APAIE 2024

PERTH, AUSTRALIA   4-8 MARCH 2024

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Collaborating for sustainable impact: partnerships across the Asia Pacific

APAIE Perth 4 - 8 March 2024

APAIE
Asia-Pacific Association
for International Education

UC San Diego

UC San Diego's Approach to Advancing UN SDGs

Leveraging Partnerships to Maximize Impact

Tamara Cunningham

Assistant Vice Chancellor-Global Initiatives

APAIE | March 5, 2024

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UC San Diego Overview

- Vision for UC San Diego to be a destination public university that is student-centered, research-driven, patient-dedicated and service-oriented.

- Living-learning campus poised to become largest residential campus in the country by 2026.

- 2nd most applied to university in the country (200k/year).

- $1.76 billion research enterprise (2023).

- U.S. News and World Report – 20th Global, 5th best public in U.S.; 19th in Academic Ranking of World Universities.

- The 2023 Highly Cited Researchers list includes 71 faculty distinctions from UC San Diego - the highest number of influential voices in the UC system and ranks 7th highest among universities worldwide.

UC San Diego Research Overview
Four Grand Research Themes

- Understanding and protecting the planet

- Enriching human life & society

- Exploring the basis of human knowledge, learning and creativity

- Understanding cultures and addressing disparities in society

UC San Diego

17 PARTNERSHIPS FOR THE GOALS

Partnerships Case Studies

Introduction to Partnership Typologies

Center for Sustainable Development

- Innovative certificate program for UC San Diego undergraduate students
- Focused on addressing one or more of the National Academy of Engineering's Grand Challenges or the United Nations Sustainable Development Goals.

- Interdisciplinary teams of UC San Diego students
- Partner with nonprofits and NGOs
- Co-create solutions to socially urgent problems in San Diego and the developing world.

University of California Disaster Resilience Network

- A multicampus, multidisciplinary network that seeks to harness the University of California's breadth and depth of knowledge to prepare for, mitigate, and recover from human and natural disasters through service, education and research

- Strong emphasis on partnerships among UC and Pacific Rim Universities

- UN SDG Priorities for the UC DRN

  - Goal 6. Ensure availability and sustainable management of water and sanitation for all

  - Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

  - Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

  - Goal 13. Take urgent action to combat climate change and its impacts*

  - Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

  - Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

University of California Disaster Resilience Network

A Hub for Connection, Actionable Science, and Learning

Leverages "Network of Networks" concept through partnerships

- **University Partnerships**:
  - Universidad de Chile and UC-DRN (UC San Diego lead campus)
    - Primary focus on seismic resilience with expansion into other critical thematic areas, including drought/wildfire
  - IIT Bombay and UC-DRN (UC San Diego lead campus)
- **Industry Partnership:** EY via an Open Science Data Challenge

BENDING THE CURVE:

Climate Education for All

BENDING the CURVE

a collaboration with **10** campus media groups, UC Online + the CDL

Launched in **2018** and offered on 8 campuses to date

Bending the Curve: Climate Education for All is an online course that is educating the next generation of change agents in the fight against climate change and global warming.

30 faculty from

10 campuses +labs have contributed

39 video lectures

transportation   climate justice   carbon sequestration
atmospheric science   international governance   sea-level rise   carbon sinks   market policy   mental health
water agriculture   fire   renewable energy   religion ...

Focus to educate an entire generation

Resources

- Changemakers: Changemaker Institute (ucsd.edu)

- Global Ties: Global TIES (ucsd.edu)

- UC Disaster Resilience Network: University of California (ucdrn.org)

- Bending the Curve: Bending the Curve (ucsd.edu)

Tamara Cunningham

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Session 3B: Tues 5th March, 14:00 – 14:45

New Forms of Partnerships to Meet Sustainable Development Goals

Tamara Cunningham
University of California, San Diego, USA

Amanda Sayan
University of Sydney, Australia

Jolynn Shoemaker
University of California, Davis, USA

Chair
Joanna Regulska
University of California, Davis, USA

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New Forms of Partnerships to Meet Sustainability Goals

