



 **2023 PRESIDENTS INSTITUTE**
Designing the Future >>>

**Bold Actions to Address the
Climate Crisis**

January 6, 2023

 Council of Independent Colleges

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guidebook

 Dynamic Campus

Stevens Strategy
Colleges • Universities • Schools



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Presenters

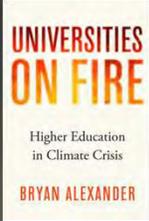
Bryan Alexander
Senior Scholar, Department of Learning and
Design, Georgetown University

L. Song Richardson
President, Colorado College

Ralph Trecartin
President, Pacific Union College

Chair: Charlotte P. Morris
President, Tuskegee University

Future universities and climate change



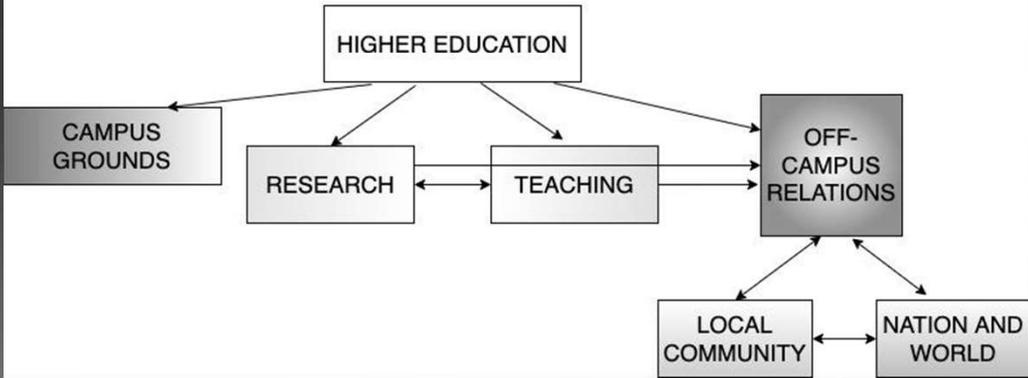
https://en.wikipedia.org/wiki/Northwest_Passage



