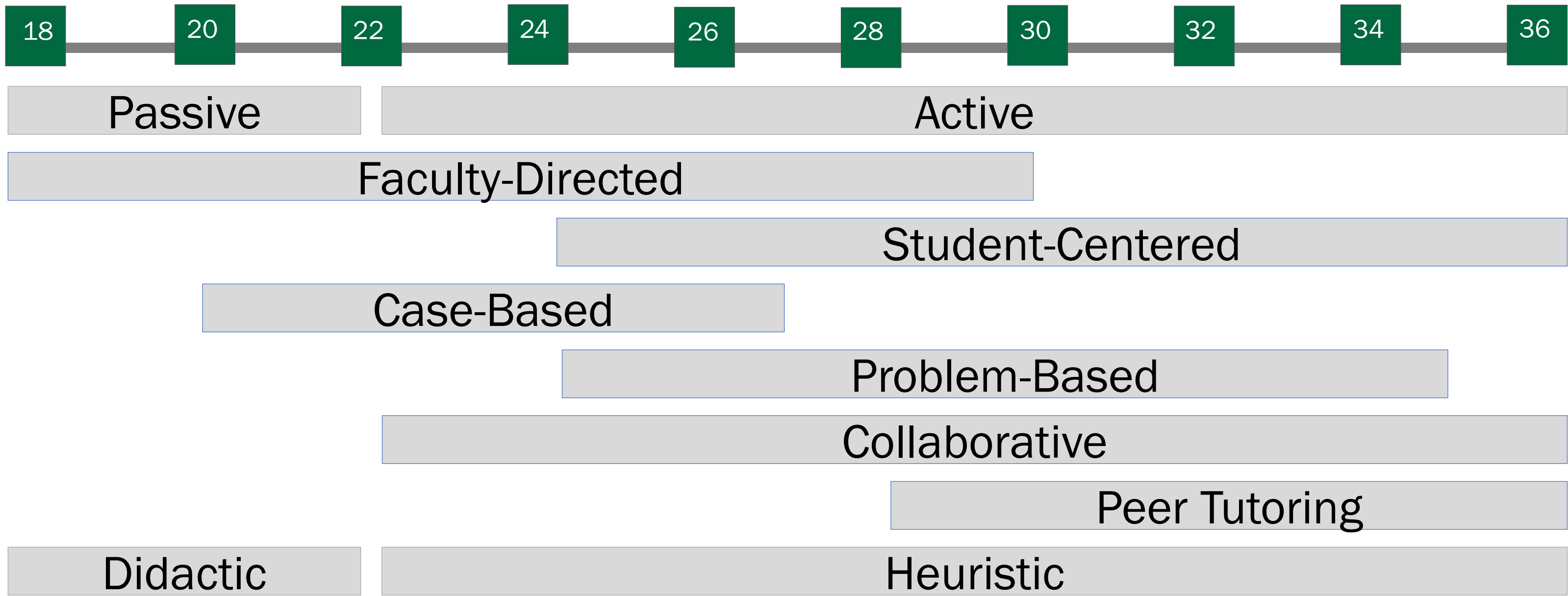
– Total Classroom Stations = 7,949 (23) but 2017 scheduled = 7,797 (175)

-- Total Labs Lower Div = 1,132

-- Total Labs Upper Div + Grad = 2,346 (19)

Classroom Learning Modalities – ASF/Seat-Station

Cal Poly Pomona Classrooms = average 17 ASF/Seat



Welcome to SAMi, California State Polytechnic University Pomona

Planning Team

Let us help you see and understand the space usage at your campus.

SAMi is an interactive data visualization tool that displays the outcomes of your institution's space needs assessment in an interactive manner. There are several reports contained within SAMi. Most of these reports have been presented to your institution in one form or another. This is your chance to view, absorb, or print the outcomes at your leisure. You may also see some details that a 60 minute timeframe doesn't allow in a presentation or workshop format.

Use your mouse to scroll over the various squares, bubbles and bars to see the details of what is being displayed. This is not a scenario planning tool but a strategy to get you involved in reviewing the outcomes of the needs assessment. There are information buttons along the way that will explain what and how to interpret the results and graphics.



Existing Space Distribution



Existing Space Distributed by Space Category

Treemap of space categories. Drill down to view what each space category encompasses.



Existing Space Distributed by Primary Unit

Select a primary unit to view its treemap and all the buildings within.



Existing Space Distributed by Building and Floor

Select a building to view its treemap. Compare building levels by space category and secondary unit.

Space Assessment Process + Progress

Mostly Completed:

- Data collection + field verification
 - *Facilities, enrollment, course schedule*
- Existing space distribution
 - *By space use type*
- Classroom + class laboratory utilization
 - *Space use, stations, scheduling*



Next Tasks:

- Summary of Space Distribution and Utilization Assessment
- Stakeholder sessions - *President, VPs, Deans, Directors*
- Classroom demand - *Translate contact hours to model room count*
- Space assessment + needs prioritization - *Baseline year + future scenarios*
- Findings + outcomes - *Utilize SAMi™ to focus/prioritize critical needs*

Workshop #3: *stakeholders meetings*

- Police, Institutional Risk Management
- Foundation: Dining
- Cultural Organizations: *Office of Student Life and Cultural Centers, African American Student Center, Cesar Chavez Cultural Center, MASA, Native American Center, Pride Center, Greek Life, Women's Resource Center*



Sustainability Open Forum



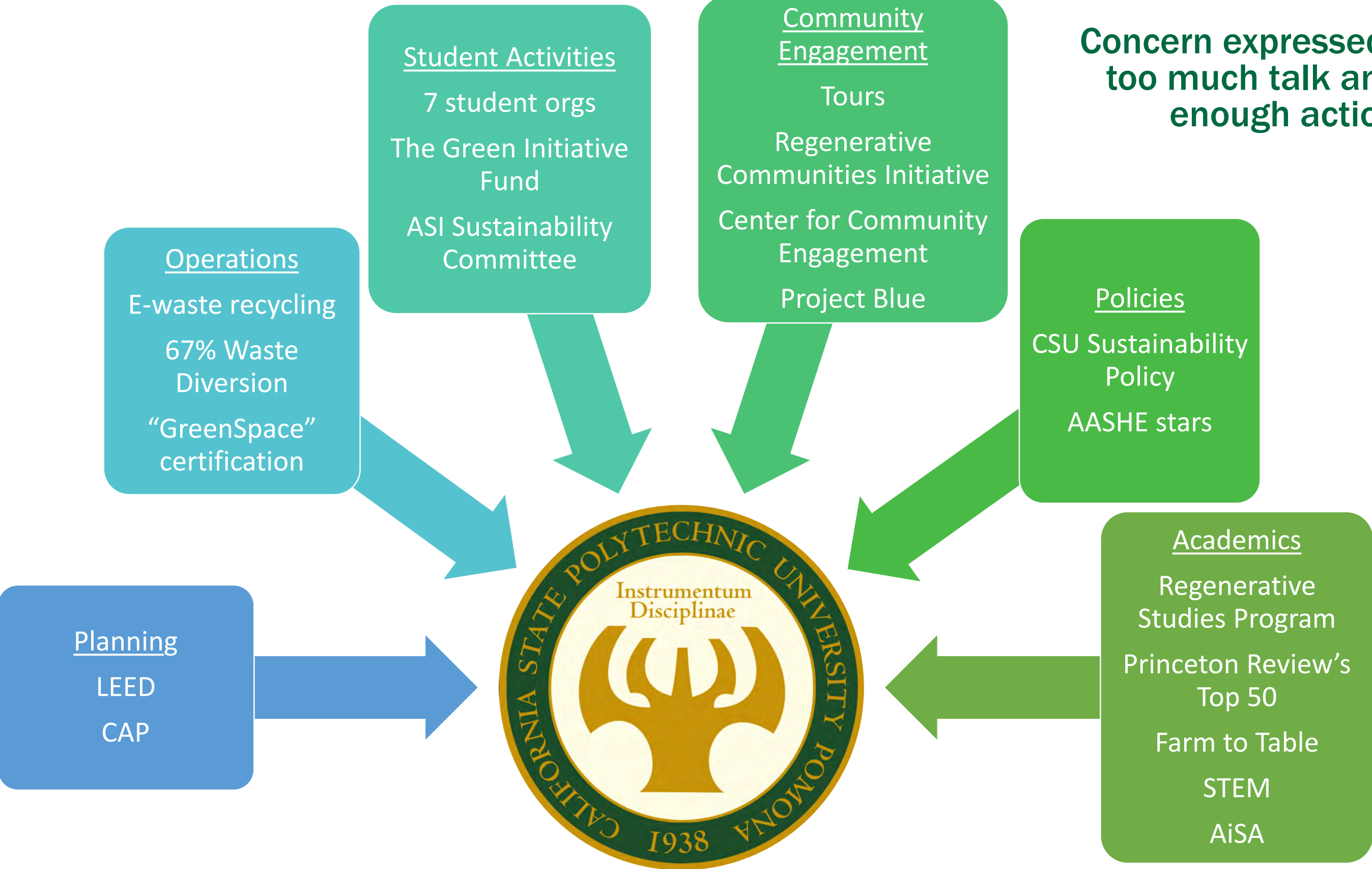
Over 40 participants including students, faculty and staff

- ASI, BEAT
- Rideshare / Parking
- Food Justice Club
- Biotrek, Biology
- Engineering
- Business
- Urban and Regional Planning
- Collins College
- Campus Dining
- Lyle Center

