

# STRATEGIC FACILITIES VISIONING

University of Colorado **Boulder**

Vice Chancellor for Infrastructure & Sustainability

David Kang

Infrastructure & Sustainability Strategist

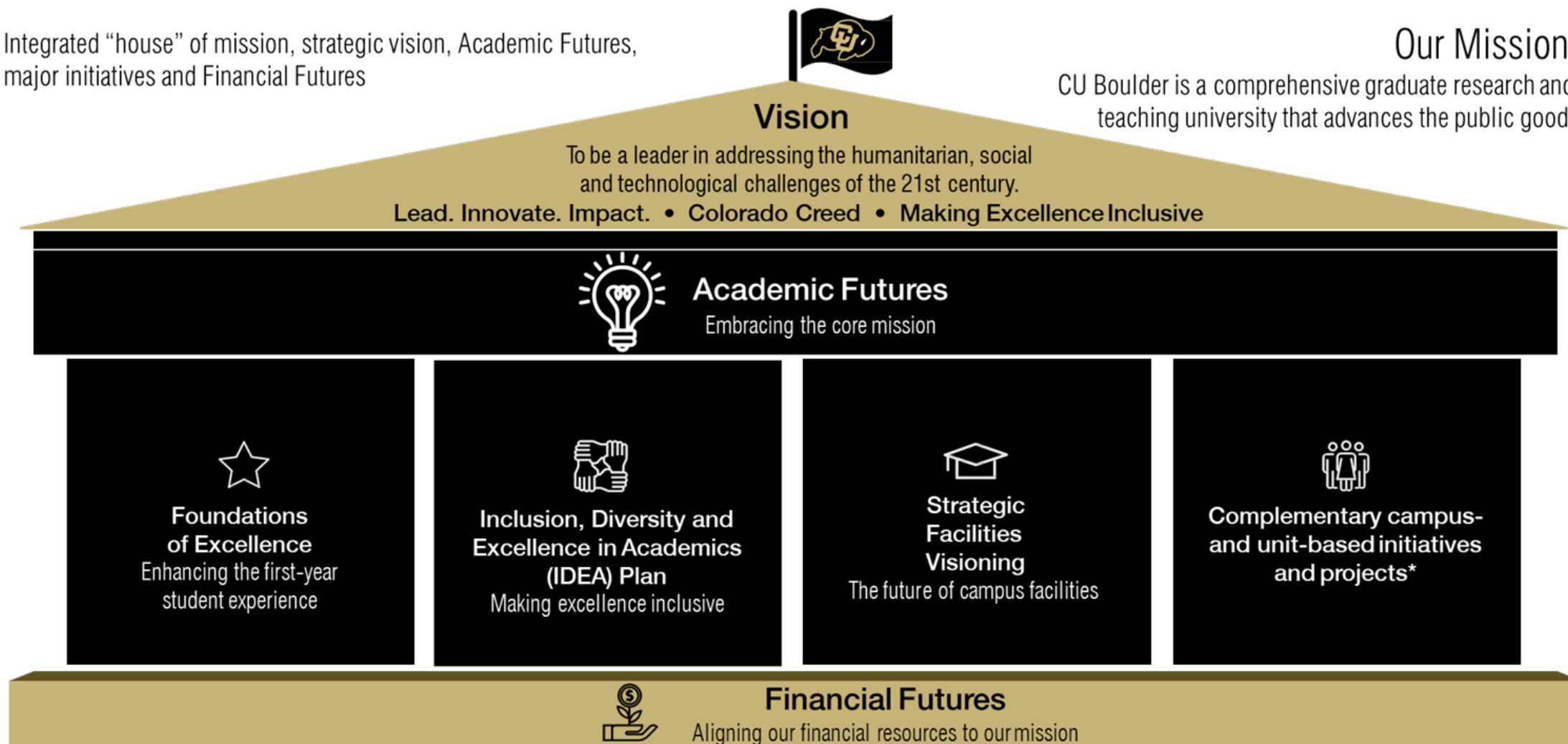
Ida Mae Isaac

March 2020

Integrated “house” of mission, strategic vision, Academic Futures, major initiatives and Financial Futures

## Our Mission:

CU Boulder is a comprehensive graduate research and teaching university that advances the public good.



\*Campus Accreditation, Academic Reorganization, Unified Student Experience, Innovation & Entrepreneurship, Sustainability, Enrollment, Transfer Students, etc.



