



**BOARD OF TRUSTEES’
RESEARCH AND ECONOMIC
DEVELOPMENT COMMITTEE
AGENDA AND MATERIALS**

November 16, 2023

1:00 – 3:00 p.m.

AGENDA ITEM TITLE: Research Presentation – SI Outreach Specialists, Wyoming Research Scholars, Chitnis, Lyford, Crait, Jeffs, Pilkerton, Gray, Milbrath, Turner

SESSION TYPE:

- Work Session
- Information Session
- Other
- [Committee of the Whole – Items for Approval]

APPLIES TO STRATEGIC GOALS:

- Yes (select below):
 - Institutional Excellence
 - Student Success
 - Service to the State
 - Financial Growth and Stability
- No [Regular Business]

- Attachments are provided with the narrative.*

EXECUTIVE SUMMARY:

In every in-person meeting of the Research and Economic Development Committee of the UW Board of Trustees, research presentations in certain areas of UW's research enterprise are included. For November's meeting 2 SI Outreach specialists and 3 Wyoming Research Scholars will report on their current work.

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

NA

WHY THIS ITEM IS BEFORE THE BOARD:

Informational

ACTION REQUIRED AT THIS BOARD MEETING:

NA

PROPOSED MOTION:

NA

PRESIDENT'S RECOMMENDATION:

NA

AGENDA ITEM TITLE: Update on Consortium Model: Educational Health Center of Wyoming and Family Medicine Residency Program, Carman/Warren

SESSION TYPE:

- Work Session
- Information Session
- Other
- [Committee of the Whole – Items for Approval]

APPLIES TO STRATEGIC GOALS:

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EXECUTIVE SUMMARY:

At the September 2023 meeting of the Board of Trustees, the Board referred ongoing discussion of the residency consortium model to the Research and Economic Development Committee. At the November 2023 RED Committee meeting we will discuss progress that has been made toward creation of the consortium and discuss decision points that arise between submission of these materials and the Committee meeting. Chief among these will be discussion of the organizational model for the Consortium; namely, whether or not to establish a separate 501(c)(3) to oversee the consortium.

WHY THIS ITEM IS BEFORE THE BOARD:

At the September 2023 Board of Trustees Meeting, discussion of the residency consortium model was referred to the RED Committee.

ACTION REQUIRED AT THIS BOARD MEETING:

N/A. Information only.

PROPOSED MOTION:

N/A. Information only.

PRESIDENT'S RECOMMENDATION:

N/A. Information only.

AGENDA ITEM TITLE: RED Division Updates, Chitnis, Biggs, Ver Ploeg

SESSION TYPE:

- Work Session
- Information Session
- Other
- [Committee of the Whole – Items for Approval]

APPLIES TO STRATEGIC GOALS:

- Yes (select below):
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- No [Regular Business]

- Attachments are provided with the narrative.*

EXECUTIVE SUMMARY:

At each in-person board meeting Vice President Chitnis presents a general update to the REDC on activities taking place within the division. This month this includes an update from the newly formed Industry and Strategic Partnership Office.

WHY THIS ITEM IS BEFORE THE BOARD:

Informational

ACTION REQUIRED AT THIS BOARD MEETING:

N/A. Information only.

PROPOSED MOTION:

N/A. Information only.

PRESIDENT'S RECOMMENDATION:

N/A. Information only.

AGENDA ITEM TITLE: Importance of Research Parks for a Research University, Chitnis

SESSION TYPE:

- Work Session
- Information Session
- Other
- [Committee of the Whole – Items for Approval]

APPLIES TO STRATEGIC GOALS:

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- Attachments are provided with the narrative.*

EXECUTIVE SUMMARY:

Research Parks are key components of the innovation systems at vibrant research institutions. They include spaces for business incubation, growth, and corporate collaborations, thereby providing a dense innovation environment for accelerating translation of university research to commercial outcomes. Discussion will focus on reasons for pursuing the establishment of a research park at UW.

WHY THIS ITEM IS BEFORE THE BOARD:

Informational

ACTION REQUIRED AT THIS BOARD MEETING:

N/A. Information only.

PROPOSED MOTION:

N/A. Information only.

PRESIDENT'S RECOMMENDATION:

N/A. Information only.

The Science Initiative Roadshow: Bringing Hands-on STEM to Wyoming K-12 Classrooms

Quiana Jeffs

PhD Candidate, Neuroscience Program

Exploring the Magic of Science through Science Initiative STEM Days

Ashleigh Pilkerton

PhD Candidate, Program in Ecology, Department of Zoology and
Physiology, Wyoming Cooperative Fish and Wildlife Research Unit

Reconstructing global long term climate means using ERA5 data

Maille Gray

Majors: Environmental Systems Science, Geography

Evaluating age and reproduction of California floater and Western pearlshell mussels

