

CALLAGHAN PRECINCT STRATEGY



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

**WE KNOW THAT
A GOOD STUDENT
EXPERIENCE ISN'T
GOOD ENOUGH.**

**OUR CAMPUS NEEDS
TO ENABLE AN
EXCELLENT STUDENT
EXPERIENCE.**

**VIBRANT
CAMPUS**

**CONNECTED
CAMPUS**

**MULTIDISCIPLINARY
CAMPUS**

**SUSTAINABLE
CAMPUS**

**EXCELLENT
STUDENT
EXPERIENCE**

**THE STEMM BUILDING IS A
GREAT STEP FORWARD IN
CREATING THE CAMPUS OF
THE FUTURE.**

**BUT THIS ONE BUILDING
CANNOT DO IT ALL.**

**THE FOCUS ACROSS THE
CALLAGHAN CAMPUS
NEEDS TO SHIFT FROM
DISCIPLINARY BASED
SPACES TO ACTIVITY
BASED SPACES.**



WHAT DOES THE SHIFT FROM DISCIPLINARY BASED SPACES TO **ACTIVITY BASED** SPACES LOOK LIKE?

RESEARCH

Specific research infrastructure and support spaces.

For example, laboratories, workshops, and core platform technologies.

GENERAL TEACHING

Multidisciplinary and multifunctional general teaching facilities.

For example, lecture, seminar and PC labs.

SPECIALISED TEACHING

Teaching facilities to support specialised needs.

For example, laboratories, workshops and studios.

WORKSPACE

Contemporary office space for academic, professional staff and HDR students, including desk based research.

SOCIAL & AMENITY

Campus experience spaces for informal learning, recreation, ceremonial and engagement, library services and retail.

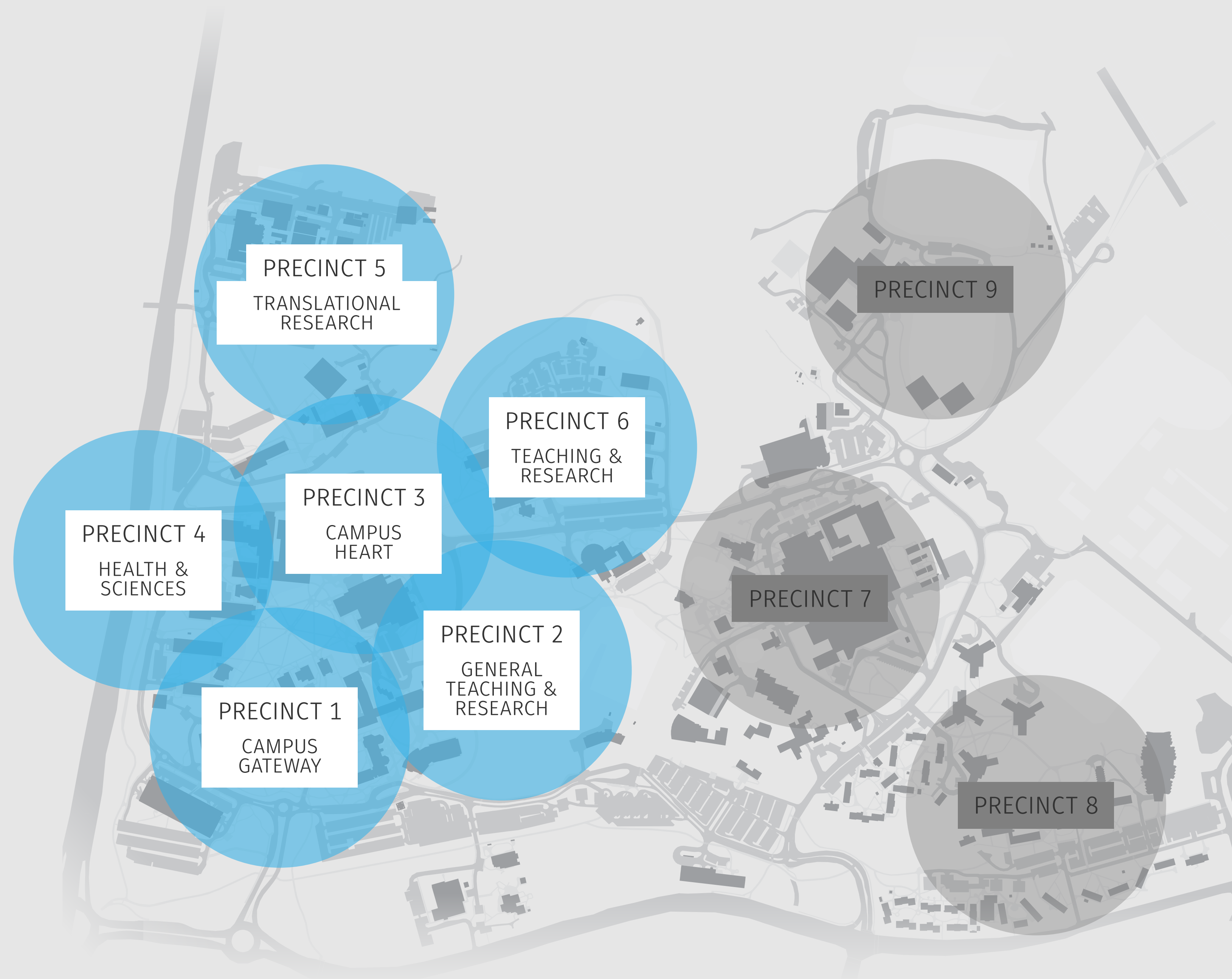
We are going to create distinct precincts within the campus with specific functions and activities.

Today the focus is the precincts on the [Shortland](#) side of campus. (1-6)

The precincts will be individually designed with an overarching view to enhance the overall student experience, and to better support the way we need to work.

Each precinct will be part of a balanced ecosystem which enables:

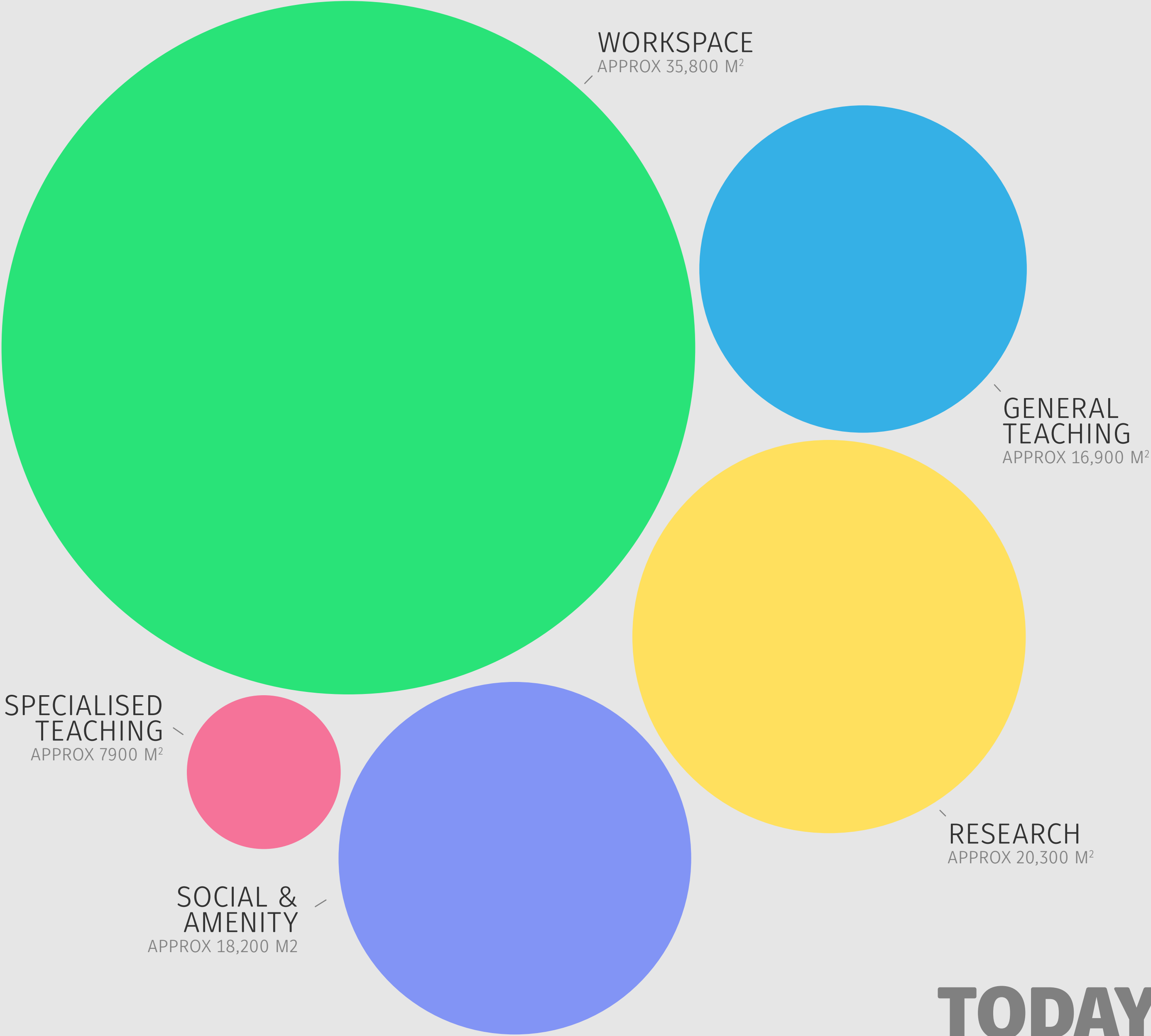
- Multidisciplinary practice.
- A vibrant student experience.
- Centralised and navigable campus.
- Fit for purpose facilities.