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Multiple engagement levels

**HOW HIGHER EDUCATION ENGAGES
WITH THE CLIMATE CRISIS**

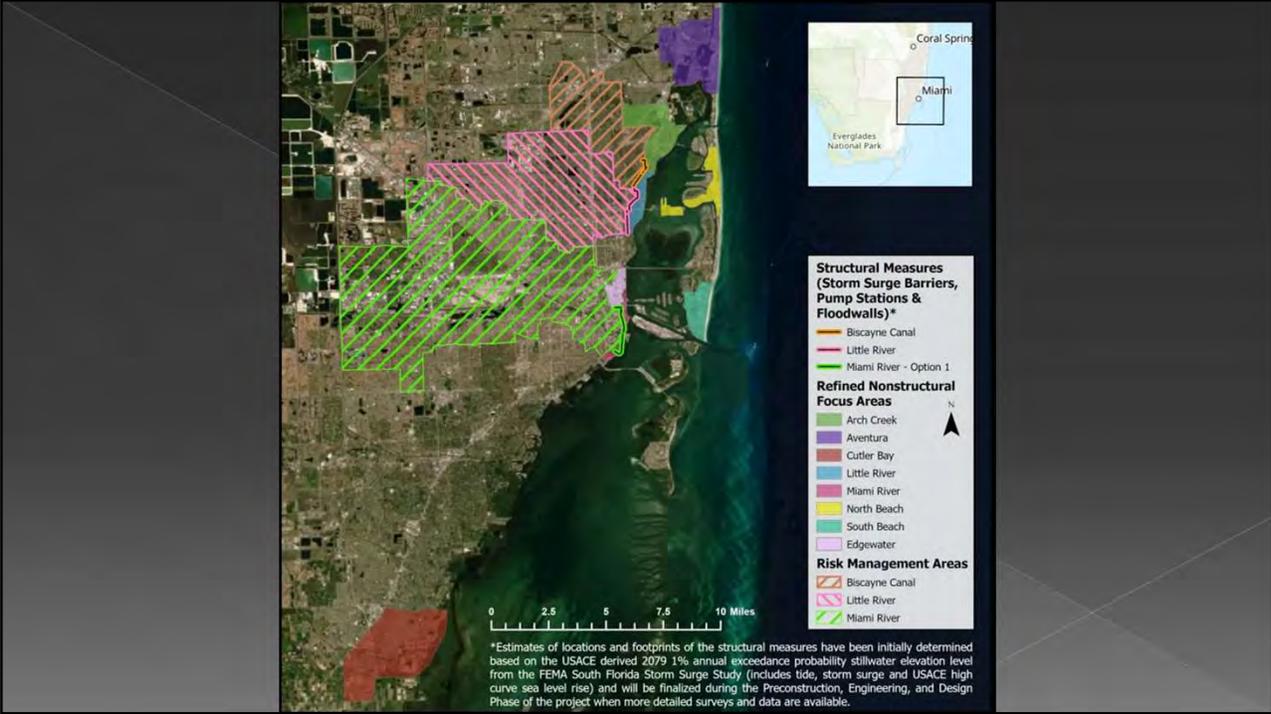


Climate change on campus

- Buildings
- Power