University of Colorado **Boulder**

# STRATEGIC FACILITIES VISIONING

## Four Phase Process Overview

### PHASE ONE

#### **DEEP DIVE**

To understand the goals and mission of the university and departments

### PHASE TWO

#### **SCENARIO PLANNING**

Defining the spaces that realize the future vision of CU Boulder

### PHASE THREE

#### **TOOL DEVELOPMENT**

Creating the methodology and framework of an interactive tool

### PHASE FOUR

#### **TOOL IMPLEMENTATION**

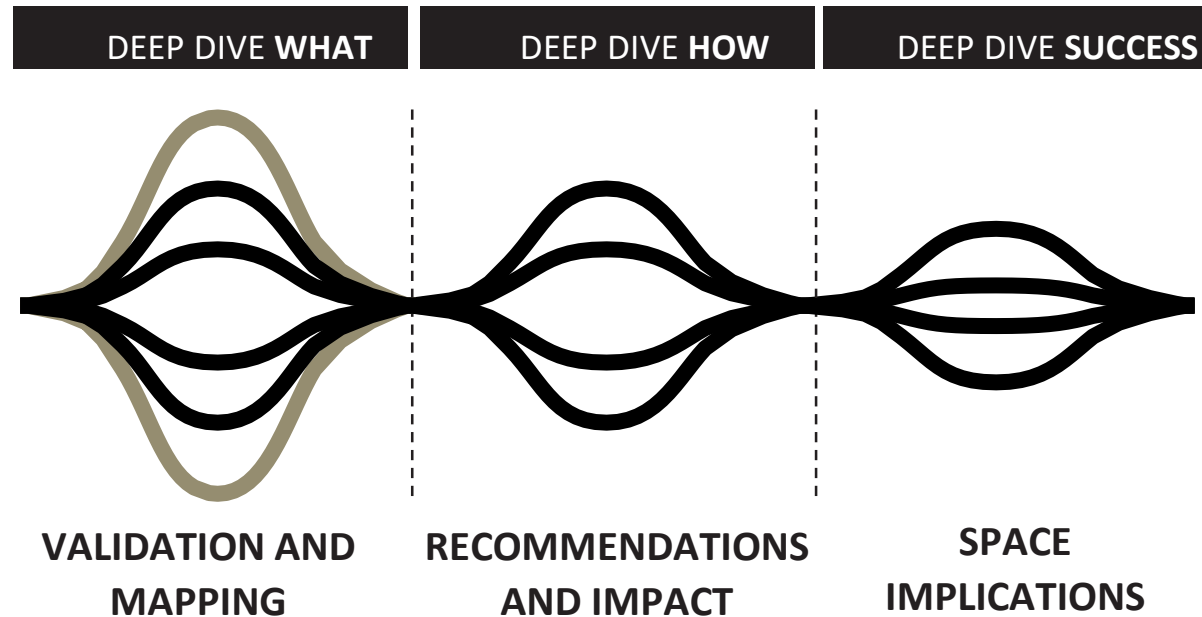
Producing a dynamic tool



# DEEP DIVE PHASE ONE

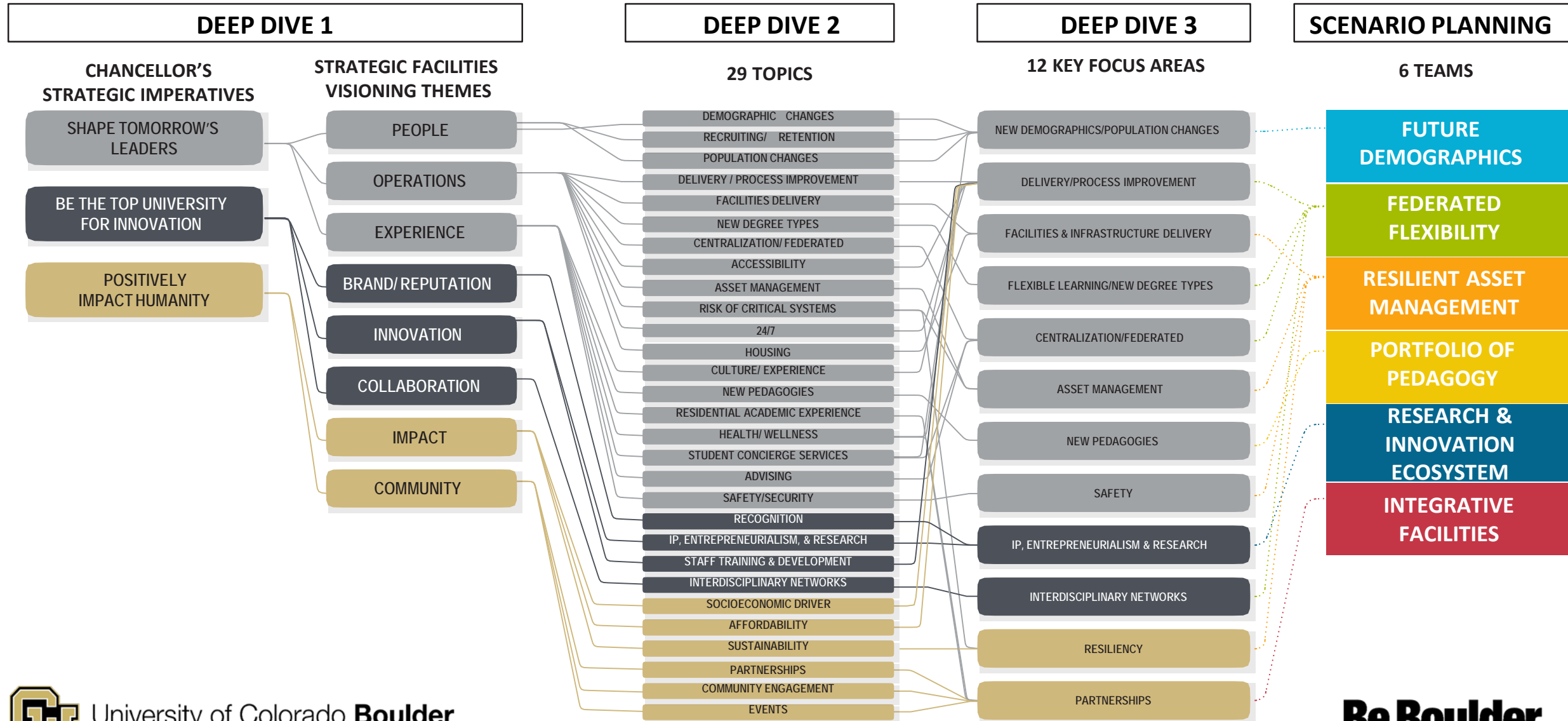
## WHO WE MET WITH

### ENGAGEMENT CADENCE



- Athletics
- College of Arts & Sciences
- College of Engineering & Applied Science
- College of Media, Communication & Info
- College of Music
- Continuing Education
- Division of Student Affairs
- Enrollment Management
- Environmental Design
- Finance & Business Strategy
- Graduate School
- Human Resources
- Integrity, Safety & Compliance
- Leeds, School of Business
- Office of Advancement
- Office of Diversity, Equity & Community Engagement
- Office of Information Technology
- Office of Infrastructure & Sustainability
- Office of Institutional Equity & Compliance
- Research & Innovation Office
- Research Institutes
- School of Education
- School of Law
- Strategic Relations & Communications
- Undergraduate Education
- University Counsel
- University Libraries