Sustainability – The Big Picture

Lots of activity and interest from students and faculty/staff

Concern expressed about too much talk and not enough action



Sustainability Open Forum

Exercises + Discussion

- Participation:**
- **over 40 students, faculty and staff participating**
 - **‘What would be success be at CPP?’ (1-2-4 Exercise)**
 - *Waste redefined (beyond reduced or recycled)*
 - *Reduce campus CO2 footprint to zero*
 - *Cal Poly Pomona viewed as a leader/model nationally*
 - *Faculty, staff, students understand and practice sustainability (knowledge + commitment)*
 - *ALL buildings are Net Zero or LEED for Existing buildings*
 - *LEED GOLD is the new standard (+ strive for Platinum)*

Sustainability Open Forum

Exercises + Discussion

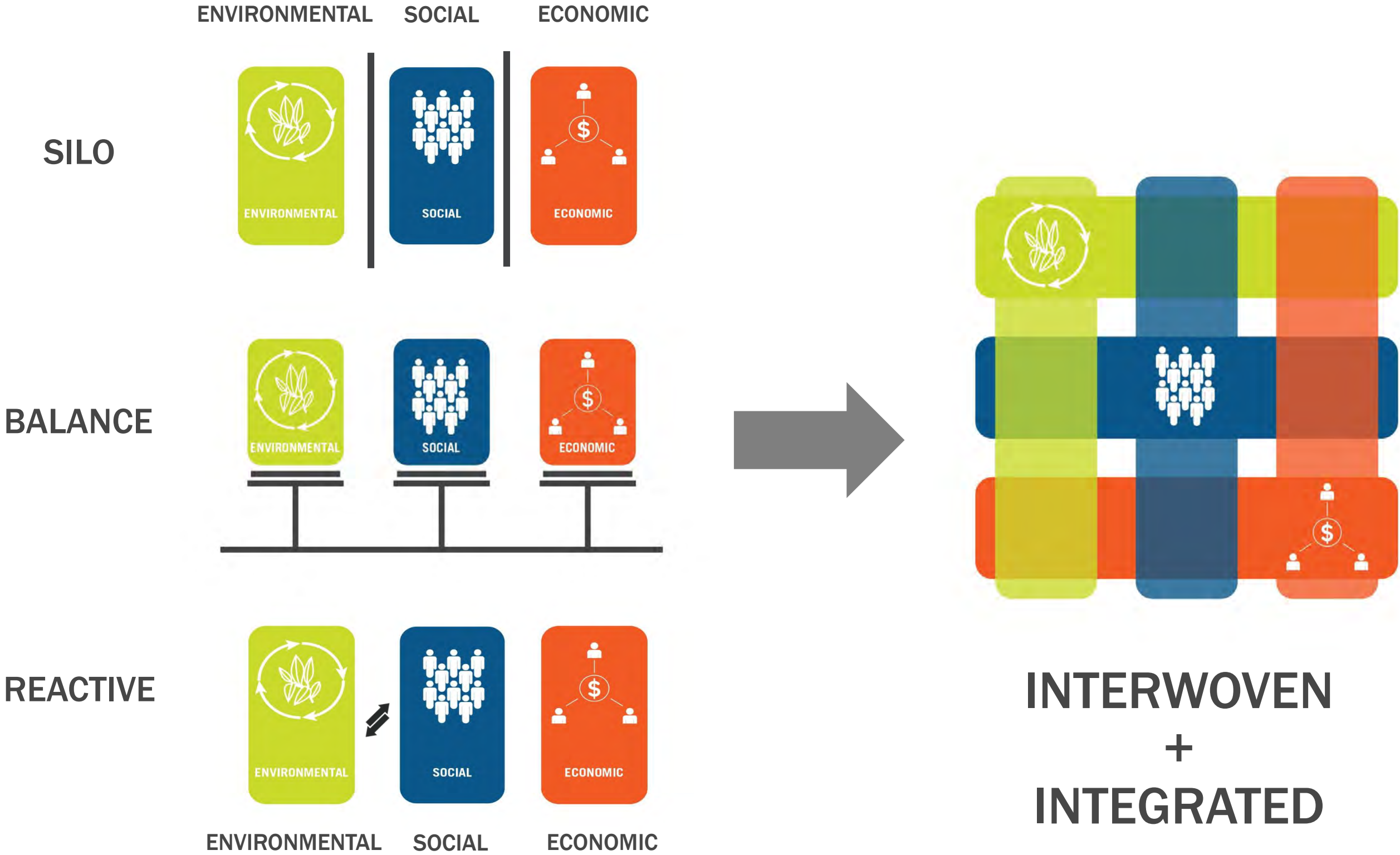
Exercises: **What makes you feel healthy?** **Is it well supported at CPP?**

- | | |
|------------------------|------------|
| • <i>walking</i> | <i>yes</i> |
| • <i>riding a bike</i> | <i>no</i> |

What prevents you from using more sustainable transportation alternatives?

- *live too far away, bus takes +2.5 hrs each way*
- *lack of regional bus service where I live*
- *limited schedule (metrolink)*
- *need to be able to respond if my children's school calls*

Sustainability – Comprehensive Approach



Sustainability – The Big Picture

How does Cal Poly Pomona Define Sustainability Success in 2018?

Where are you loosing STEAM?



Workshop #3: Analysis + Concepts

(small sampling follows)

- **Mobility: Pedestrian, Bicycle, Transit, Vehicles**
 - *getting to and from the campus*
 - *moving through/around campus – transit, pedestrians, bikes*
- **Land Uses**
 - *uses (academic core, student life, athletics, recreation, parking)*
 - *academic consolidation*
 - *planning for replacements, expansion/additions, future growth*
- **Open Space** – *open space + landscape, tree canopy, topography*

Mobility – major master planning drivers



Pedestrian

- Safety and Convenience
- Signage and Wayfinding
 - Pedestals Malls and University Park
 - Sidewalks
 - Trails



Bicycle

- Types of Bike Lanes
- More Bike Lanes
- Connections to City



Transit

- Stop Locations
- Routes and Schedule
 - Shuttles
- Light Rail Connection
- Connection to Public Transportation



Vehicular

- Congestion
- Signage and Wayfinding
 - Drop-off areas
 - Car Charging
 - Roundabouts
 - Parking

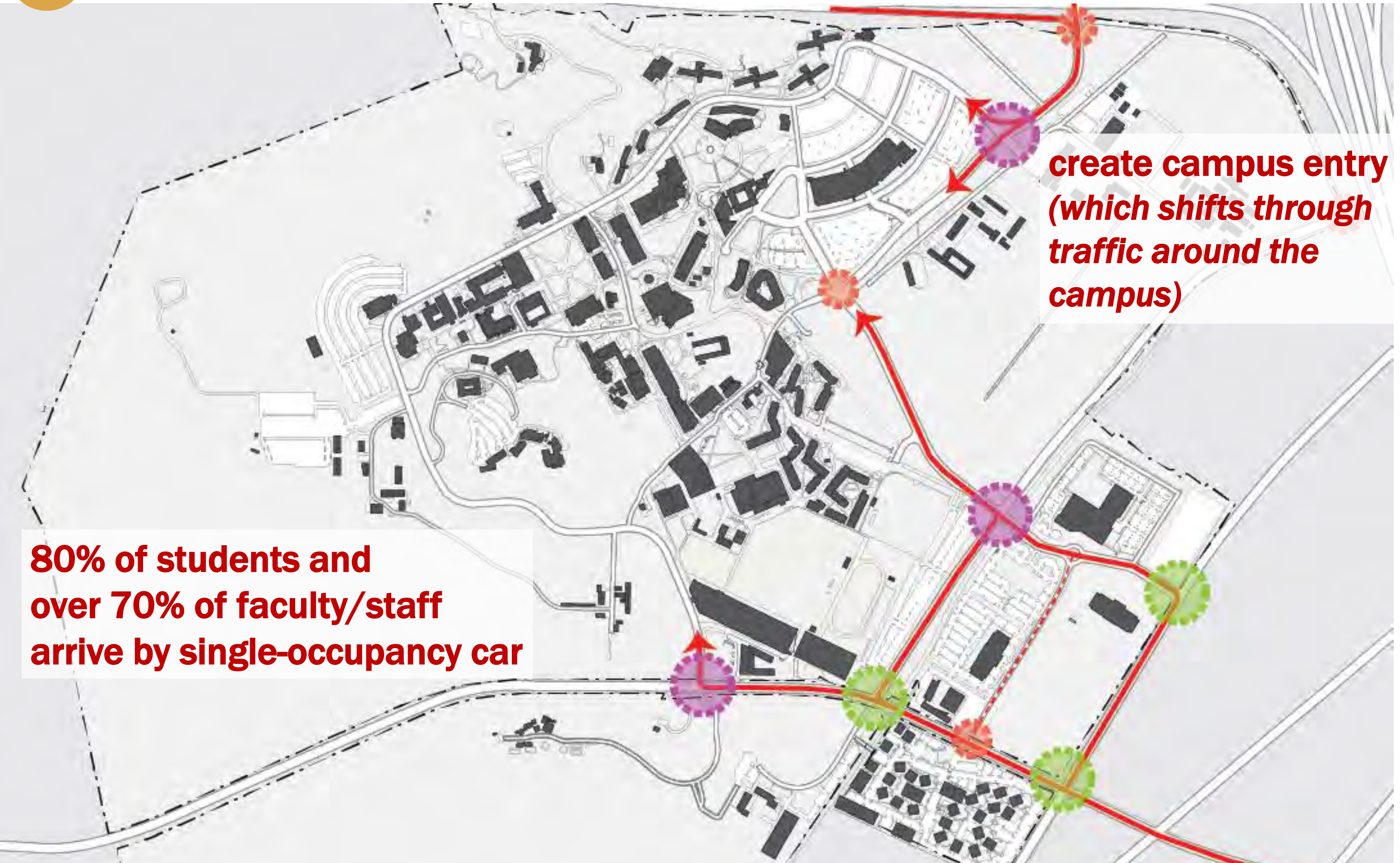


Vehicular Gateways

I-10 exit configuration?