- Transportation
- Green IT?
- Food systems
- Basic needs
- Relocation from water, desert



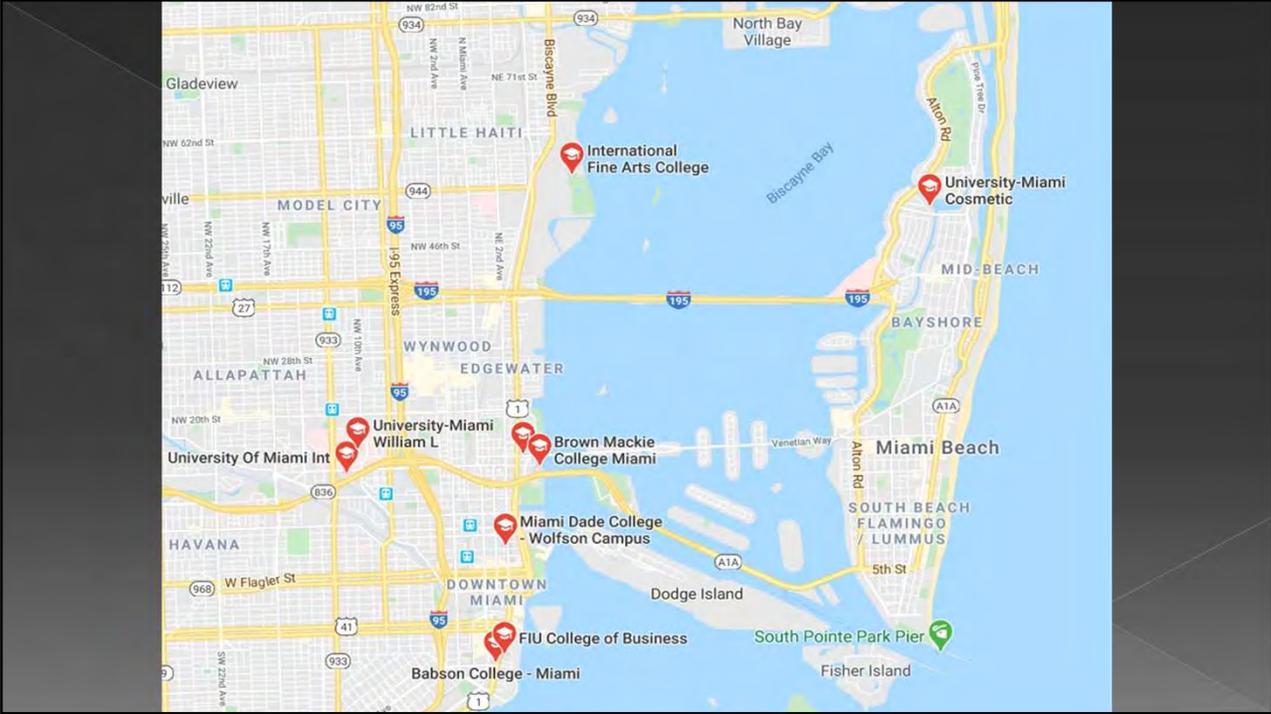
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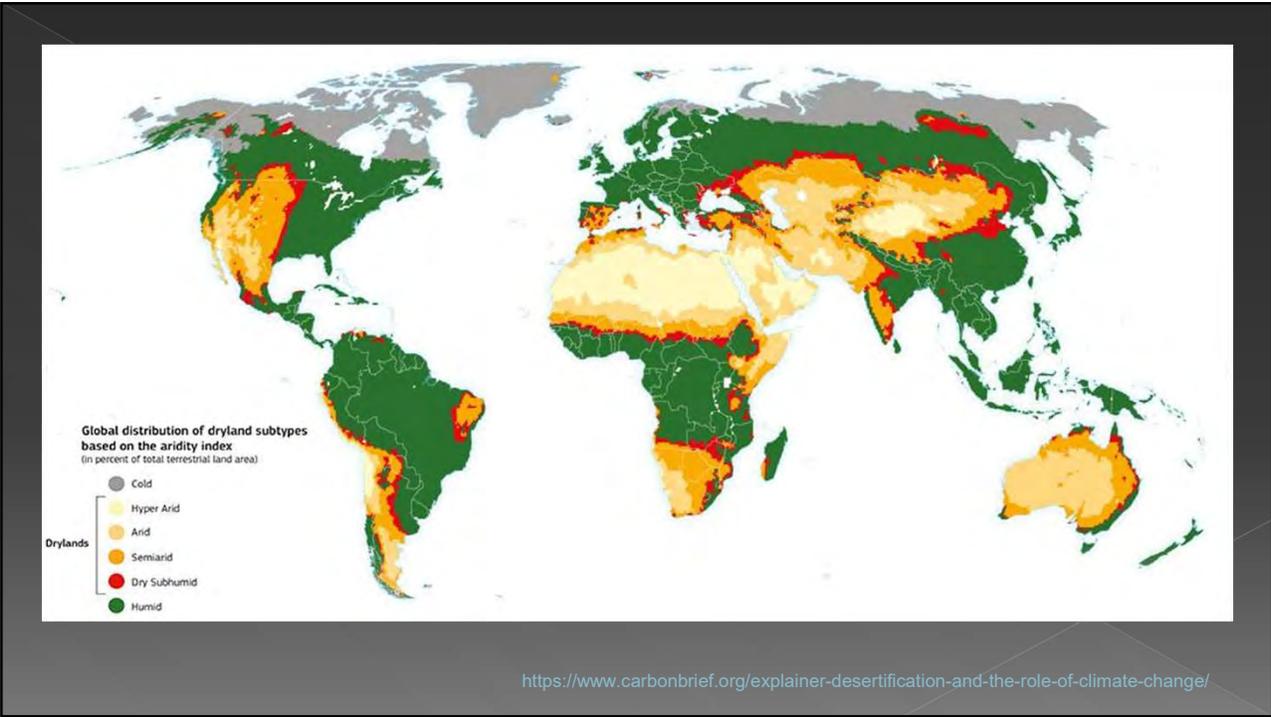