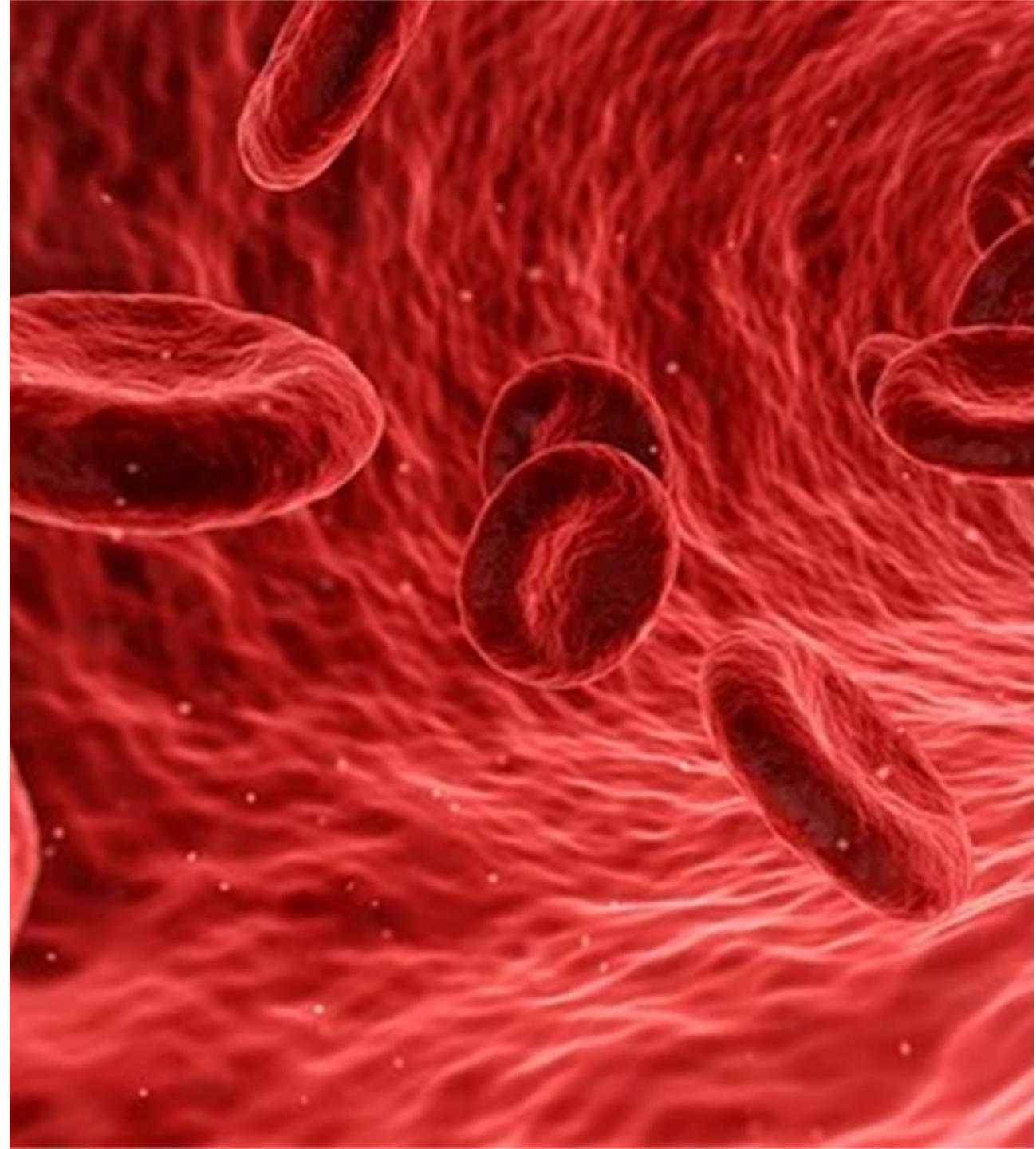Amanda Sayan, Director Global & Research Engagement

THE UNIVERSITY OF
SYDNEY

'In the spirit of reconciliation, the University of Sydney acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.'

THE UNIVERSITY OF
SYDNEY

Sydney 2032 strategy

- Our research is excellent, tackles the greatest challenges *and contributes to the common good*