This is only illustrative of the general area of the precincts.

CALLAGHAN PRECINCT VISION

In order to meet our vision
and growth projections, we
don't need **more** space.

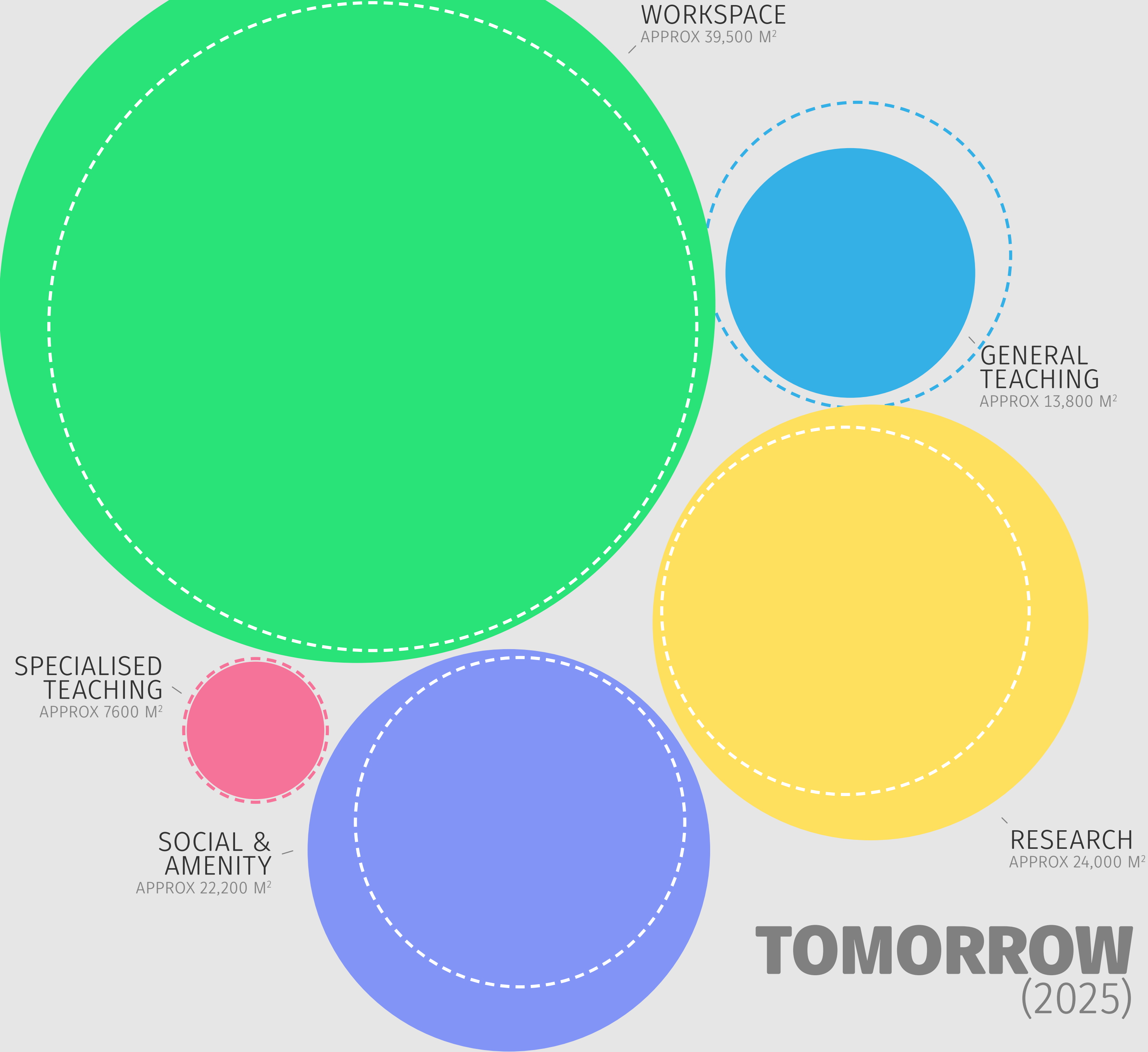


Today's areas

TODAY

CALLAGHAN PRECINCT VISION

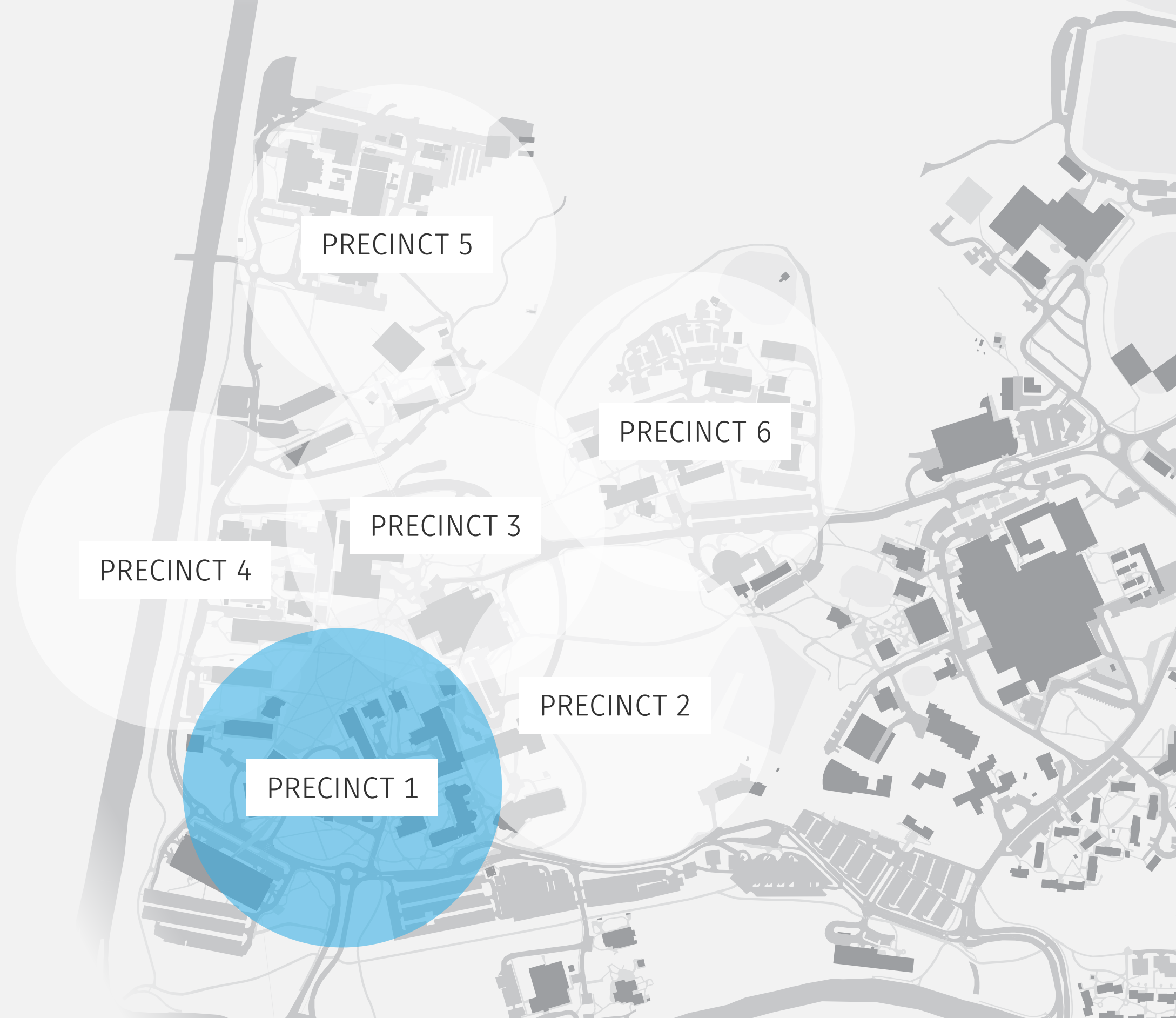
We need a precinct strategy that delivers the **right mix of more effective** spaces.