Bold Actions to Address the Climate Crisis



Bold Actions to Address the Climate Crisis





Climate change impacts

Research:

- Fields expand, contract
- New domains, disciplines

Climate change impacts

Support?

- How to preserve endangered sites, materials
- Political pressures

Academic travel?



- All webinars?
- HyFlex meetings?

But:

- Inequalities
- Resistance



Climate change impacts

Teaching: curricula:

- Expand current work
- Add new microcredentials, programs, centers

Climate change impacts

Teaching: pedagogies:

- Project based
- Inquiry based
- Simulations/gaming



Barcelona

Barcelona students to take mandatory climate crisis module from 2024

Course thought to be world first agreed after university bowed to pressure from seven-day End Fossil protest

Stephen Burgen
in Barcelona

Sat 12 Nov 2022 03:00 EST

[f](#) [t](#) [e](#)



<https://www.theguardian.com/world/2022/nov/12/barcelona-students-to-take-mandatory-climate-crisis-module-from-2024>

Climate change impacts

Role of academia in the crisis:

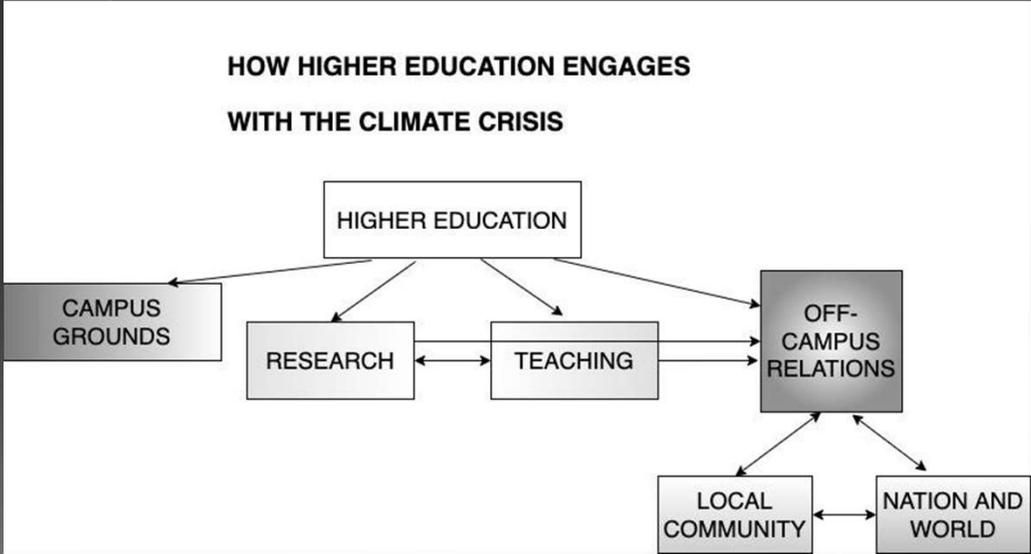
- Work with local efforts?
- Collaboration/friction