**create campus entry
(which shifts through
traffic around the
campus)**

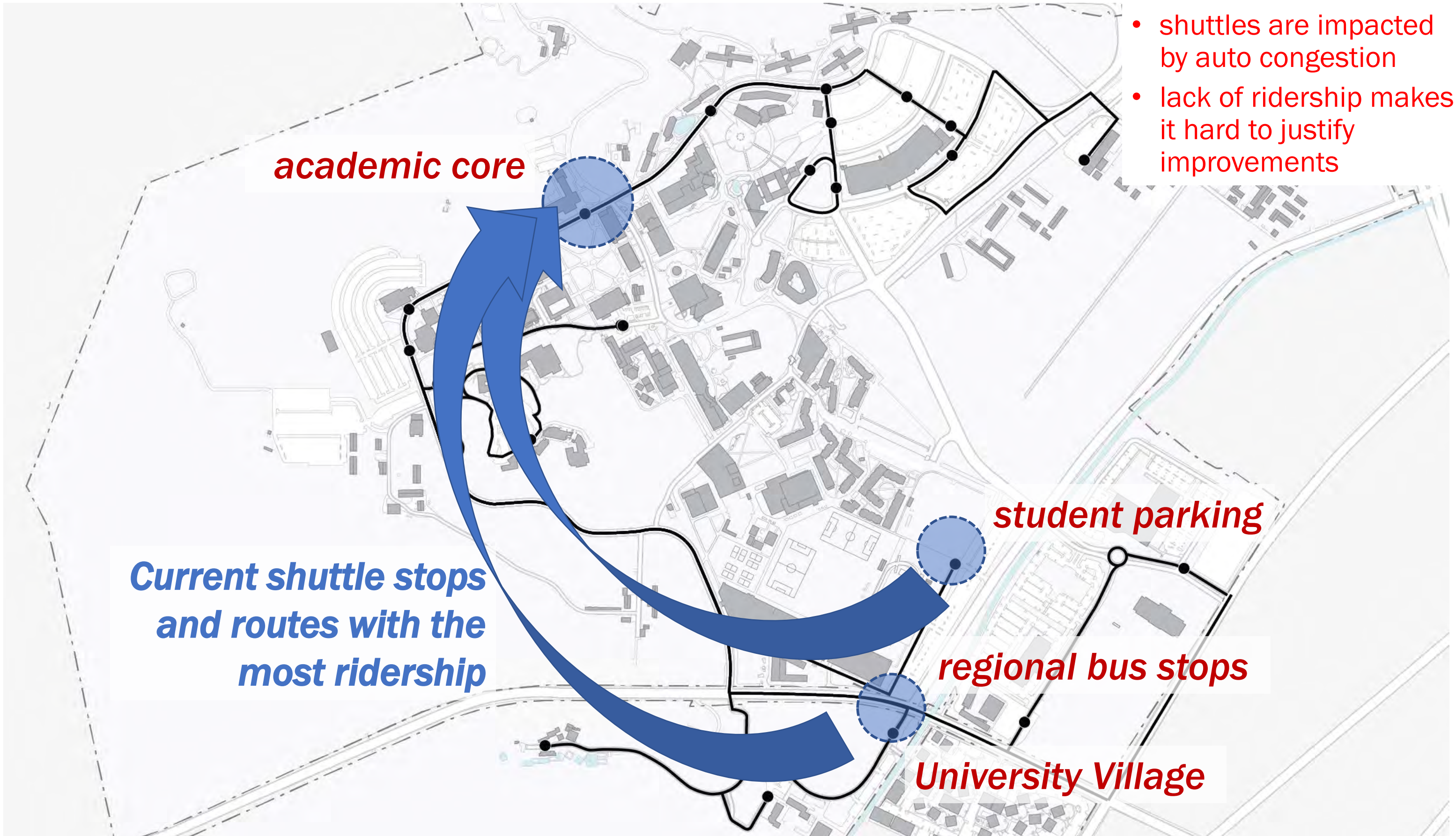
**80% of students and
over 70% of faculty/staff
arrive by single-occupancy car**



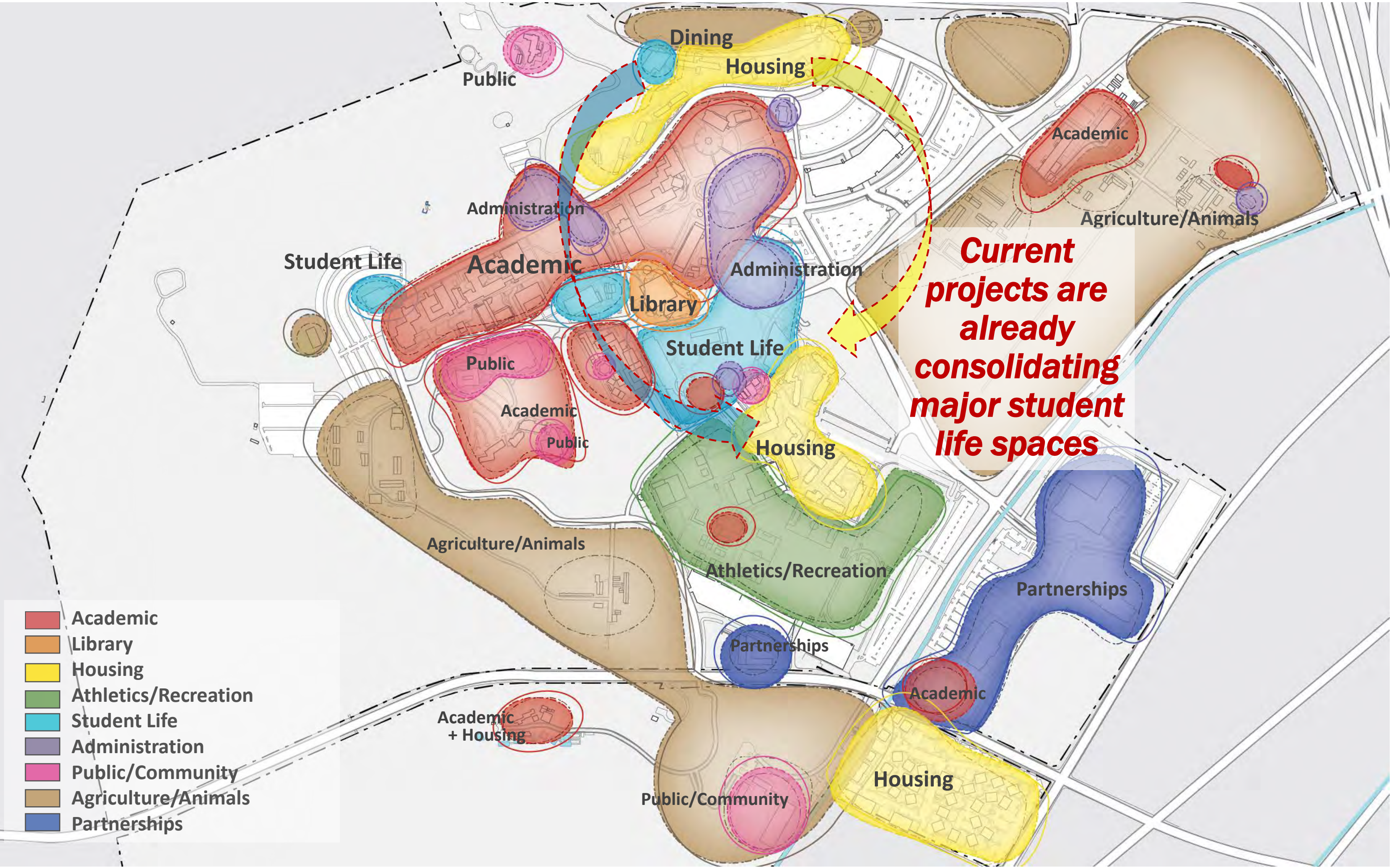


Campus Transit - All Routes

- low ridership because shuttles are too slow
- shuttles are impacted by auto congestion
- lack of ridership makes it hard to justify improvements



Program Distribution



- Academic
- Library
- Housing
- Athletics/Recreation
- Student Life
- Administration
- Public/Community
- Agriculture/Animals
- Partnerships