 Today's areas  Proposed areas by 2025

TOMORROW
(2025)

PRECINCT 1 **CAMPUS GATEWAY**

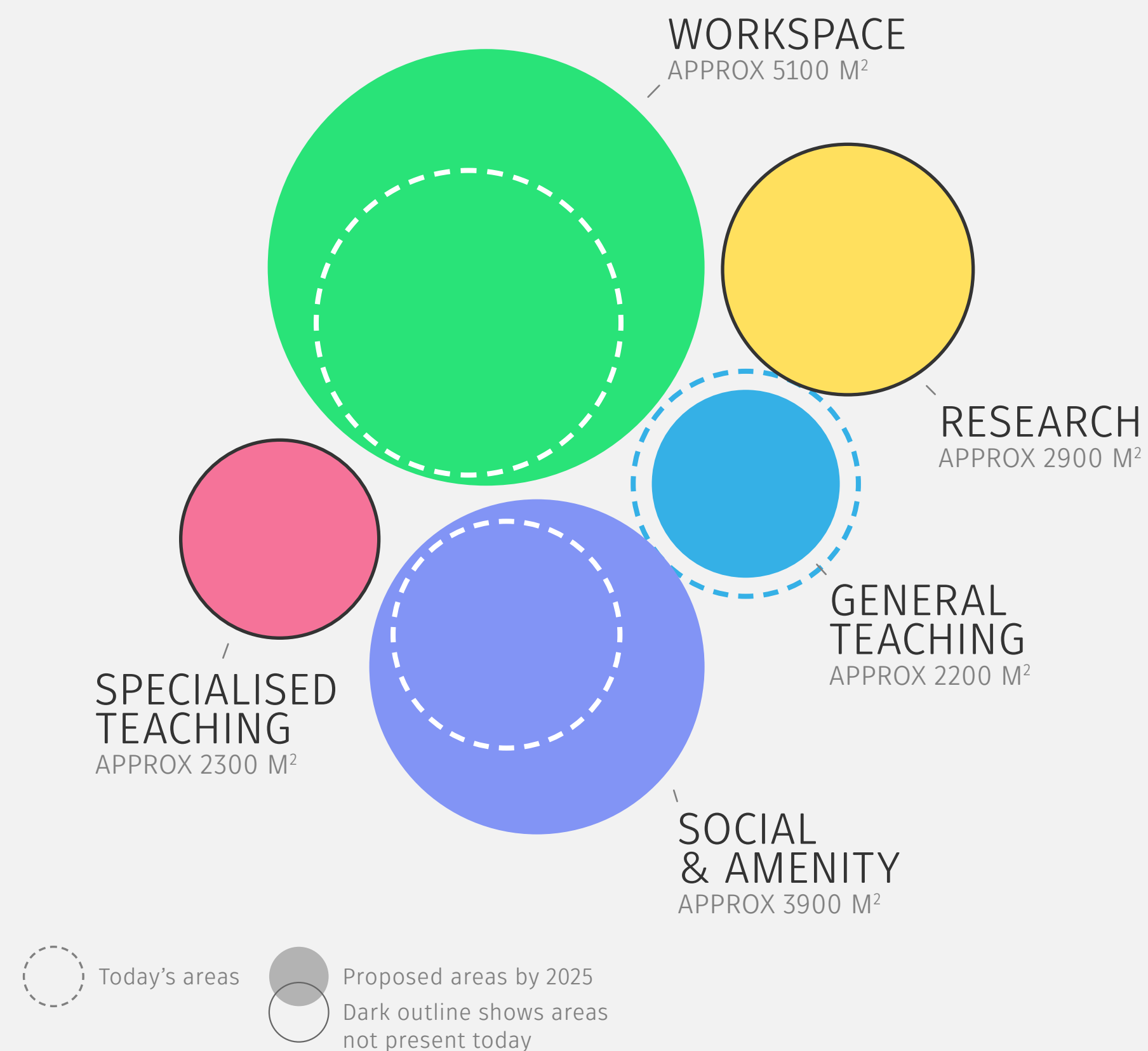


COLLABORATION & ENGAGEMENT HUB

The gateway to the Callaghan campus, this area is designed to welcome industry and community in. It will be a consistent hive of activity tailored towards student engagement and collaborative research.



PRECINCT 1 CAMPUS GATEWAY



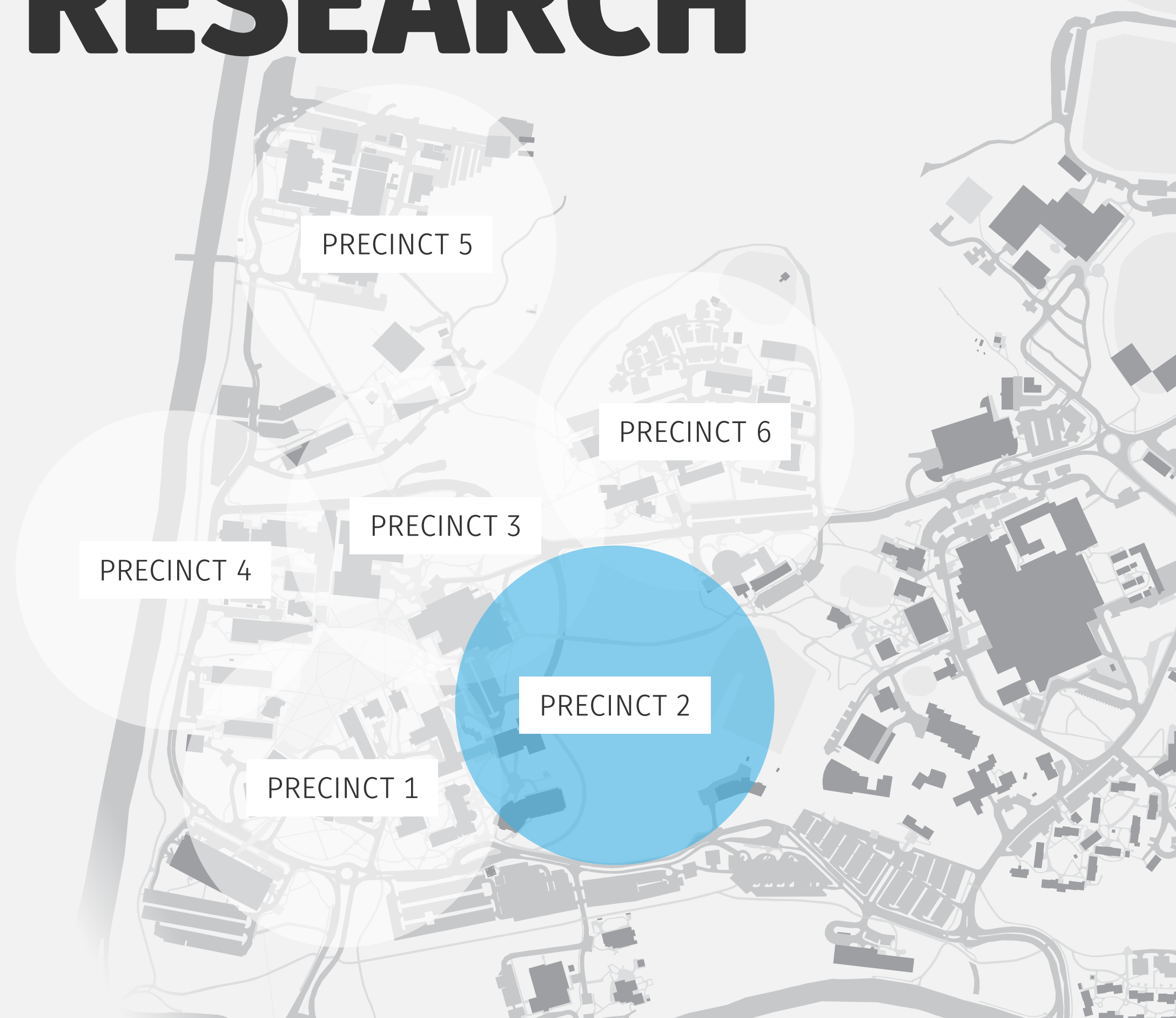
TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 1 (2025)