- Leverage our comprehensiveness and partnerships to drive **multidisciplinary** problem solving
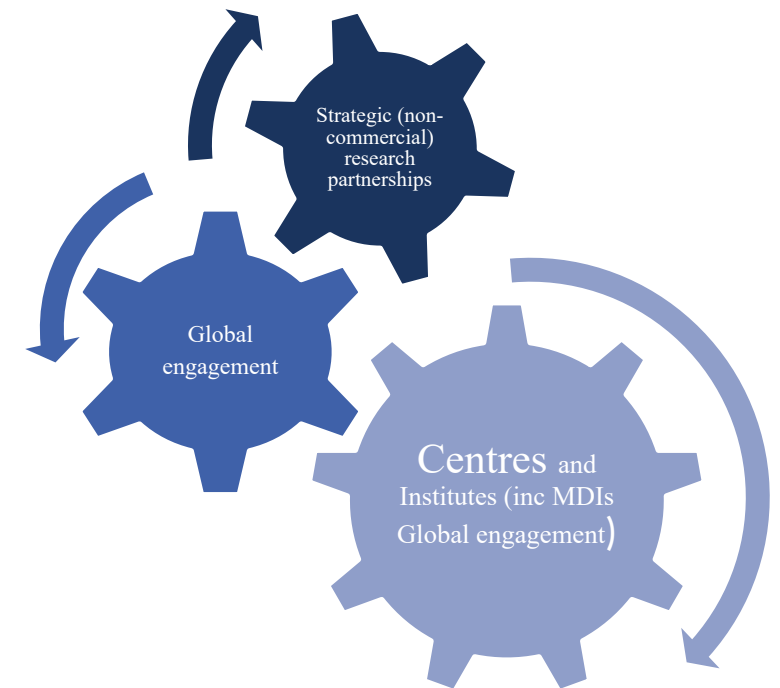
Research Ecosystem

To align with the new 2032 strategy, from 2023 onwards the University aims to build **strong research ecosystem** that contributes to **tackling global challenges** and **Sustainable Development Goals**.

We will partner with
- **individual researchers,**
- **strategic partners and network partners i.e APRU, U21**

- **research centres & multidsicplinary institutes,**
- **industry partners,**
- **government,**
- **funding bodies** and many more partners to align our research priorities with the SDG agenda

Our multidsicplinary institutes

Brain and Mind Centre
brings patients, support groups, carers, scientists, clinicians together to research mental health & neurological diseases

Charles Perkins Centre
addresses lifestyle diseases to find solutions that will inform and reform human health

Sydney Policy Lab
creates unique collaborations for lasting policy change

Sydney Environment Institute
extends and amplifies the scope of engagement on environmental issues

Sydney Nano Institute
takes nanoscience to new levels combining multidisciplinary expertise & purpose-built facilities

Sydney Southeast Asia Centre
supports research, education & Partnerships on critical real-world Southeast Asia issues

University of Sydney strategic global partnerships

The Americas

Cornell University
University of California, Davis
University of California, San Diego
University of Toronto

Europe

Sorbonne University
University College London
University of Edinburgh
University of Glasgow
Heidelberg University

Asia

Chinese University of Hong Kong
University of Hong Kong
Fudan University
Shanghai Jiao Tong
Zhejiang University
Yonsei University
National University of Singapore
National Taiwan University
Indian Institute of Technology, Madras

Supporting SDG collaborations through internal grants

Ignition grants

- **Reciprocal** seed funding to facilitate and support joint initiatives with priority partners
- Teams which include PhD or masters by research students, postdocs, early- and mid-career researchers, and researchers on Sabbatical Leave
- **Multidisciplinary**
- Sustainable projects – i.e., **able to leverage external funding**
- Projects address **SDGs**

Compact agreements

- Develop **multi-year contract** between our global partners and our multidsicplinary institutes for academic staff to **engage in collaborative research** on nominated SDGs i.e climate action etc
- Further funding is dependent on meeting milestones
- Funding criteria includes **leveraging external funding** above 250,000

Supporting SDG collaborations through internal grants

SDG Collaboration awards

- **Funding** of 150,000 per project to support collaborative initiatives that develop **multi-disciplinary cutting-edge** research to create which addresses the **SDG**s
- Preference is for international partners which are **University strategic partner universities or network partners.**
- **Multidisciplinary**
- Sustainable projects – i.e., **able to leverage external funding**
- Successful USyd teams are expected to **submit external grant applications** (to the value of AUD 300,000) within 18 months.
- Projects must address **SDGs and teams are encouraged to use the impact tracker**

Indian Institute of Technology, Madras partnership

- Sydney and IIT Madras have signed a strategic partnership under the broad theme of **'Energy'**
- Both Institutions committed **50,000 a year** over 3 years to seed fund projects.
- The Consortium will be a **research hub** for researchers conducting collaborative projects in fields related to energy
- Facilitate academic mobility with an emphasis on HDR students and early career researchers
- Facilitate joint conferences, meetings, and/or workshops on the Research Themes.
- Facilitate participation to **large research funding calls**
- Facilitate a **visiting Fellowship** program
- Identify complementarity of labs, develop sister labs

- **Next steps**
- Joint Ph.D. agreement
- Virtual research centre on 'Energy'

Tripartite agreement – Fudan & University of Hong Kong

- Signed our **first tripartite agreement** focussed on the SDGs

- **Sustainability and carbon neutrality initiatives** in the Asia Pacific Region

- Establish a **joint research hub** on sustainability and neutrality initiatives

- **Developing** university wide carbon neutrality targets in advancing research and educational programs in the Asia Pacific Region

Network engagement

- Members of **3 university networks** that aim to contribute to the SDG framework for global cooperation to address the world's 'wicked' challenges through:
- Research
- Student experience
- Advocacy
- Educational innovation

Student experiential learning

- We partner with industry to provide opportunities for our students through Industry and project community units (ICPUs).