Current projects are already consolidating major student life spaces

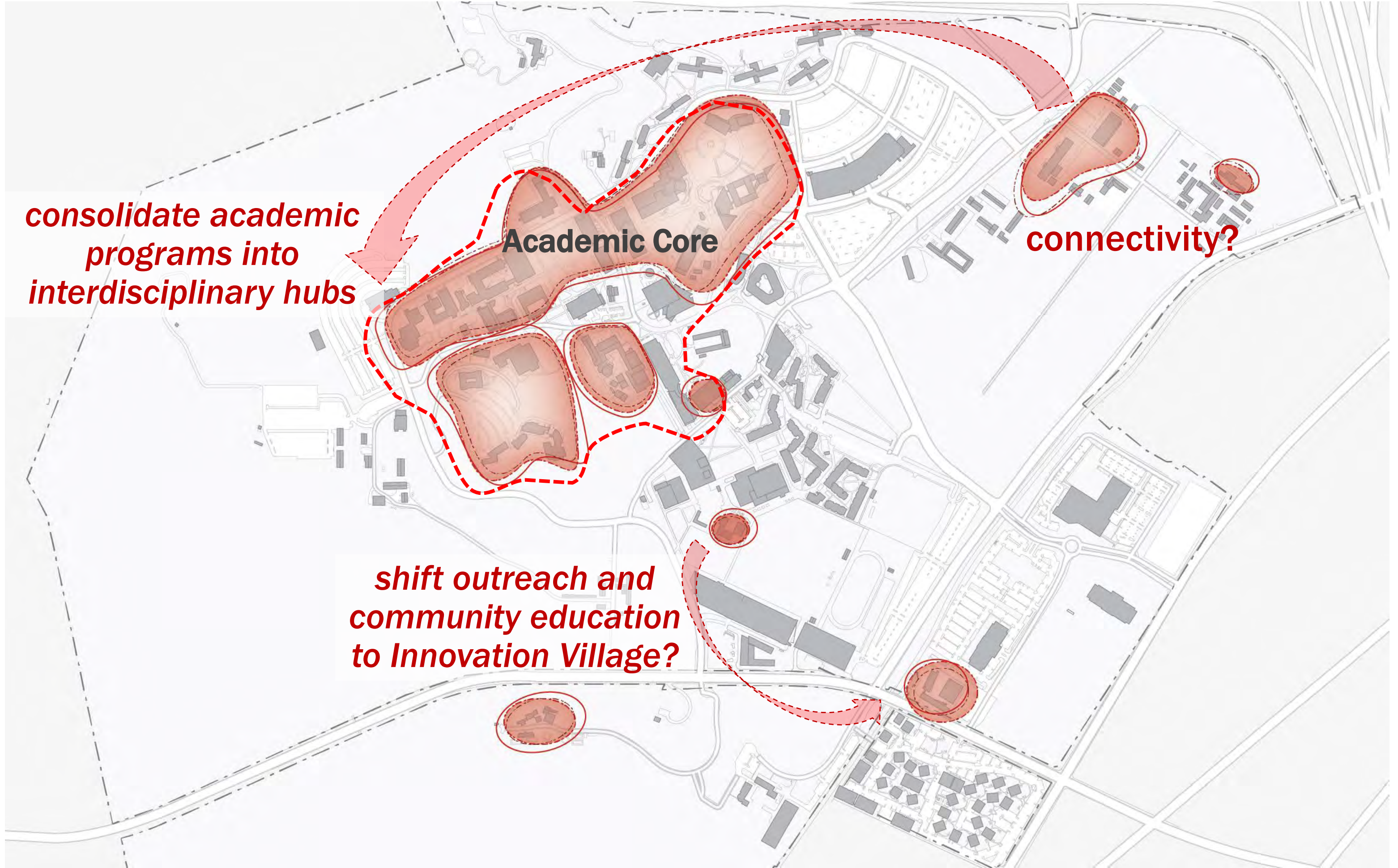
Program Distribution - Academic

consolidate academic programs into interdisciplinary hubs

Academic Core

connectivity?

shift outreach and community education to Innovation Village?



Cal Poly Pomona CAMPUS MASTER PLAN

THE STRATEGIC VISION OF THE CAMPUS DRIVES PHYSICAL DEVELOPMENT

themes

- Strategic Plan, Priorities

principles

- derived from observations of the planning team and stakeholders

strategies

- specific recommendations
- specific scenarios in master plan
- actions, projects, improvements

Increasing in Detail



1

Student Experience Above All

All decisions put the student experience at the forefront, from physical space, facilities, and accessibility (including the virtual or online environment) to Cal Poly programs and policies.

themes



2

Polytechnic Approach

The campus is a laboratory which supports teaching and learning by doing, inside and outside of the traditional educational settings.



themes

3

Connectivity is Key

Connectivity is key to orientation/wayfinding and ease of circulation for a safe, inclusive and universally accessible campus.

themes



4

Pedestrian Campus in a Commuter Reality

Campus has to be safe and accessible (by multiple modes of transportation), and walkable / bikeable for all students (whether commuting or living on or near campus) as well as for faculty, staff and visitors.

themes



5

Sustainable in All Aspects

Decisions must be sustainable environmentally, economically, socially and consistent with Cal Poly's values, commitments and goals.

themes



Five Themes

Five overlapping themes have emerged from a large cross-section of stakeholder engagement sessions and Cal Poly Pomona's Strategic and Academic Plans.

1

Student Experience Above All

All decisions put the student experience at the forefront, from physical space, facilities, and accessibility (including the virtual or online environment) to Cal Poly programs and policies.

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Polytechnic Approach

The campus is a laboratory which supports teaching and learning by doing, inside and outside of the traditional educational settings.

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Connectivity is Key

Connectivity is key to orientation/wayfinding and ease of circulation for a safe, inclusive and universally accessible campus.

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Pedestrian Campus in a Commuter Reality

Campus has to be safe, accessible and convenient (*by multiple modes of transportation*), and walkable / bikeable for all students (*whether commuting or living on or near campus*) as well as for faculty, staff and visitors.

5

Sustainable in All Aspects

Decisions must be sustainable environmentally, economically, socially and consistent with Cal Poly's values, commitments and goals.

1 Start with the Campus Places not the Buildings

Focus on the space between the buildings, and making places for a wide variety of co-curricular active uses, formal and informal learning (outdoor classrooms) and other social, cultural and recreational uses.

These are also the most memorable uses on the campus.



2 Make the Polytechnic Activity Visible.

Design facilities to be more visible and connected with campus spaces to actively engage students, faculty, visitors.

Use the ground floor to curate a series of active spaces that are visible to passer-byers.



3

Close the Loops. Make the Connections.

Support safe, intuitive and convenient connections for all modes of transportation, entering and navigating the campus

Closing the loop by making campus shuttles more effective and connecting to regional transportation.

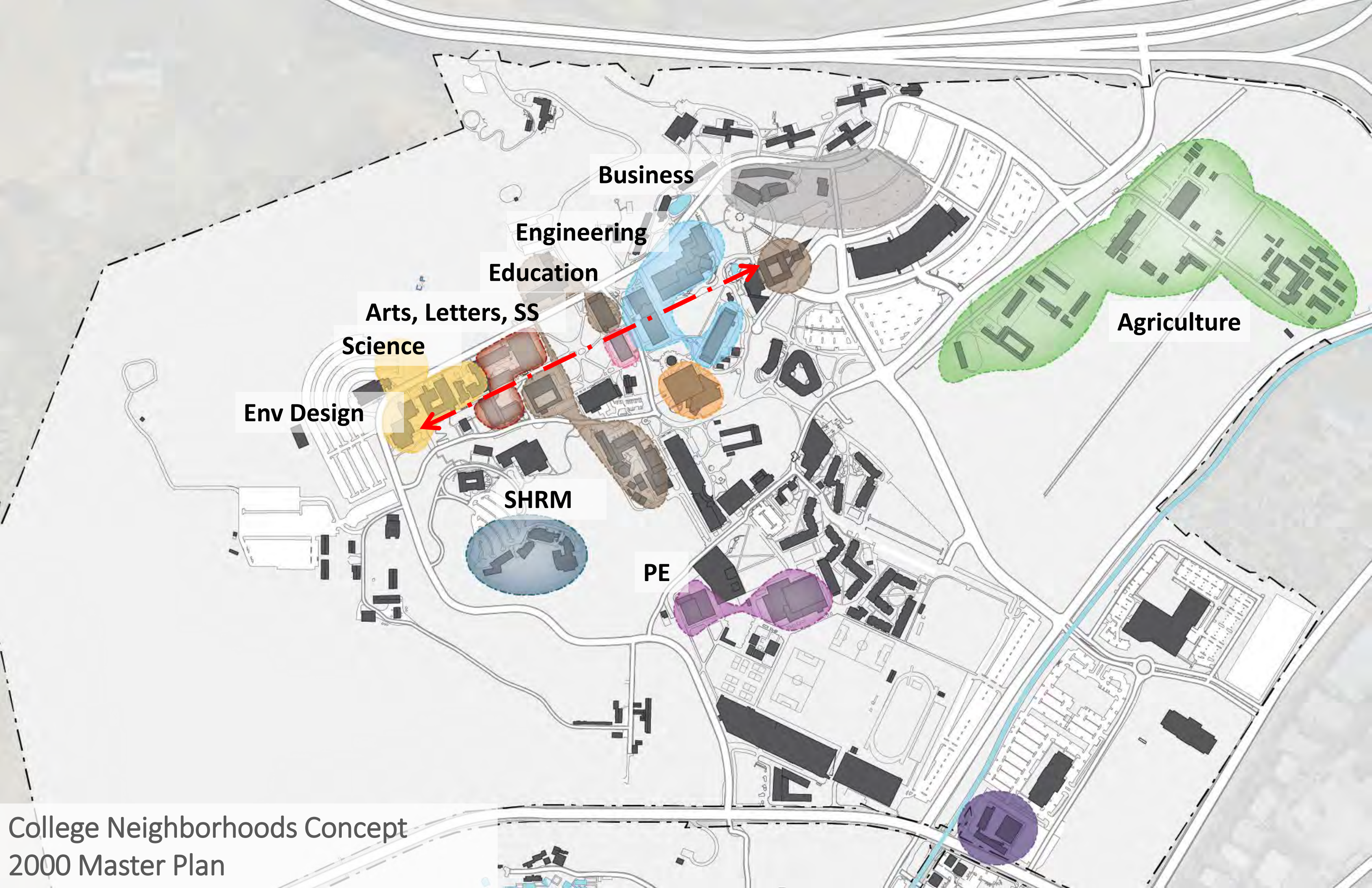


5

Transform Neighborhoods into Hubs.