- The face and front door of the university.
- Civic and ceremonial events.
- Public and community access.
- + Modern, busy, vibrant.
- + Collision of minds.
- + Cutting edge technologies.
- ↑ Social learning spaces.
- ↑ Expansion of engagement spaces.
- ↑ Specialist teaching.
- ↑ Large flat floor general teaching.

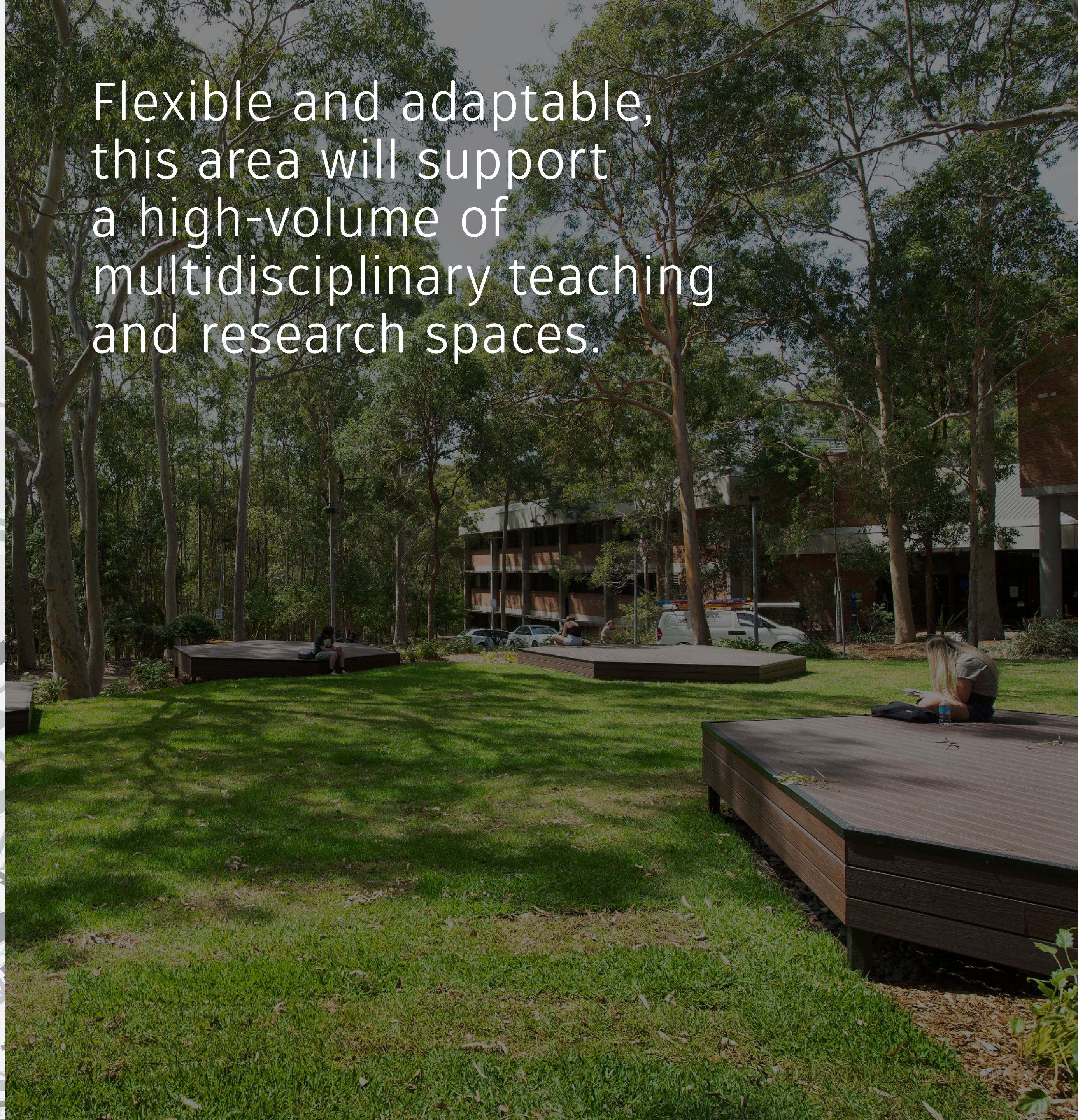
PRIORITY PROJECTS

- New STEMM facility
- Refurb ICT

PRECINCT 2 **GENERAL TEACHING & RESEARCH**

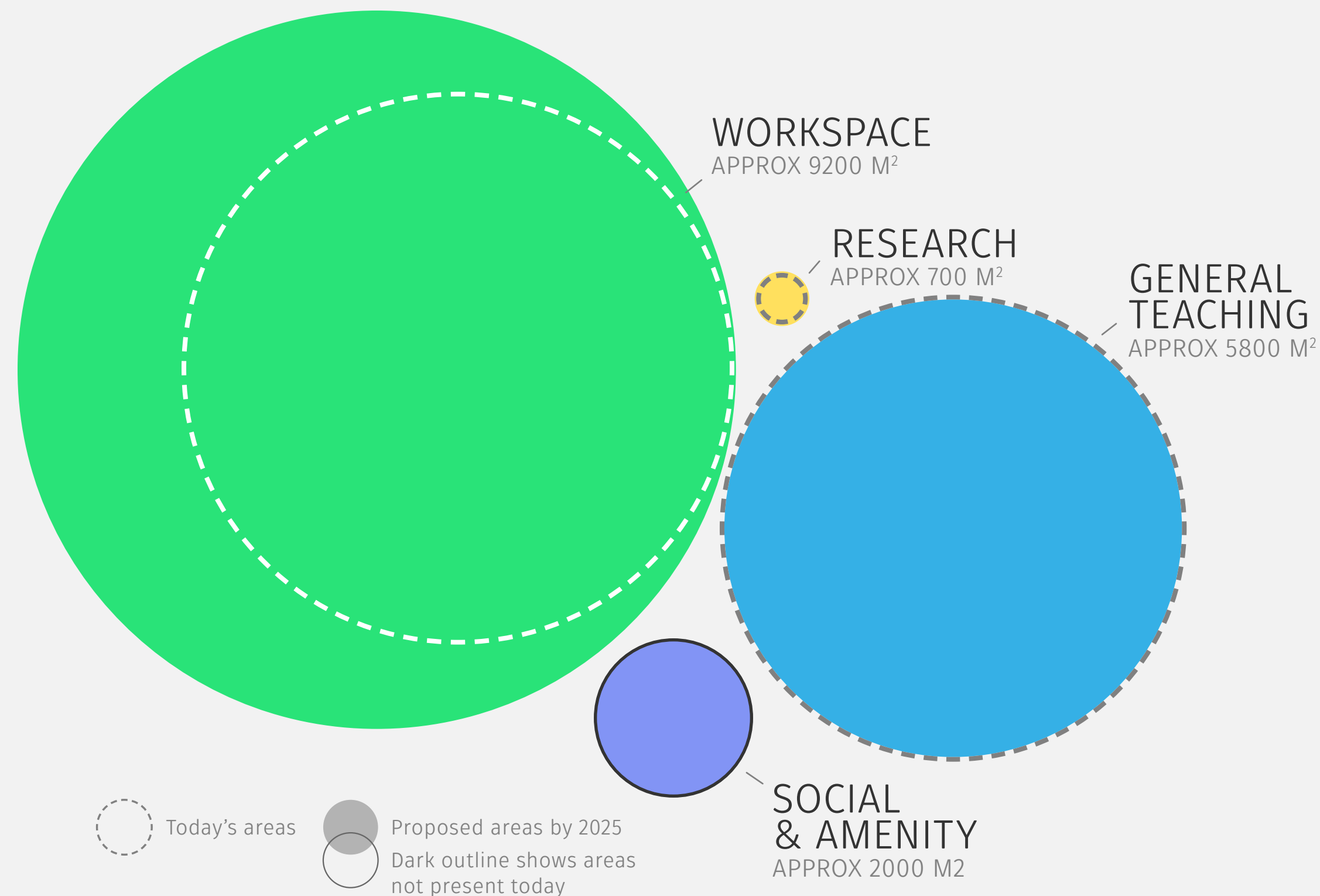


Flexible and adaptable,
this area will support