# DEEP DIVE PROCESS FLOW THEME TO TEAM GENESIS





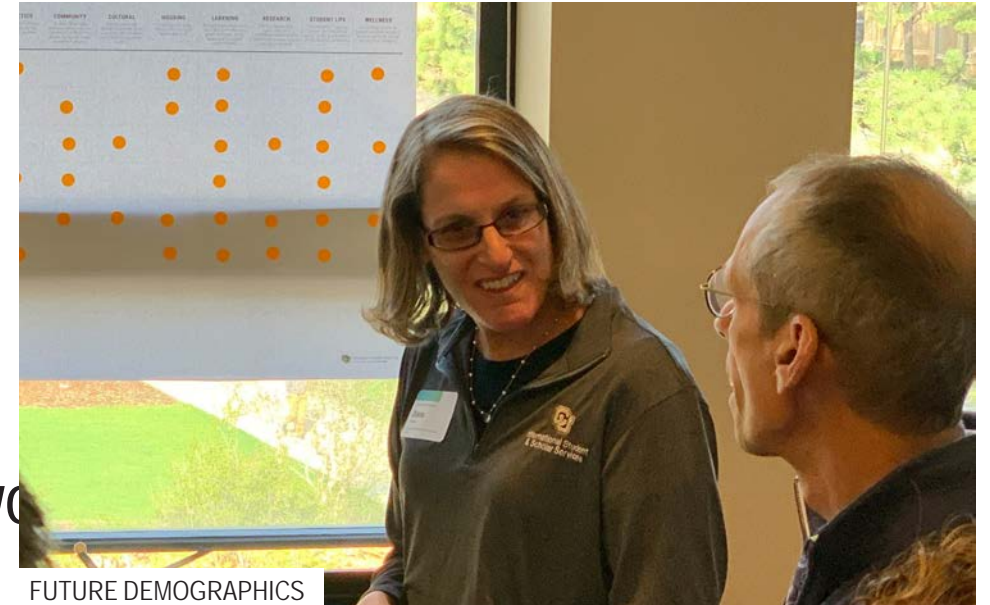
# SCENARIO PLANNING PHASE TWO



PORTFOLIO OF PEDAGOGY



INTEGRATIVE FACILITIES



FUTURE DEMOGRAPHICS



RESEARCH & INNOVATION ECOSYSTEMS



FEDERATED FLEXIBILITY



RESILIENT ASSET MANAGEMENT



# FUTURE DEMOGRAPHICS

Mission: to develop and test scenarios around different student enrollment breakdowns and their impacts on space and facilities requirements across campus.

## Key Findings:

- Open, collaborative culture
- Dedicated space to foster community
- Clustering of shared and dedicated support spaces



# PORTFOLIO OF PEDAGOGY

Mission: to develop and test scenarios that investigated the relationship between different learning modalities and their impacts on space and facilities requirements across campus.

## Key Findings:

- Relationships drive the learning experience
- Multimodal learning
- Diverse academic residential experiences
- Faculty support





# RESEARCH & INNOVATION ECOSYSTEM

Mission: to develop and test scenarios that investigate the relationship between the diversity and growth of existing and new research areas and their impacts on space and facilities requirements across campus.

## Key Findings:

- Research neighborhoods
- Colocation and shared spaces
- Core facility clusters
- Thematic clusters



# FEDERATED FLEXIBILITY

Mission: to develop and test various scenarios regarding the degree to which facilities and services can be shared.

## Key Findings:

- Distributed support services
- Optimized facilities through increased utilization
- Supporting a mobile workforce
- Accessible concierge



# INTEGRATIVE FACILITIES

Mission: to develop and test scenarios that investigated how different learning, research, service and auxiliary functions could be integrated to create various forms and themes for neighborhood development.

## Key Findings:

- Mixed use approach to development
- Connect campuses
- Community access





# RESILIENT ASSET MANAGEMENT

Mission: to identify and evaluate university buildings and systems based on a fully integrated asset management system as a driver of redevelopment strategies.

## Key Findings:

- Organizing framework for resiliency
- Mission dependency index
- Safety and preparedness
- Response timeline and communications



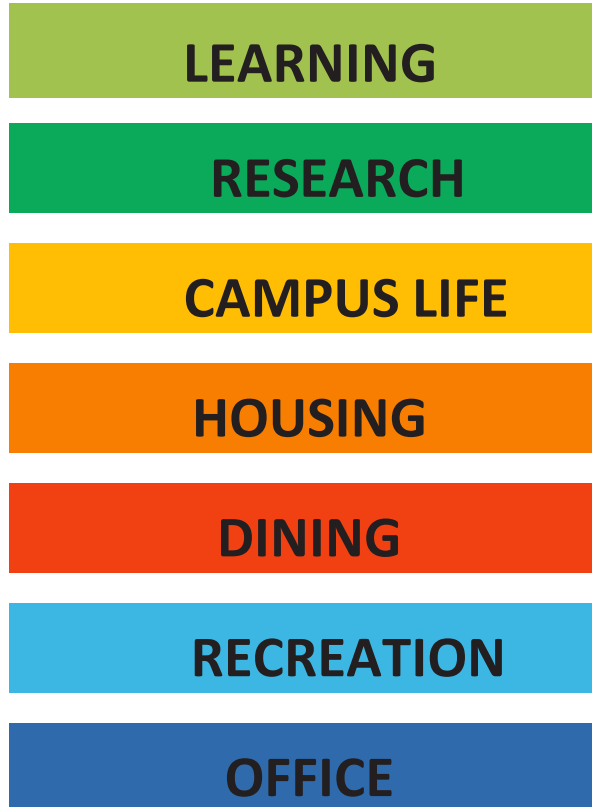
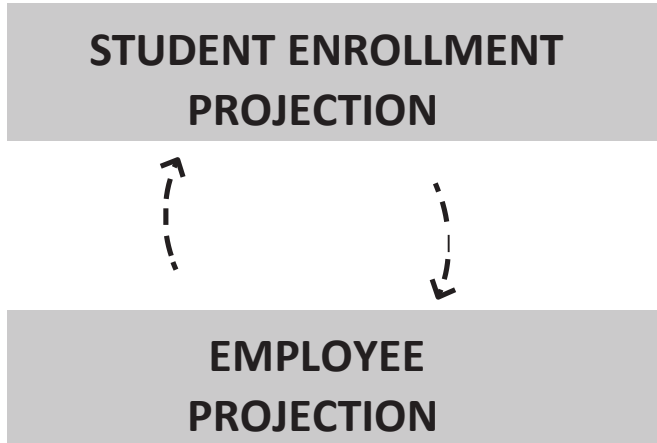