With college neighborhoods as anchors, create interdisciplinary hubs and commons with opportunities for collaboration.





Business

Engineering

Education

Arts, Letters, SS

Science

Env Design

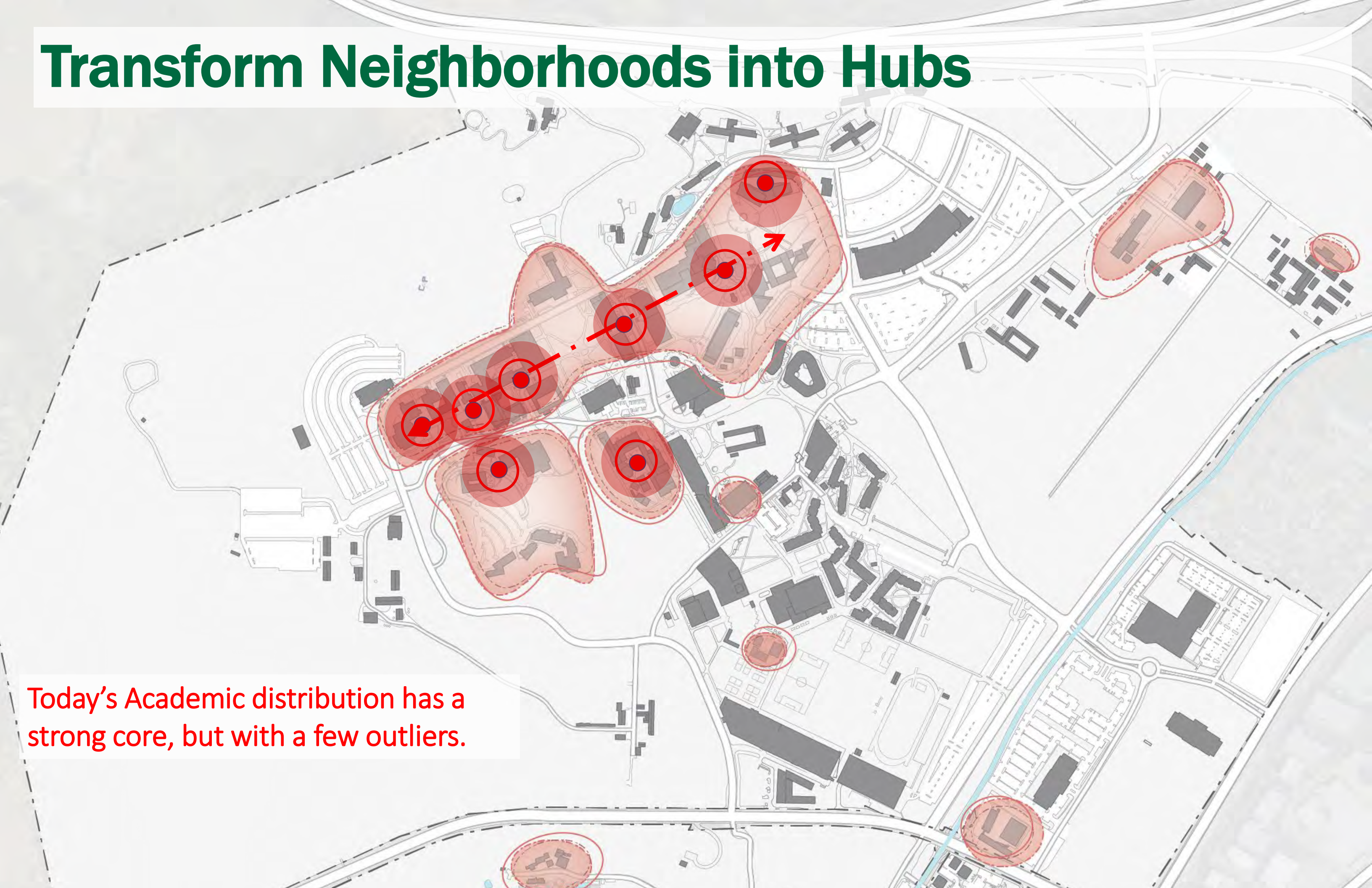
SHRM

PE

Agriculture

College Neighborhoods Concept
2000 Master Plan

Transform Neighborhoods into Hubs



Today's Academic distribution has a strong core, but with a few outliers.

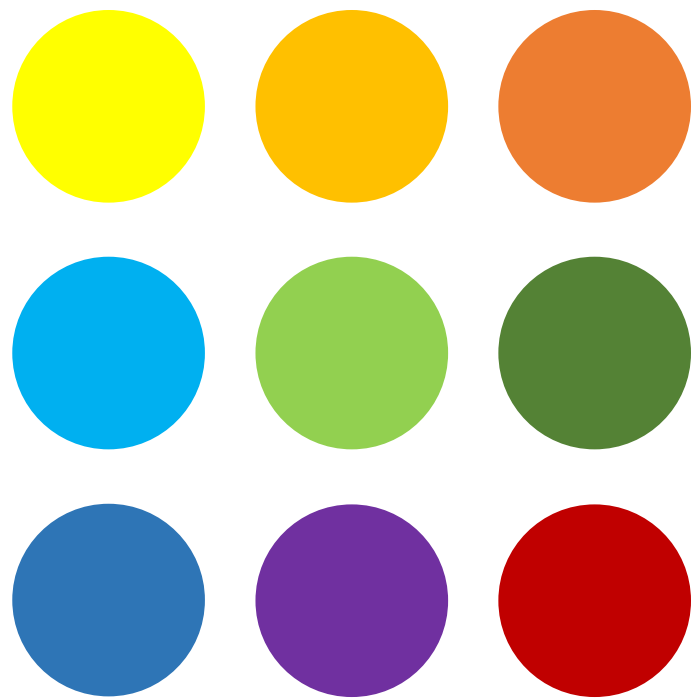


**Architecture student's
'neighborhood'**

The neighborhood concept was not fully seen through or may have been outgrown.

Many programs are dispersed across multiple buildings with no intuitive connections.

Transform Neighborhoods into Hubs.



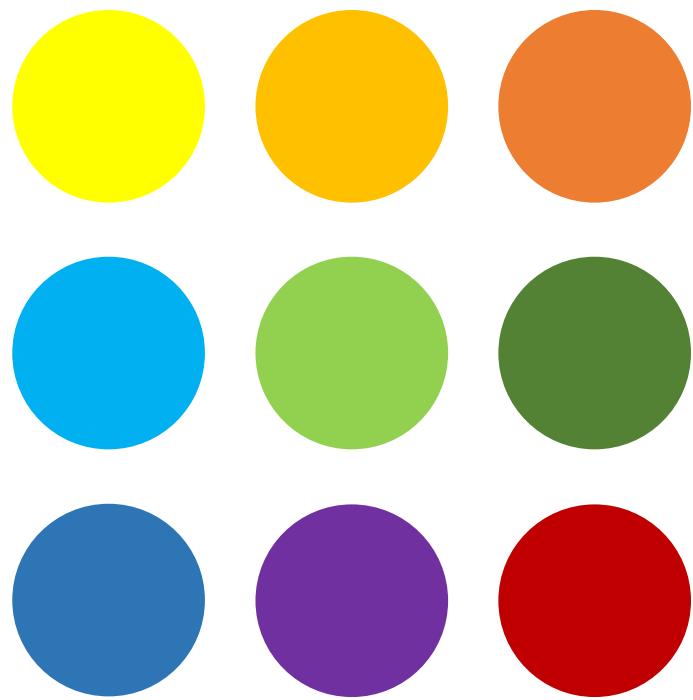
Neighborhoods

Organized by college

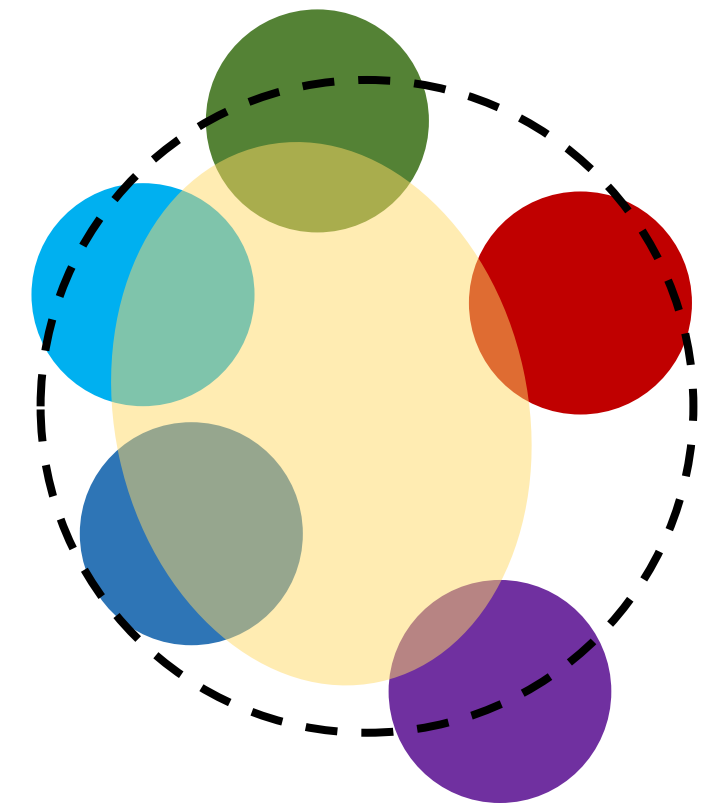
Concept: college identity w/collegial atmosphere

Reality: silos, unable to accommodate growth / change

Transform Neighborhoods into Hubs.