a high-volume of
multidisciplinary teaching
and research spaces.



PRECINCT 2

GENERAL TEACHING & RESEARCH



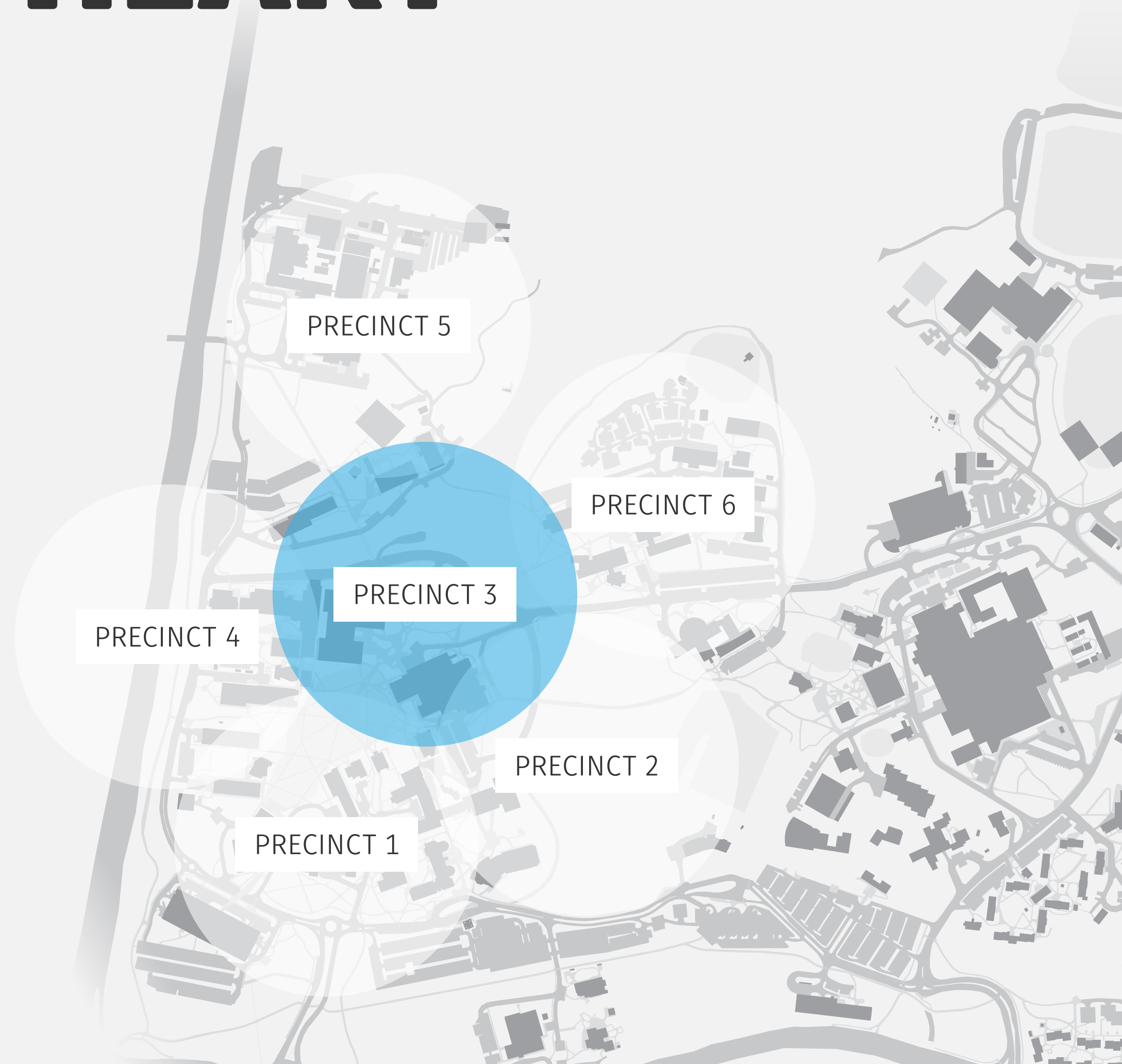
TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 2 (2025)

- Close to main transport node.
- High-density of students and staff.
- + Multidisciplinary learning.
- + Safe and easy access, both day and night.
- ↑ Social learning spaces.
- ↑ Contemporary workspaces.
- ↑ Large flat floor general teaching.
- ↑ Repurpose dry labs.
- Animal research moving to precinct 4.