# TOOL DEVELOPMENT PHASE THREE

## PREVIEW SPACE PREDICTION APPROACH

Customized Calculation  
Methodology, Benchmarks &  
Input From Scenario Planning

Year By Year Space  
Projection



### Assignable Square Feet (ASF) by FICM Code

*The Postsecondary Education  
Facilities Inventory and  
Classification Manual (FICM), 2006  
Edition manual describes standard  
practices for initiating, conducting,  
reporting, and maintaining a  
postsecondary institutional facilities  
inventory.*

*New FICM codes have been added  
as a result of this process, and  
are in line with National Center  
for Education Statistics (NCES)  
reporting methods*

# PREVIEW ENABLES LEADERSHIP TO

**Understand**  
the true  
capacity and  
condition of  
our campus  
spaces

**Forecast space  
needs** based  
on population  
and evolving  
landscape

**Anticipate and  
respond** to  
future facilities  
requirements



# PREVIEW

VISIONING INFORMATION EXPLORER WEBAPP

A dynamic tool integrated with the university mission to inform capital planning discussions and decisions.

## PREVIEW MANUAL

Dig into PREVIEW's "how it" guide, methodologies, and calculations.

[PREVIEW MANUAL](#)

## BACKGROUND INFO

Dive into the Strategic Facilities Visioning (SFV) Initiative process and deliverables.

[PUBLIC SFV WEBSITE](#)

## SUPPLY

Understand the true capacity and the condition of our campus

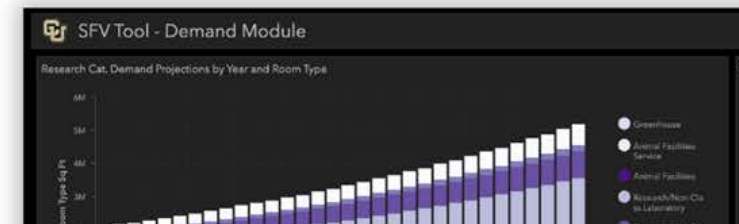
[LAUNCH SUPPLY DASHBOARD](#)



## DEMAND

Forecast facilities need based on population and scenario planning process

[LAUNCH SUPPLY DASHBOARD](#)