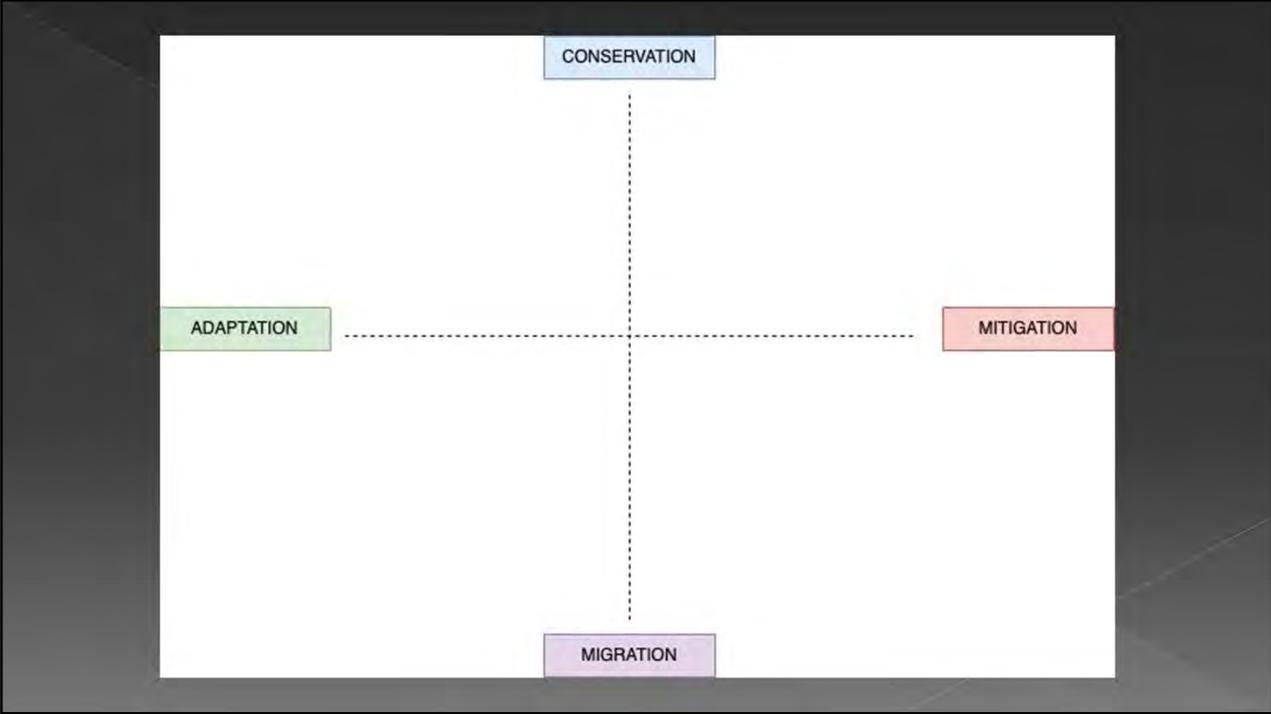
Climate change impacts

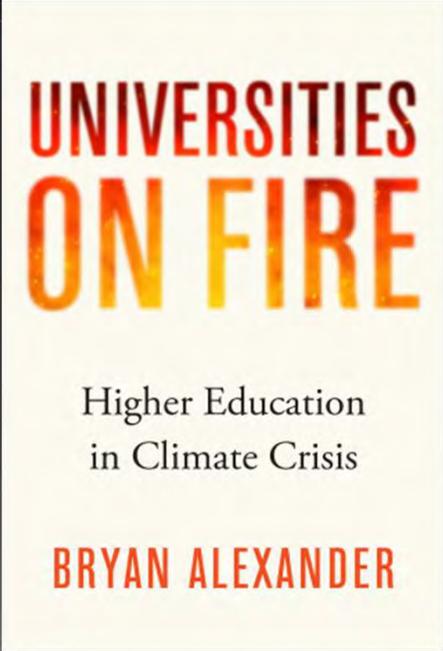
Role of academia in the crisis:

- Public intellectuals?
- Lead mitigation?
- Support climate migrants?
- Global alliances?

Multiple engagement levels







**UNIVERSITIES
ON FIRE**

Higher Education
in Climate Crisis

BRYAN ALEXANDER

<http://futureofeducation.us/>
twitter.com/bryanalexander



**Bryan
Alexander**
CONSULTING



Snapshot

- o Founded 1874
- o Block Plan since 1970
- o 2,425 students
- o 80 majors, minors, specialized programs





COLORADO COLLEGE
CARBON
NEUTRAL
2020

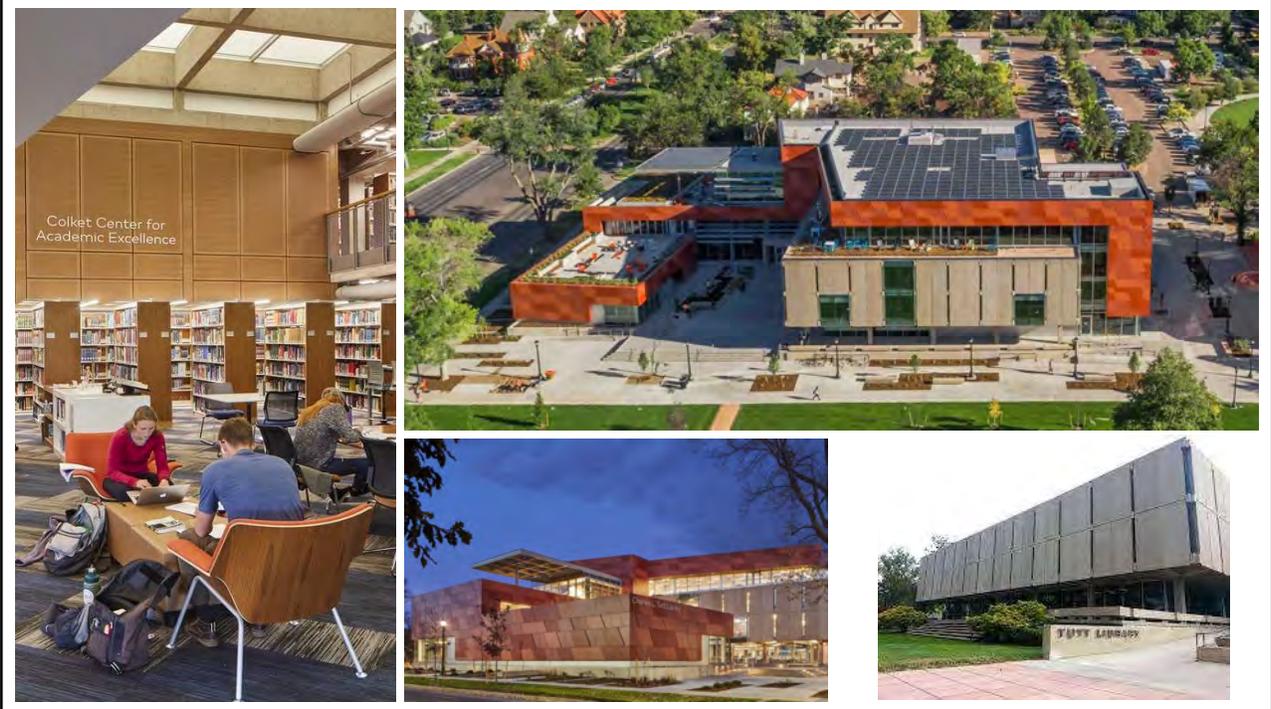
1st in Rocky Mountain Region
8th in North America