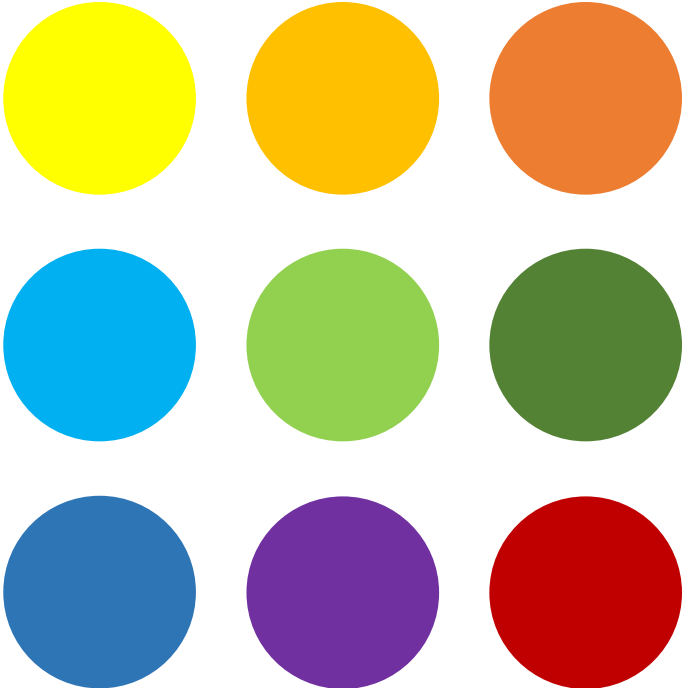
Neighborhoods



Hubs

Organized around **common** areas.
Motivated by problem solving.
Must be compact + engaging.

Transform Neighborhoods into Hubs.

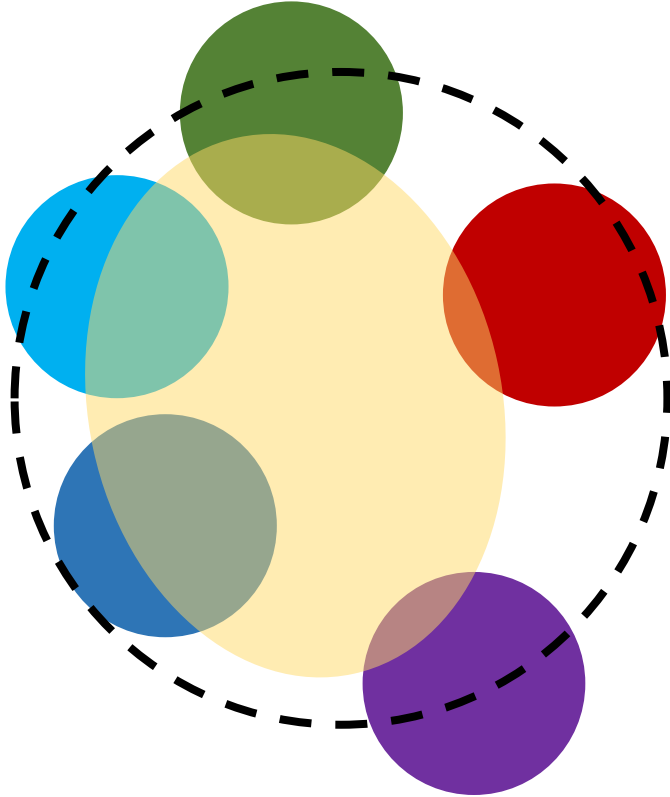


Neighborhoods



Intersections

Sponsor interdisciplinary activity
+ opportunities for collaboration



Hubs

Planning for Hubs



Strong Anchor

Colleges and departments benefit from a strong, central “home base” where students can access common services, leadership and resources.

Planning for Hubs



Non Siloed Resources

Consolidated academic resources and services for students located at various hubs across campus

- can eliminate redundancies
- larger, more flexible
- improved utilization

Planning for Hubs



“Meet me in the Middle”

Ample interdisciplinary space is the key to making this work

- Ground floor active spaces
- Small study and gathering areas (*inside and outside*)
- Large incubator/collaboration spaces
- Open flexible space



4

Shift the Center.

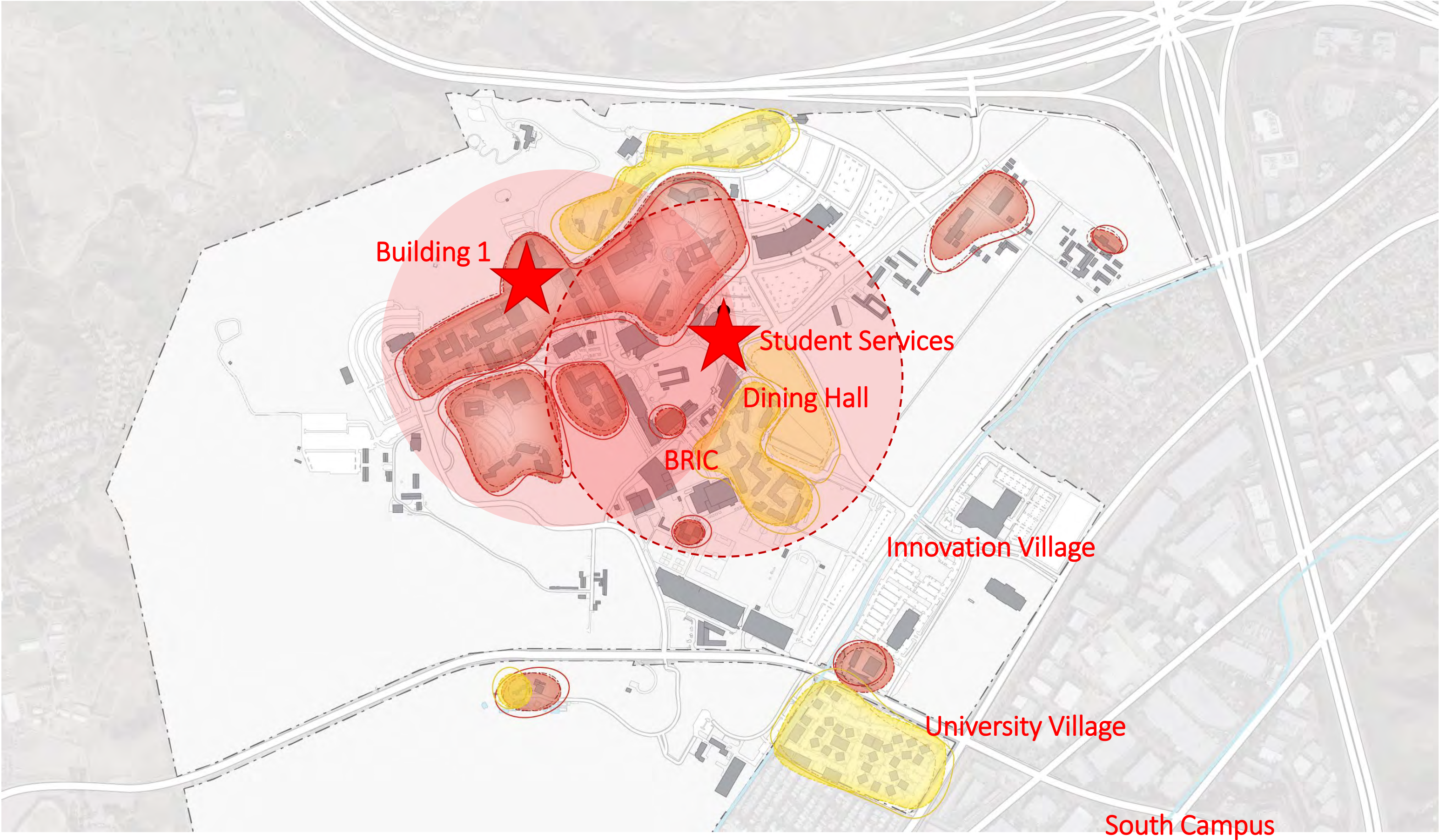
Understand that the core campus has been growing to the south, and focus organization and circulation around the new center.