## OPTIONS

Anticipate and respond to a variety of future facilities requests

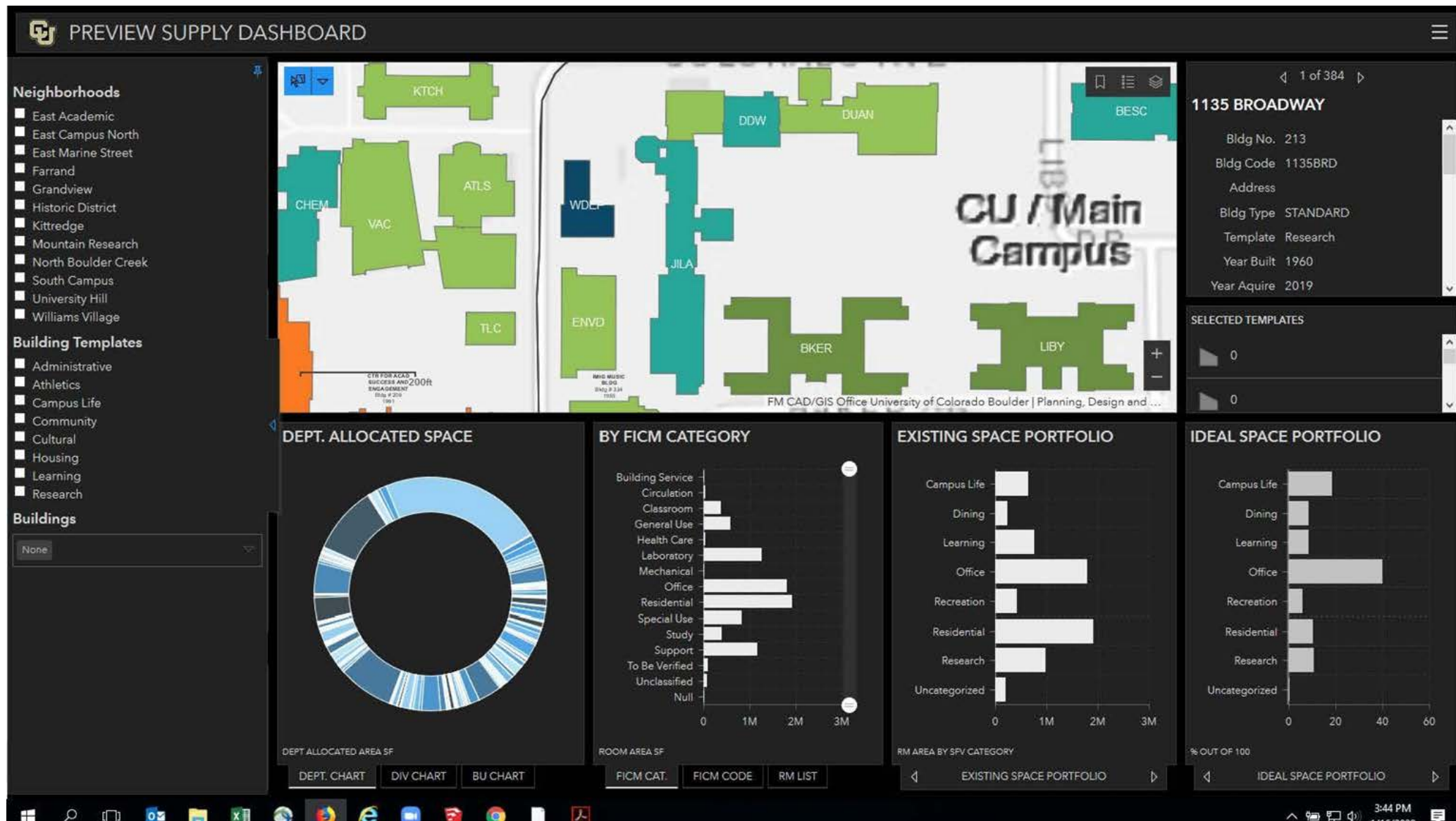
[LAUNCH TOOL](#)



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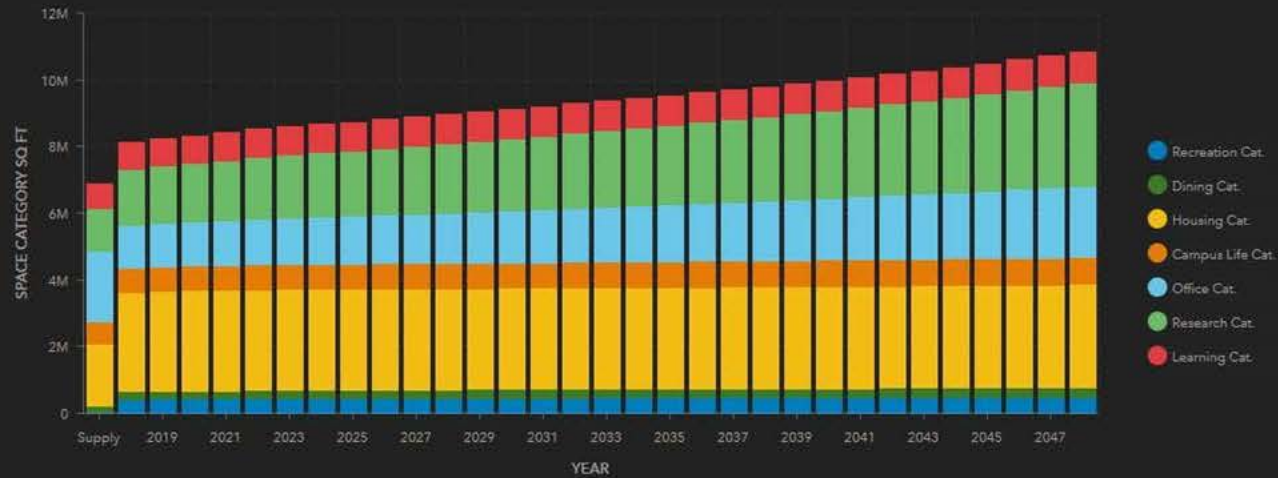
**Be Boulder.**