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EnAct: Students from the EnAct Club join the Global Climate Strike in CO Springs

Colorado Springs Utilities
@CSUtilities

Drake Power Plant will shut down for good tomorrow night. We used coal for the last time at the plant one year ago. Now we're turning off the natural gas units. Drake has served our community for almost 100 years. But it's time to say farewell. Hello, cleaner energy future.



4,352 views 0:01 / 0:15



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COLORADO COLLEGE
CARBON
NEUTRAL
2020

- Reducing On-Campus Emissions by **75%**
- 100%** Renewable Energy
- Campus Engagement
- Community Partnerships
- Efficiency Upgrades
- Building Renovations
- Carbon Offsets





 **Tree Semester**
Teaching & Research in Environmental Education



Anthropology

Race, Ethnicity & Migration Studies

Mathematics & Computer Science

History

Econ. & Business

Geology

Political Science

Philosophy

Southwest Studies

Organismal Biology & Ecology

Environmental Studies Program

Sociology

28 out of 30 academic departments at CC offer courses that focus on sustainability





Student/Faculty Collaborative Research

1/5 of faculty conduct research that focuses on elements of sustainability

1/3 of departments have at least one member engaging in sustainability focused research



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Public Interest Fellowship Program: Connecting students to CO nonprofits



State of the Rockies: Student research around social and political challenges in the West



Anthropology Dept: Students at COP27, staffing the Youth Environmental Alliance for Higher Education exhibit booth



Office of Sustainability: Opportunities for students to lead sustainability initiatives across campus