- In collaboration with an industry partner and an academic lead, students work in a group with other students from a range of disciplinary backgrounds on projects addressing the SDGs.

SDG 4 – Quality of Education
- United Nations Association of Australia (NSW division)
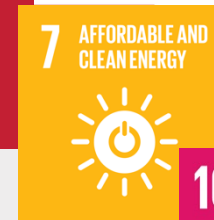**SDG 7 – Affordable and Clean energy**
- Gilbert & Tobin – Towards a sustainable energy transition
SDG 10 – Reduced Inequalities
- Bridge Housing - Community Engagement of Social and Affordable Housing Residents
- Youth Justice NSW - Multicultural Practice and Outcomes in the Youth Justice System
- Solve-TAD - Enhancing Services for Children Living with Disability
SDG 11 – Sustainable Cities and Communities
- North Coast Aboriginal Development Alliance - Supporting Responsive Flood Recovery with Aboriginal Communities
- PTW Architects – Building for a Sustainable Future

Conclusion

There is much work to be done and challenges to overcome to meet the UN SDGs goals of 2030 and achieve a better and more sustainable future for all – but one way to step closer to this ultimate goal is to maximise the **value of partnerships for greater impact.**

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University of California Davis Advancing SDGs through Partnerships in Research and Education

Jolynn Shoemaker, Director of Global Engagement
Global Affairs, University of California, Davis

Outline

About UC Davis

Supporting Faculty in SDG Knowledge Co-Creation

Next Generation Student Leadership Across Disciplines

Engaging Campus, Local, and Global Communities for Shared Goals

UC DAVIS

Main Campus
Davis, California

Tahoe Environmental Research Center
Incline Village, Nevada

UC Davis Health System
Sacramento, California

Bodega Marine Laboratory
Bodega Bay, California

San Francisco

Los Angeles

UC Davis at a Glance

1st in the U.S. for diversity and internationalization

1st in the U.S. and 2nd in world for veterinary medicine

1st in the U.S. and 2nd in world for agriculture

1st in U.S. for campus sustainability

2nd in U.S. for plant sciences

2nd best public university in the U.S.