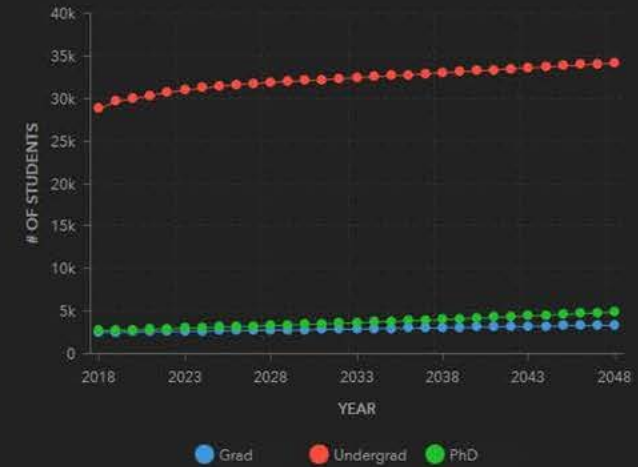


### DEMAND PROJECTIONS BY YEAR & SPACE CATEGORY



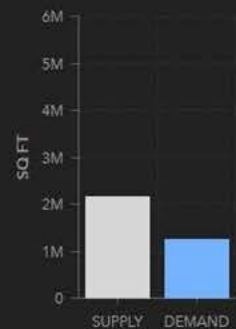
OVERALL DEMAND

### OVERALL STUDENT PROJECTIONS



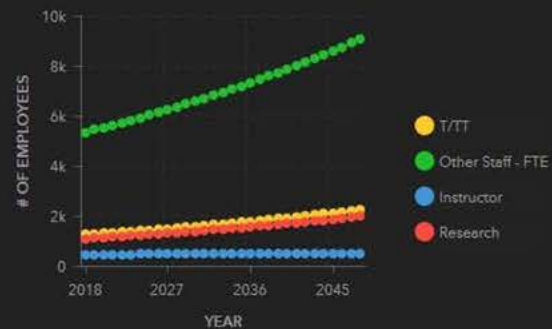
STUDENT PROJECTIONS OVERALL

### OFFICE CATEGORY



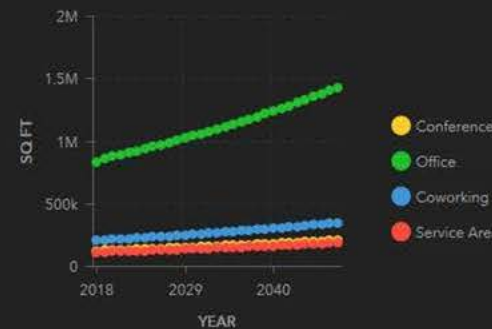
OFFICE CATEGORY

### OVERALL EMPLOYEE PROJECTIONS



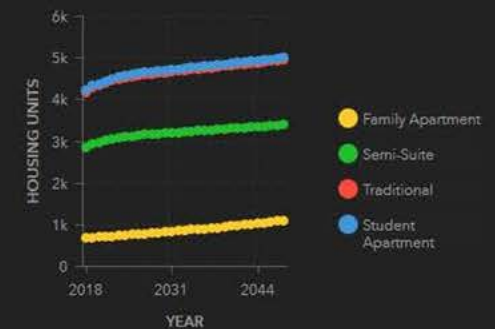
OVERALL EMPLOYEE PROJECTIONS

### OVERALL OFFICE DEMAND



OVERALL OFFICE DEMAND

### OVERALL HOUSING DEMAND



OVERALL HOUSING DEMAND