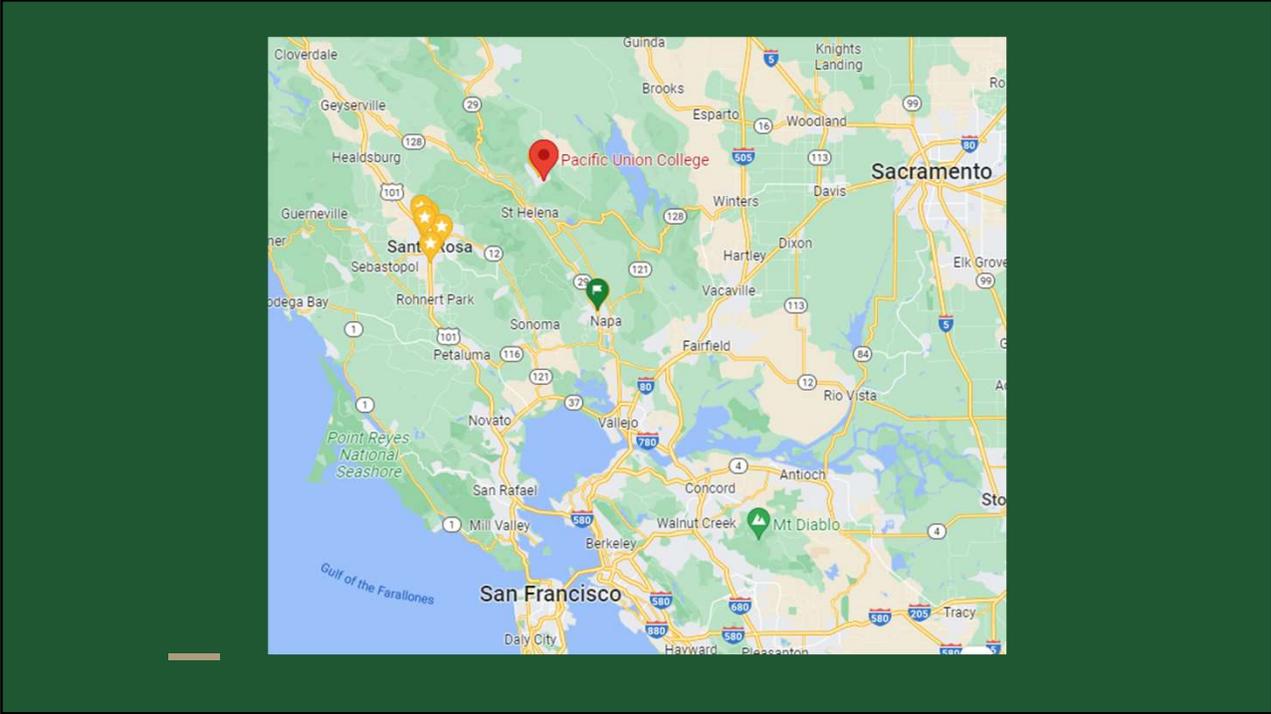


CCE: Supporting student community engagement in CO Springs





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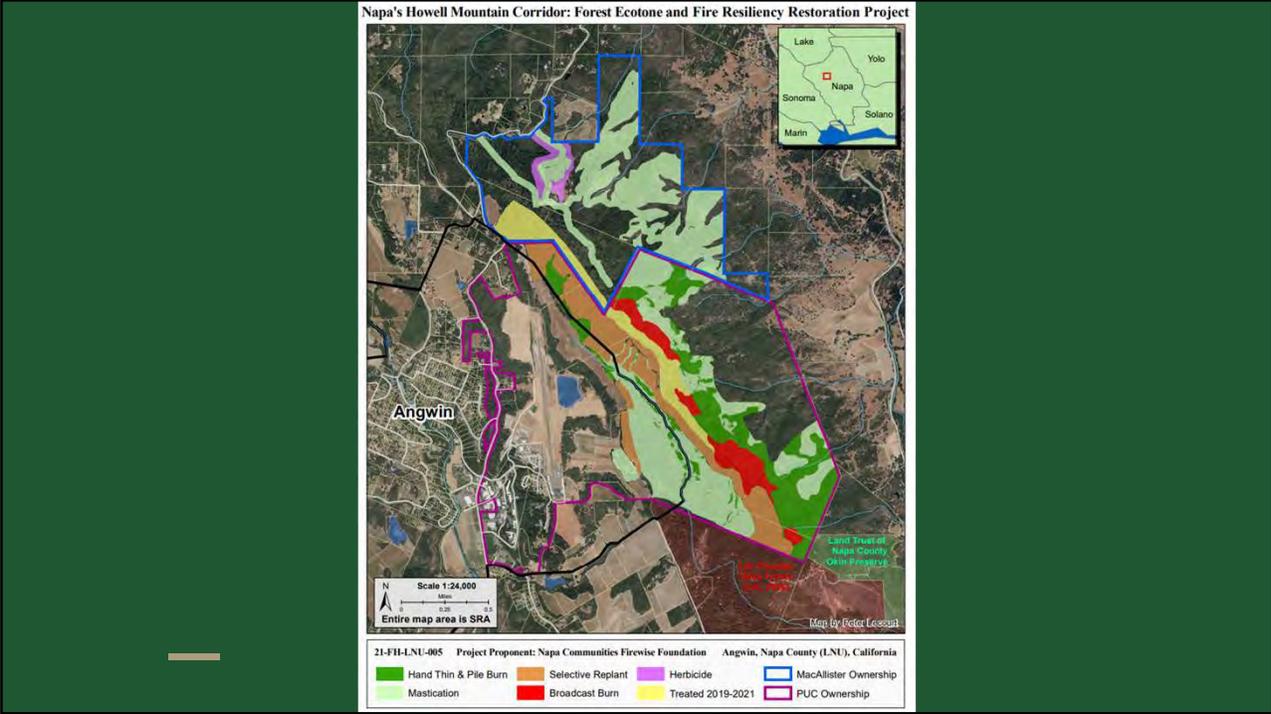
- Private, Christian, liberal arts college
 - 140 years
 - Over 800 students
 - Over 70 degree programs including nursing and health sciences, business, science and technology, behavioral sciences, communication and visual arts
-