UC**DAVIS**
Global Affairs

1 OF **5**

PUBLIC UNIVERSITIES WITH OUR BREADTH OF EXPERTISE
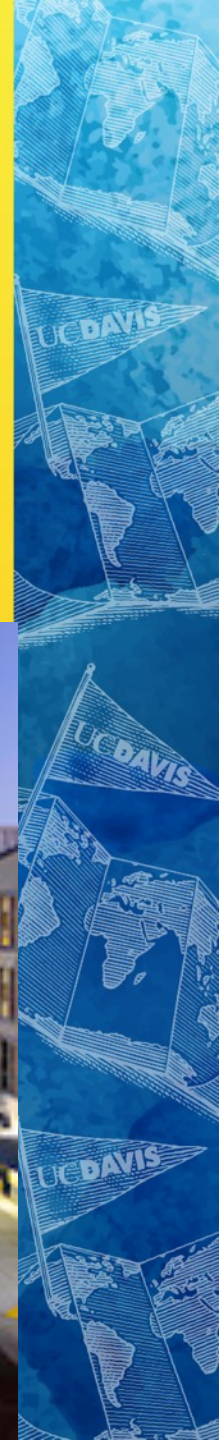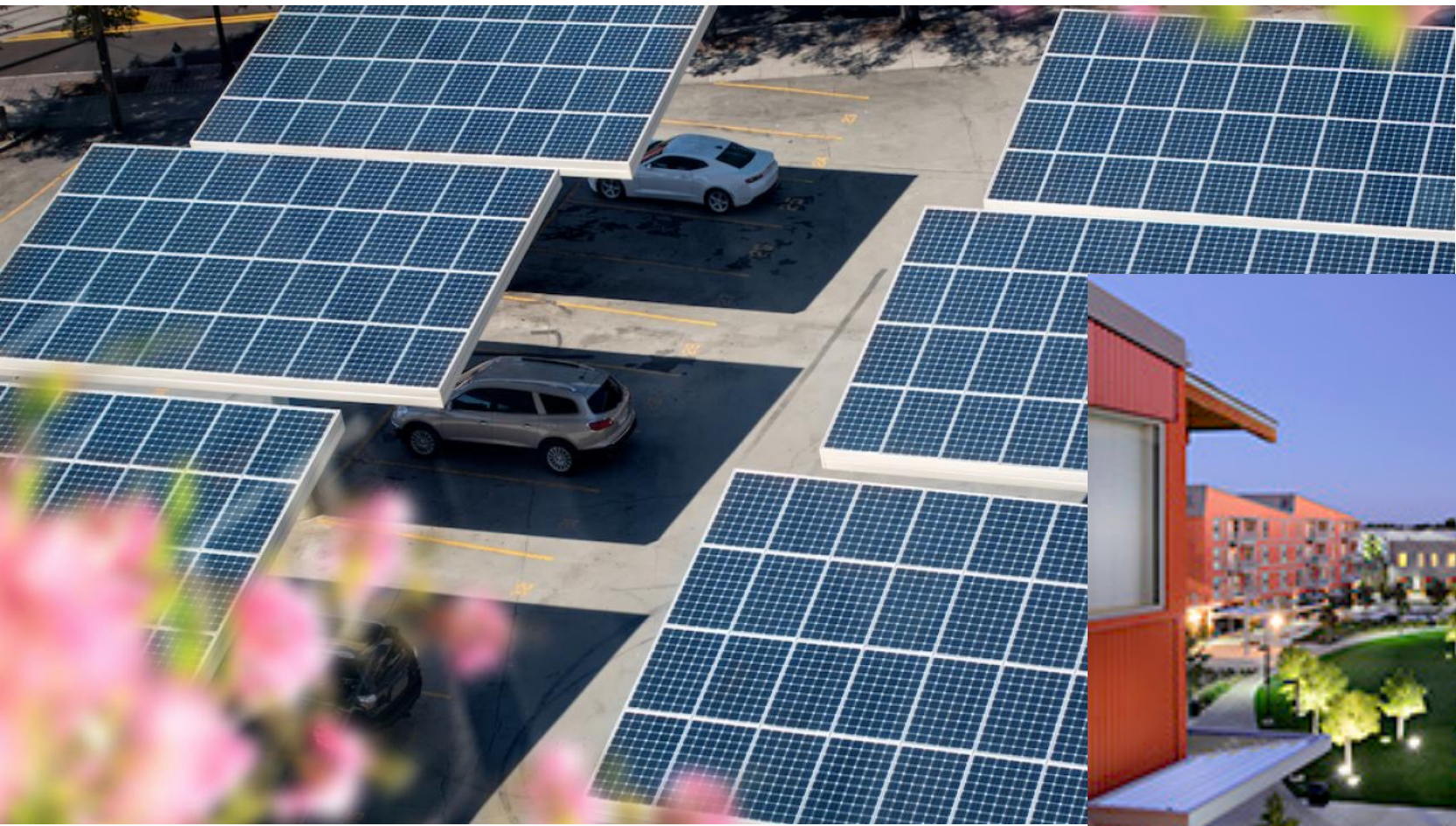
HUMAN HEALTH

ANIMAL HEALTH

AG & ENVIRONMENT

UC Davis Grand Challenges

Energy: Sustainable Solutions and Technologies for the Future

Vertical Farming and Cultivated Proteins

TO BOLDLY GO
A STRATEGIC VISION FOR UC DAVIS

GOAL 4 ▶

Support our community, region, state, nation and world through mutually beneficial and impactful partnerships that reflect a firm commitment to our mission and increase the visibility and reputation of the university.

UC Davis: Supporting Faculty in SDG Knowledge Co-Creation

- Faculty grants to support the SDGs:
  - Campus partnerships/Interdisciplinary
  - 15 diverse projects; 14+ partners;
  - 12 countries; 16 of the 17 SDGs
- Teaching for Global Learning
  - Provides faculty with concrete tools for globalizing teaching and preparing students to engage across cultural and geographic boundaries.
- Faculty Participation in SDG Events and Activities

UCDAVIS
Global Affairs

UC Davis: Next Generation Student Leadership Across Disciplines

- SDG Internship for Undergraduates

- Becoming a Global Collaborator Course

- Global Learning Programs

Thank you

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