Shift the Center: 2000 Campus Master Plan



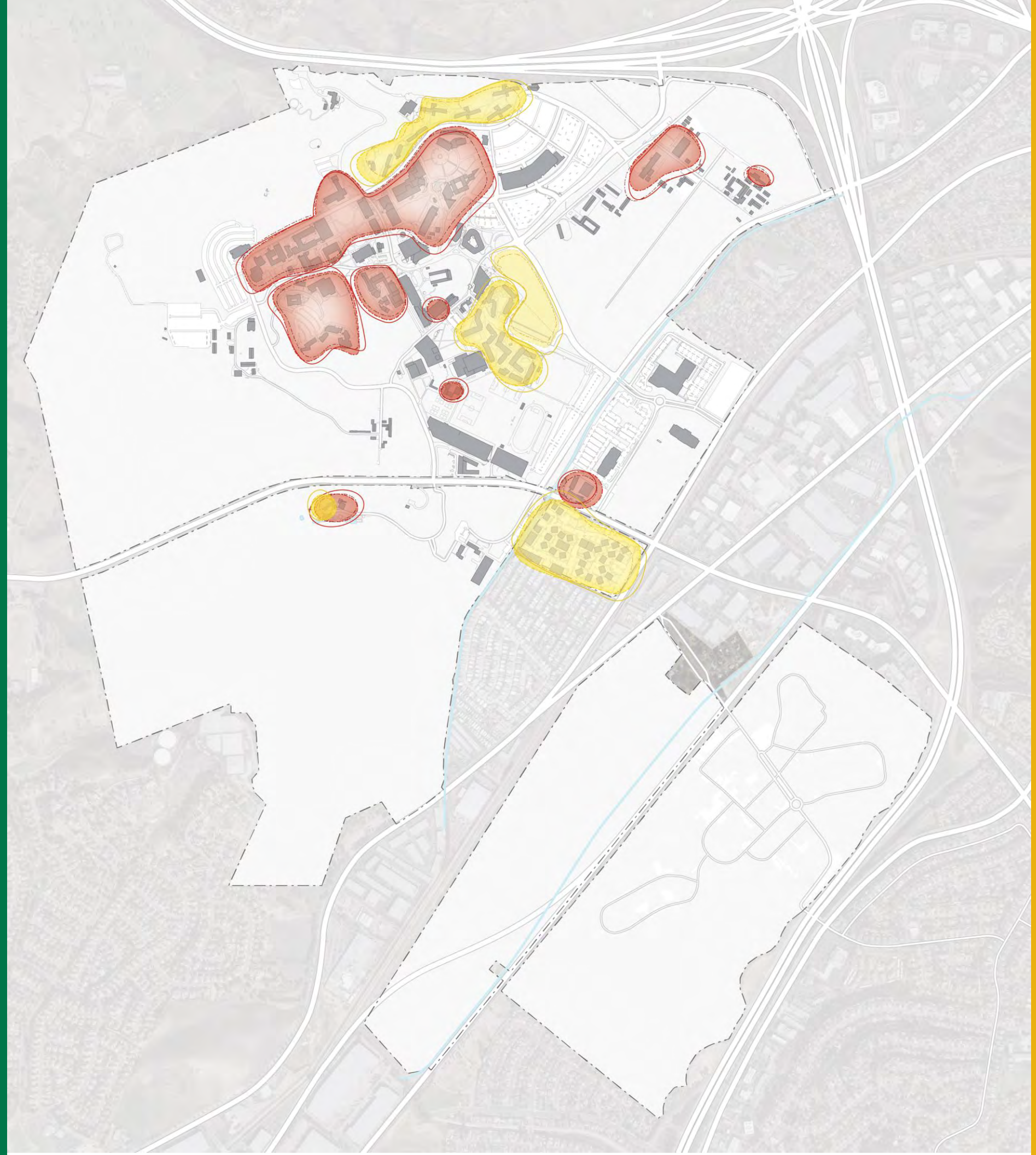
Shift the Center: In the Near Future



6

Expand the Plan.

Planning for all campus systems must include all of the campus, including South Campus, Innovation Village, University Village, Spadra farms, etc.



Planning Principles

- 1 Start with Campus Places not Buildings**
Focus on the space between the buildings, making places for active use for learning and engagement
- 2 Make the Polytechnic Activity Visible**
Line campus malls, walks, quads with visible, active ground floor spaces
- 3 Close the Loops, Make the Connections**
Support intuitive, convenient connectivity, within campus and to regional routes
- 4 Shift the Center**
Focus organization, activity and circulation around the new center of the campus
- 5 Transform Neighborhoods into Hubs**
Organize areas of focus with strong anchors + interdisciplinary hubs + commons
- 6 Expand the Plan**
Include all Campus Assets (*South Campus, Innovation Village, University Village, etc.*)

AGENDA

President's Cabinet Executive Committee

Workshop #4

- Stakeholder Meetings
 - *IT*
 - *Foundation: Bookstore, Kellogg West Conference Center*
 - *Alumni Association*
 - *Lyle Center*
- Advisory Committee Concepts Charrette
 - Three Concepts: mild, medium, spicy
 - Evaluation of Alternatives
 - Synthesis

23 April 2018

Concept Plans

Concept 01: Keep getting better (*mild*)
Extend the North-South Ped-Bikeway

Concept 02: Meet me in the middle (*medium!*)
New East-West Multi-modal Mall

Concept 03: Make a big leap (*spicy!*)
North-South Ped-Bikeway + Improved Loop

Concept 01: keep getting better

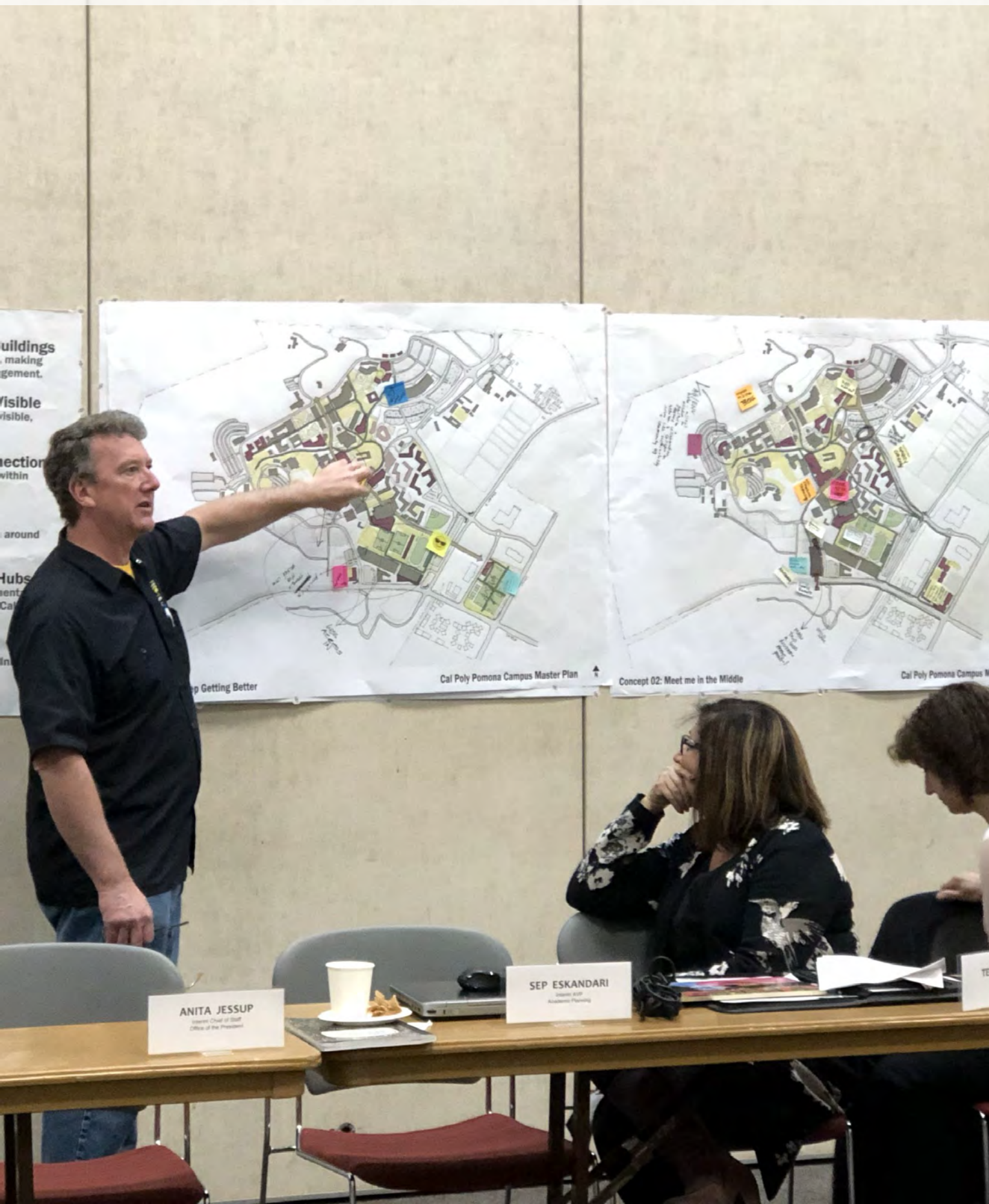


Existing Build

In-Progress Building

New/Renovated Building

Concept 01: Keep Getting Better



Pros:

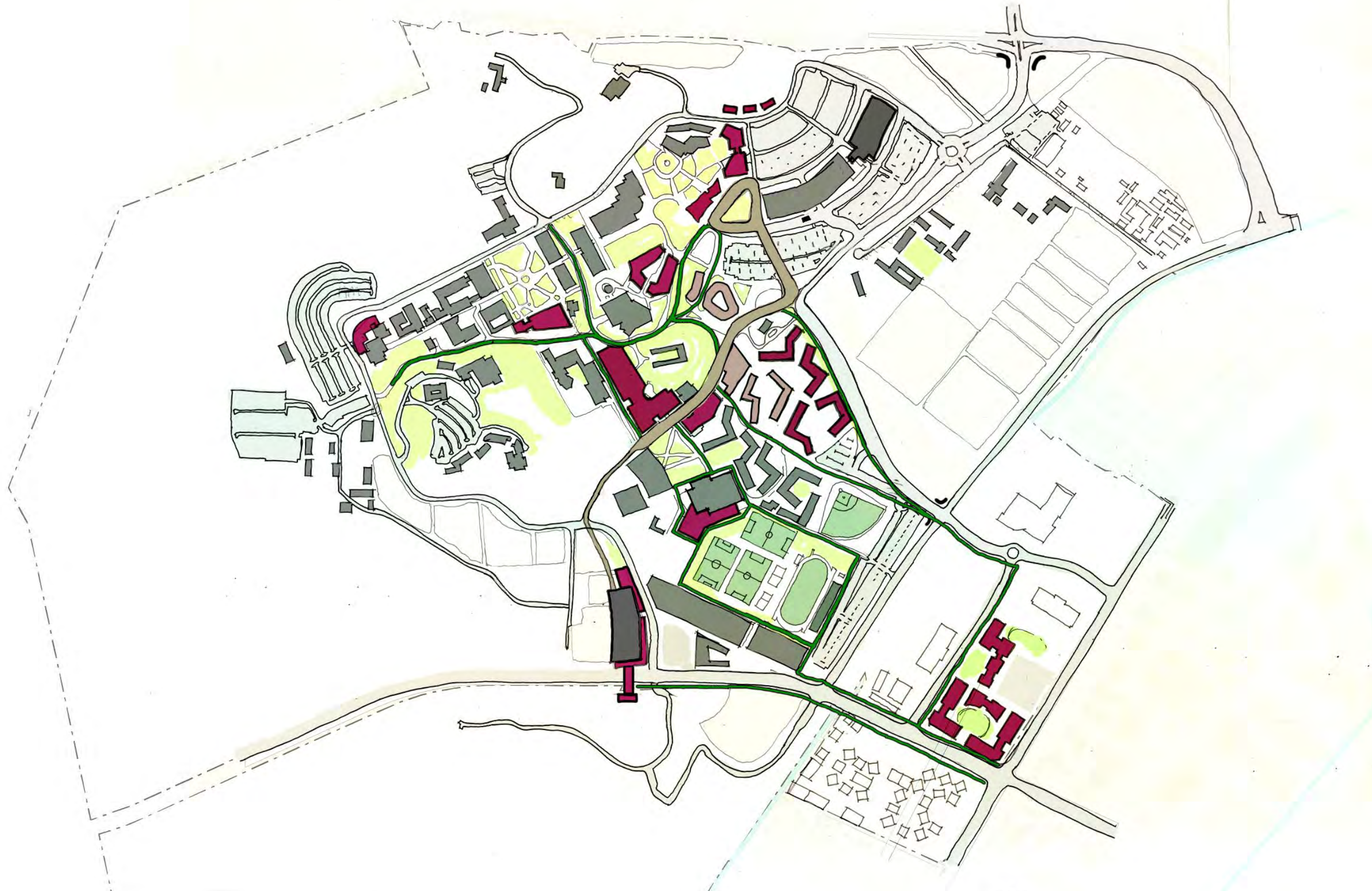
- N-S pedestrian + bike mall
- One-way campus shuttle bus loop
- Transit Connection at Temple/South Campus corner
- Parking Structure + Conference Center
 - connection to Bronco Student Center, Kellogg West
 - +800 spaces close to event venues (*Theater, Recital Hall, Kellogg Arena*) and accessed from Temple without driving through the campus
- Campus Health +Well-being Center on the central mall

Cons:

- Innovation Village recreation fields - *not the highest and best use of the undeveloped land, esp given the gateway/edge location and proximity to South Campus*
- Don't like Child Care Center at Temple and University

Overall this concept seems to be built around the existing campus infrastructure and doesn't fully resolve major issues of campus entry from the freeway.

Concept 02: meet me in the middle



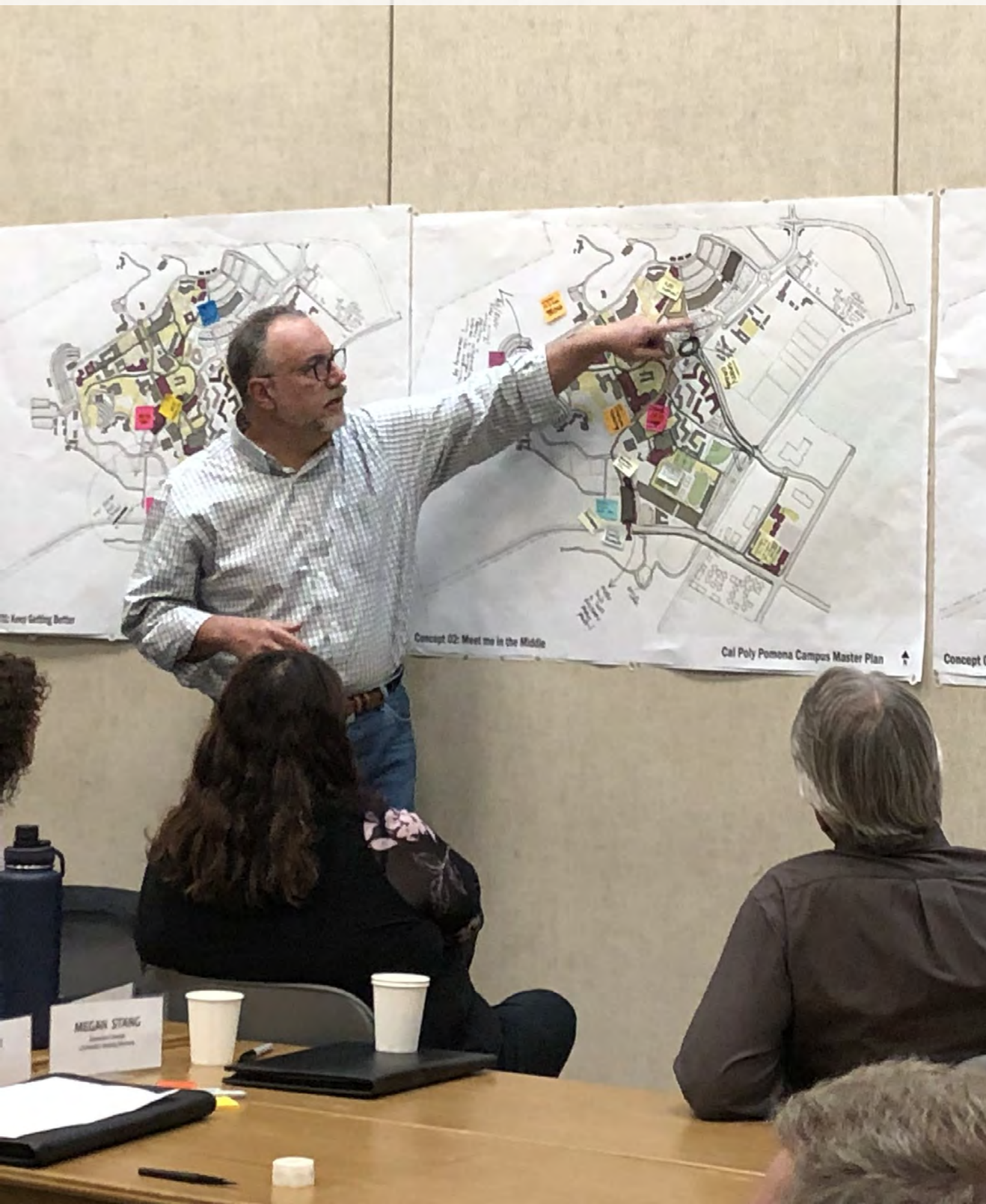
Existing Building

In-Progress Building

New Building

New

Concept 02: Meet Me in the Middle



Pros:

- E-W central pedestrian/bike/transit mall
- Campus Health +Well-being Center on the central mall
- Expanding Environmental Design building in place
- Innovation Village Mixed-use Development – *like mixed use with active street front; housing above might not make sense if South Campus will include more housing*

Cons:

- Multi-level parking + transit hub at Temple/University – *not accessible if elevator isn't working; too remote?; could conflict with I-Poly drop-off; would rather see hub on Kellogg or South Campus*
- Child Care Center – *not sure about this location*

This concept is very different from current campus organization and seemed to raise more questions and conflicting opinions about pros and cons.

Concept 03: Make a Big Leap



Existing Building

In-Progress Building

Renovated Building

New

Concept 03: Make a Big Leap



Pros:

- N-S pedestrian + bike mall (w/o transit, extend across SC Dr)
- One-way campus shuttle bus loop
- University Drive extended to South Campus Drive
- New Arena-Fieldhouse development in Innovation Village potential to be a 'Visitors/Alumni Center, street front retail/food/entertainment extends Brew Works concept to create an active 'town-gown' edge
- Campus Health + Well-being Center on the central mall (some concern about distance from the academic core)

Cons:

- Child Care Center location - parents still have to look for parking after drop-off.
- Transit hub located at Temple and S. Campus - needs a pedestrian bridge for safer access to the campus and surrounding housing, etc.

Overall this concept seems to be more forward looking, connecting to the south campus and creating a new major front-door-gateway at Valley and Temple.

Combined Concept Plan



Concept Synthesis

Collaborative academic space + CLA classroom replacement

Addition to Environmental Design Building

Expand Parking Structure w/Transit Center

Extend University Drive

New Parking Structure w/Conference Center above

Central Multi-Modal Mall

New Campus Health-Well-being building (adj to BRIC)

Transit Hub

Kellogg Arena-Fieldhouse

Mixed-Use Parking Structure w/Active Street-front Uses

Next Step:

- focus meetings with Transportation Advisory Committee
- more detailed 'area/hub' studies including:
 - BSC/Bookstore
 - CHWB
 - CLA bldg options
 - Academic Hubs: ENV DES, AG, ENG
 - Kellogg Arena, athletics, rec

Q/A + Discussion:



Next Steps

- **Space Analytics**
 - *instructional space analysis work session* w/President + Provost
 - *stakeholder mtgs w/Provost + Deans?*
- **Schedule Kick-off w/Community Partners** w/President
- **Schedule Workshop #5: HUB/Area Studies**

Focus Sessions:

Transportation Advisory Committee

Sustainability (interim advisory group?)

NOTE: finals June 4-8; graduation June 8-10; June 18 Summer classes begin; Aug 23 Fall classes begin

Thank you!