Environmental Efforts

- Water reclamation and management
- Sustainable forest management
- Land trusts
- Conservation technology major
- Volunteer work and research projects
- Fire Mitigation









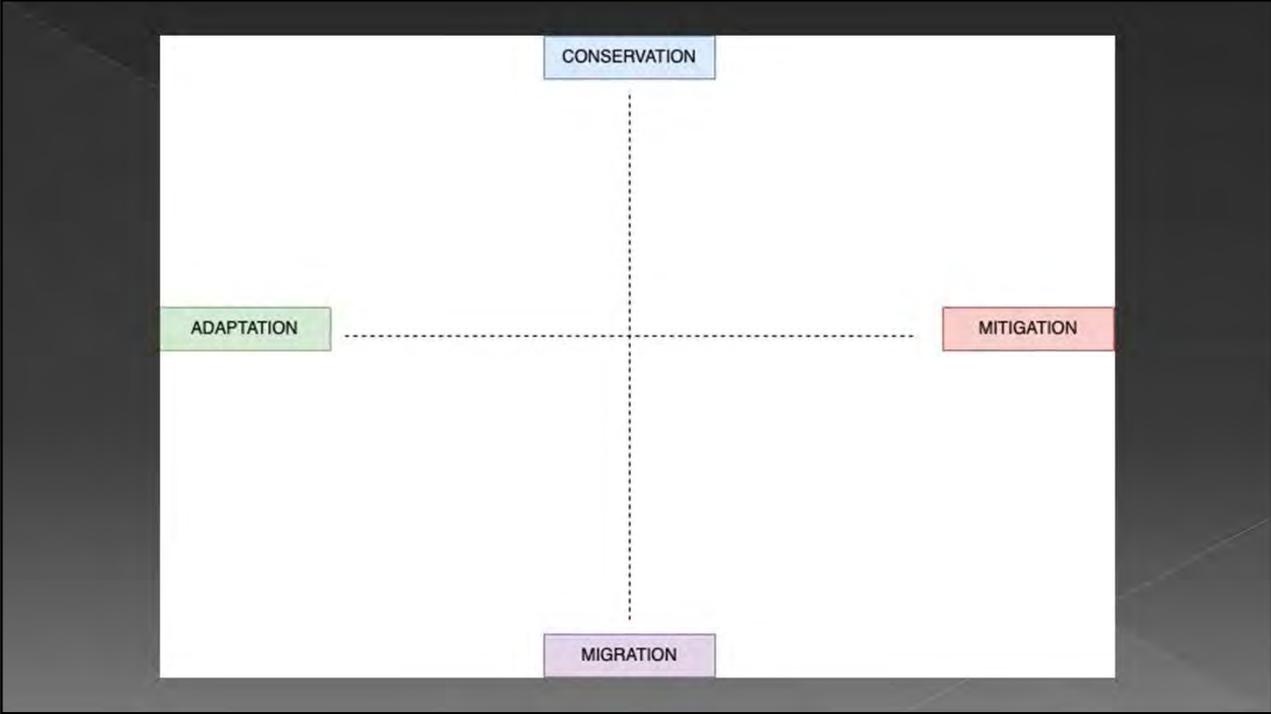




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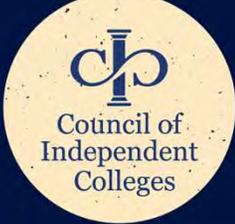
DISCUSSION:
*WHAT MORE CAN
WE DO?*



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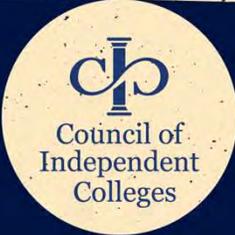
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QUESTIONS?

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Thank you

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