PRIORITY PROJECTS

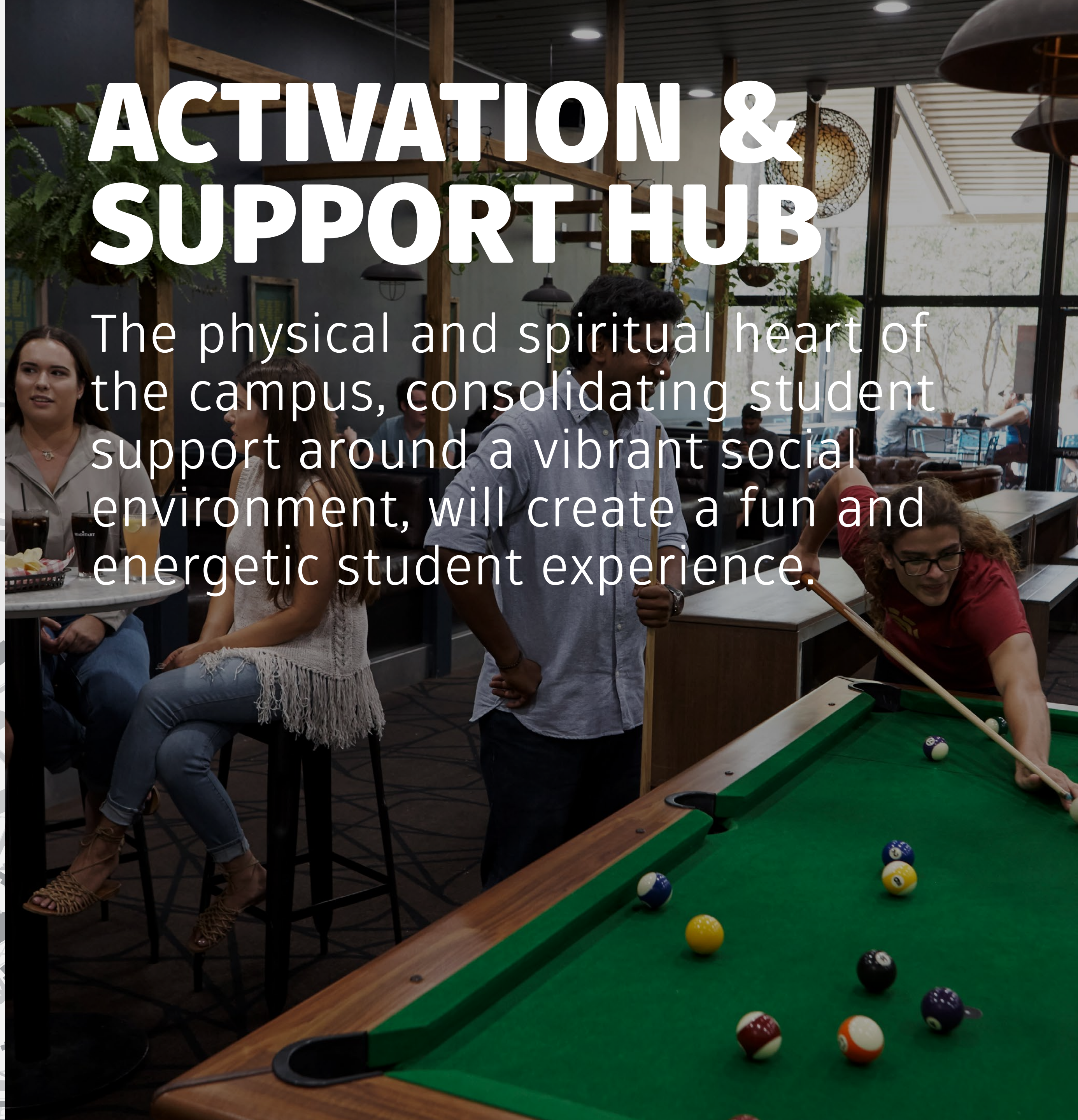
- V building - Stage 2
- Refurb CT, W, SR

PRECINCT 3 **CAMPUS HEART**



ACTIVATION & SUPPORT HUB

The physical and spiritual heart of the campus, consolidating student support around a vibrant social environment, will create a fun and energetic student experience.



PRECINCT 3 CAMPUS HEART

SOCIAL
& AMENITY
APPROX 15,400 M²

WORKSPACE
APPROX 3200 M²

GENERAL
TEACHING

○ Today's areas ● Proposed areas by 2025

TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 3 (2025)

- Social hub central to adjoining precincts.
- Versatile activation space and rejuvenated amenity.
- + Improved accessibility.
- + Increased density with day/night activation.
- + Hosting of community events e.g. farmers markets.
- ↑ Concentration of retail & student services.
- ↑ More vibrant green spaces.

PRIORITY PROJECTS

- Refurb US, L, LC, Isabella
- New campus green

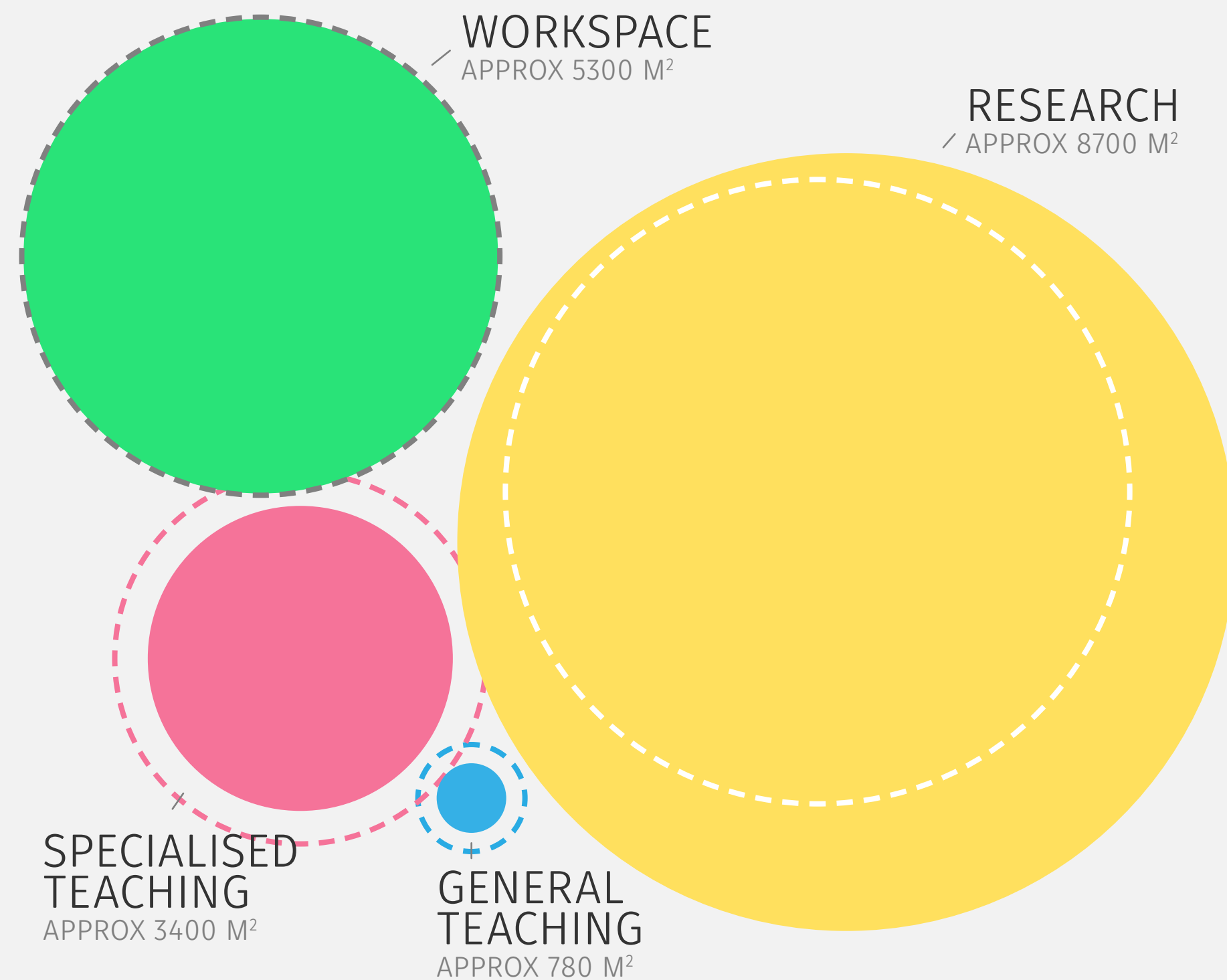
PRECINCT 4 **HEALTH & SCIENCES**



Incorporating the new Bioresources Facility, this precinct will be an active research hub largely focused on health and science, enabling students, researchers and industry to collaborate.



PRECINCT 4 HEALTH & SCIENCES



○ Today's areas ● Proposed areas by 2025

TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 4 (2025)

- Specialised laboratories.
- Proximity to social learning and services.
- Opportunities for undergraduates to be engaged in active research.
- + Consolidation of animal research.
- + Refurbished specialised teaching.
- + Repurposed research space.
- + Focus on the intersection between Health and the Life Sciences.
- ↑ Contemporary workspace.

PRIORITY PROJECTS

- New Bioresources Facility
- Refurb LS, SB, B, MS

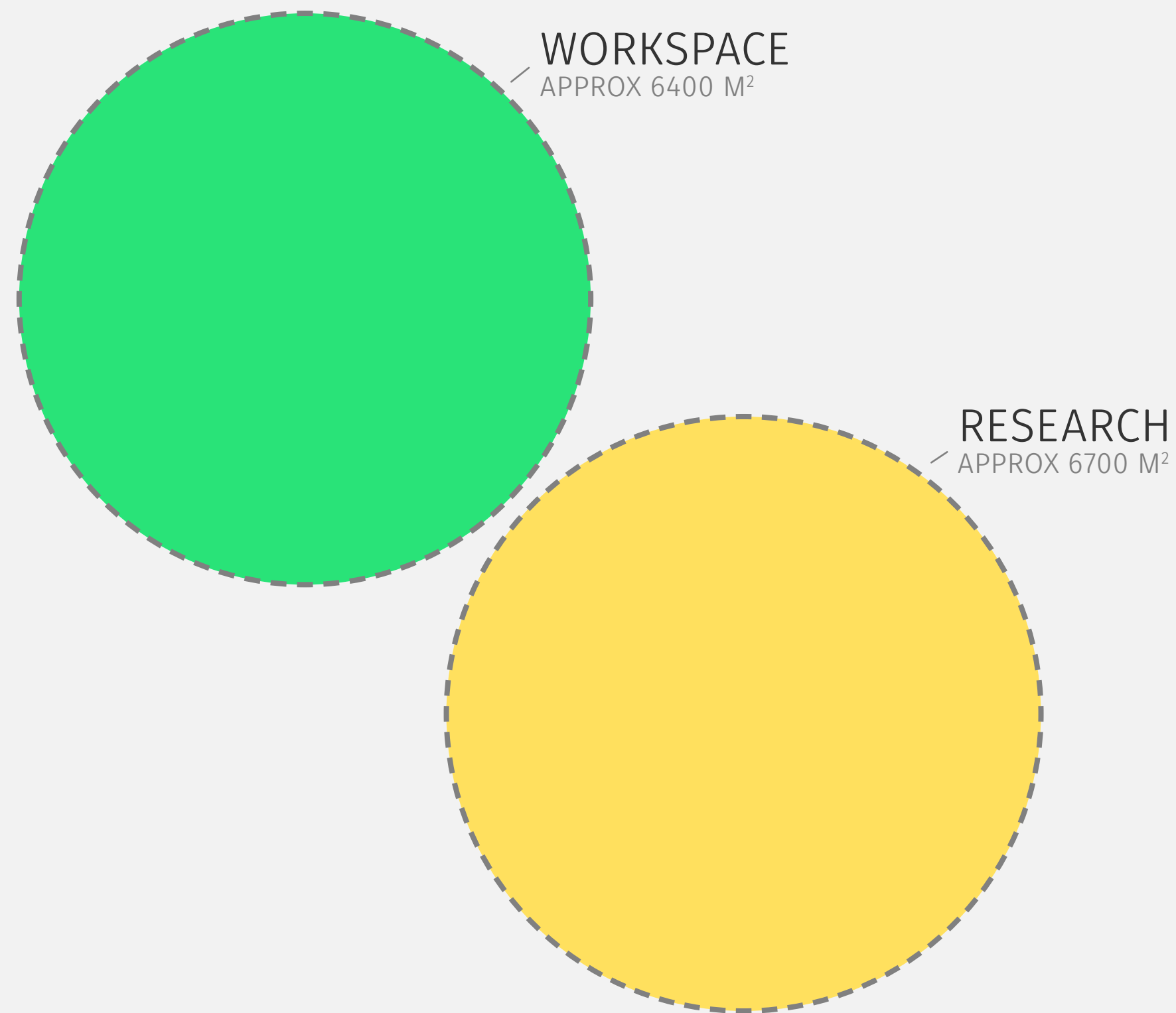
PRECINCT 5 **TRANSLATIONAL RESEARCH**



The Callaghan hub for pilot scale research, with a focus on industry partnerships and the commercialisation of ideas.



PRECINCT 5 TRANSLATIONAL RESEARCH



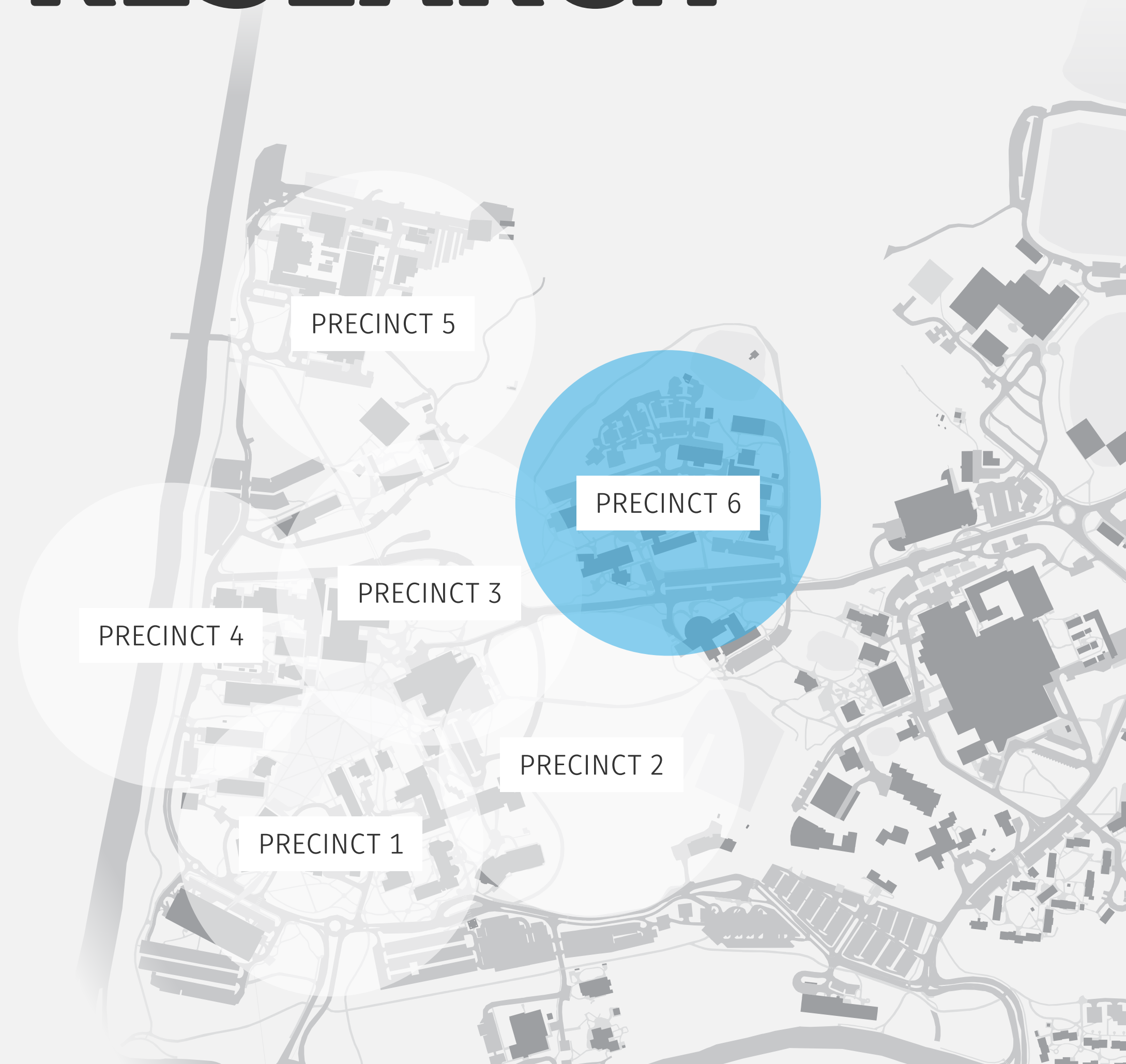
TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 5 (2025)

- Already accommodating NIER.
- Industry based research.
- Pilot scale research.
- + Consolidation of heavy workshop facilities.
- + Enormous capacity for industry collaboration.

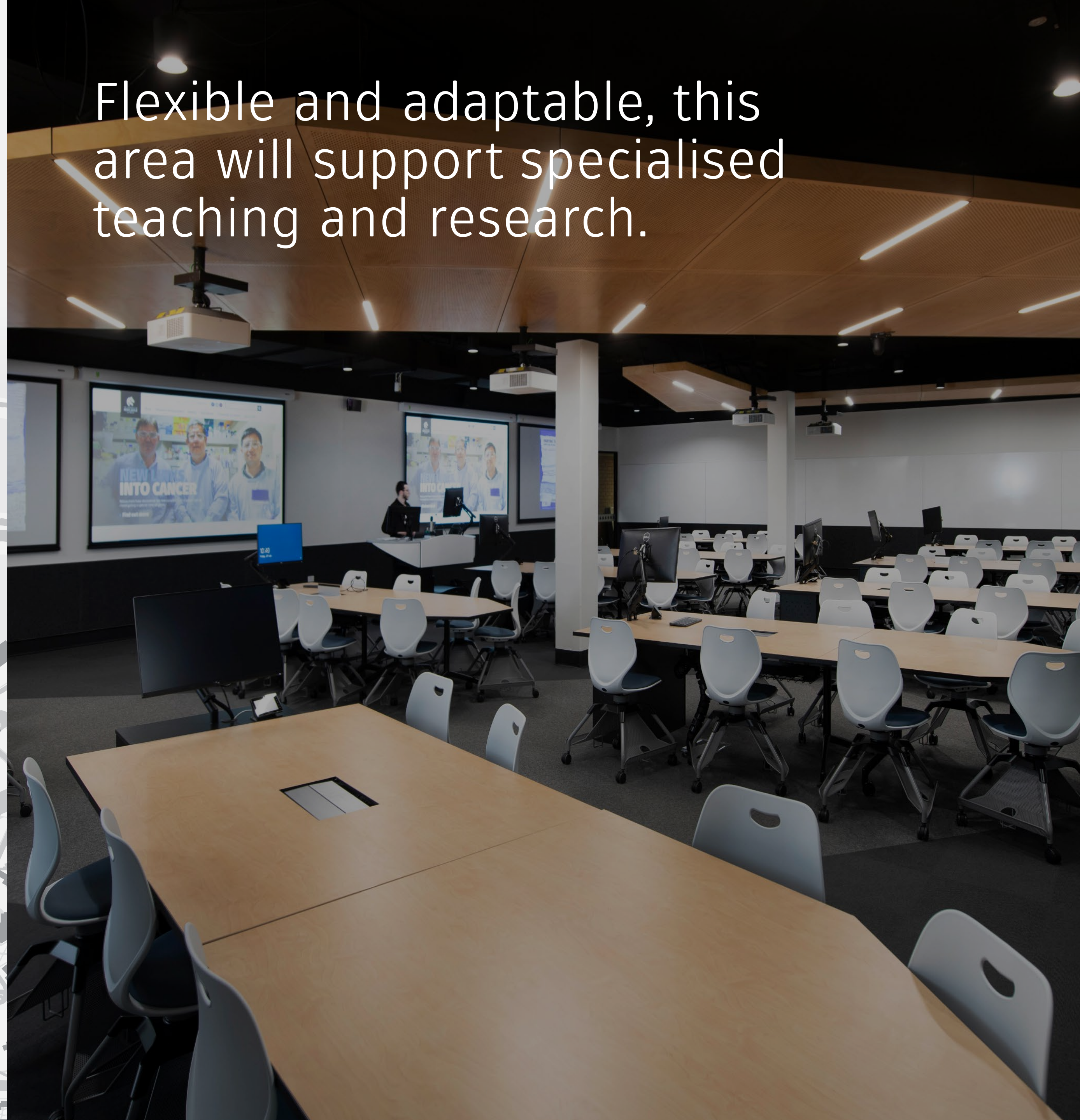
PRIORITY PROJECTS

- NIER C – Stage 2
- New innovation hub workshop

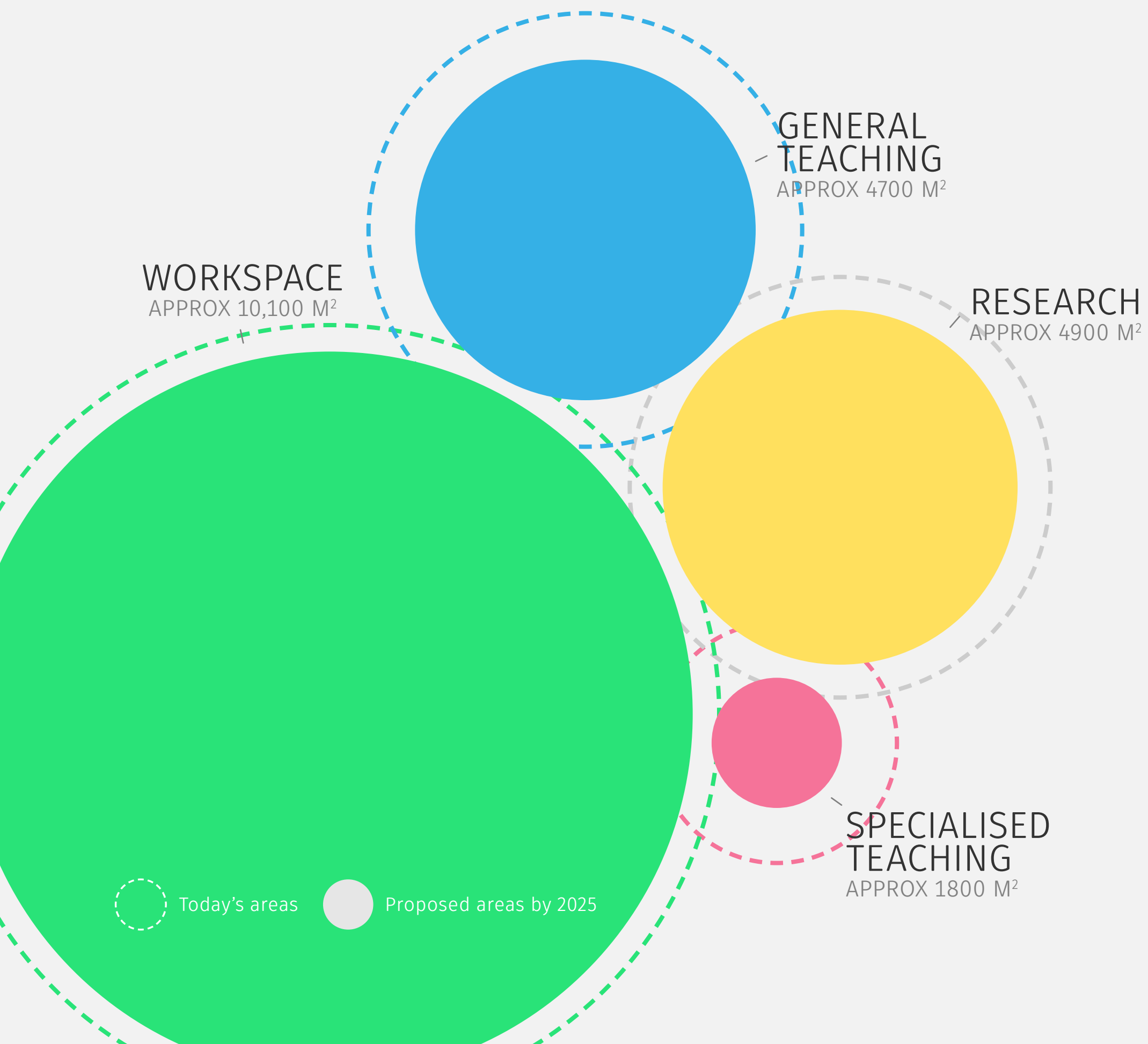
PRECINCT 6 **TEACHING & RESEARCH**



Flexible and adaptable, this area will support specialised teaching and research.



PRECINCT 6 TEACHING & RESEARCH



TARGETED OPPORTUNITY WE WANT TO ACHIEVE IN PRECINCT 6 (2025)

- General & specialised teaching space.
- + Relocation of STEMM activities.
- + Consolidation of workshops.
- + Disposal of end of life assets.
- + Repurposed specialised teaching and research space.
- ↑ Contemporary workspace.
- ↑ Large flat floor general teaching.

PRIORITY PROJECTS

- Refurb ES & EA buildings
- New mechatronics hub
- Expanded NEMS/MEMS research

OUR VISION FOR A MODERN, VIBRANT, MULTIDISCIPLINARY, CONNECTED AND SUSTAINABLE CALLAGHAN CAMPUS