Miles Milbrath

Major: Wildlife and Fisheries Biology and Management

Searching for climate change refugia using herbaria data

Chelsea-Victoria Turner

Major: Plant Production and Protection

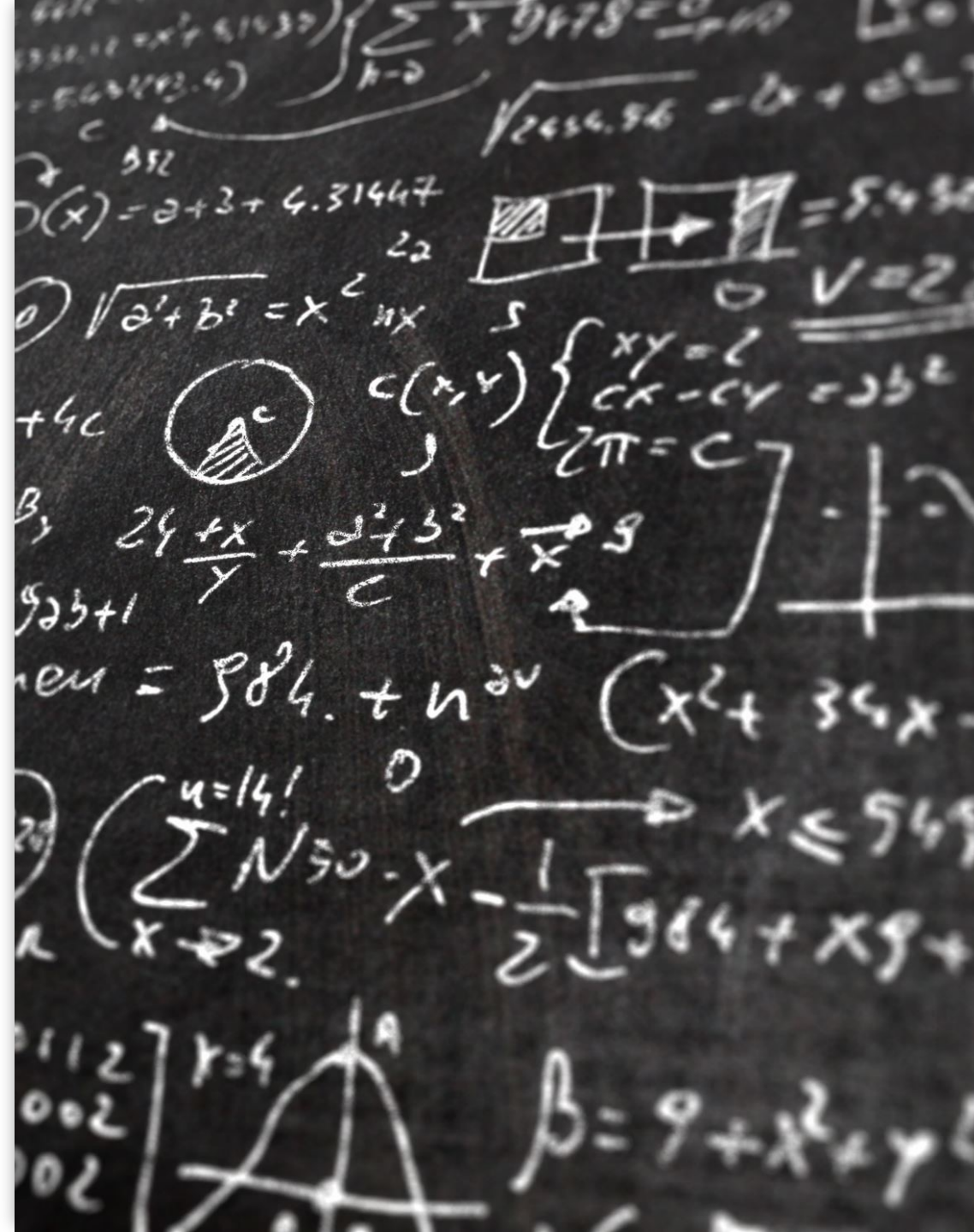
Research and
Economic Development
Division

Research Park



Innovation Asset at Research Universities

- Technology Transfer Office
- Entrepreneurship Education and Training
- Startup Incubators
- Industry Partnerships
- Research Parks
- Venture Funds



Innovation Assets at UW

- Technology Transfer Office
- Entrepreneurship Education and Training
 - Center for Entrepreneurship and Innovation
 - College of Business Programs
 - College of Engineering Programs
 - IMPACT307 Programs
 - SBDC Programs
- Startup Incubators
 - IMPACT307
 - Leased space on campus
- Industry Partnerships
- **Research Parks**
- **Venture Funds**



Research Parks

- Physical environments that can generate, attract and retain science and technology companies and talent in alignment with sponsoring university.
- Stanford has the oldest research park, established in 1951.
- Key Impacts of Research Park
 - Accelerating innovation - opportunities to grow in a dense innovation environment
 - Attracting established corporations
 - Economic Impact



Research parks and innovation districts are key economic drivers in many states across the country.



Top corporations partner with research parks and innovation districts to create corporate innovation centers.



Innovation activities result in measurable economic development successes through the incubation of emerging technology companies in research parks.*



These communities are integrated into regional innovation efforts and signature developments for creating dynamic live-work-play environments that attract high-skilled, technology professionals to a region.*



The focus on innovation is enabling these communities of innovation to demonstrate continued strong growth.

Research Park at South Dakota State University

- 2004. City of Brookings, Brookings County, State, Brookings Economic Development Corp, SDSU, SDSU Foundation
- 2006 Brookings Innovation Center
- 2009 Seed Technology Laboratory
- 2012 Brookings Innovation Center expanded
- 2023 Poet Bioproducts Center





MSU INNOVATION CAMPUS



42 acres

0.5 million sq ft space planned

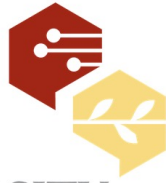
INNOVATION CAMPUS POTENTIAL LAYOUT - 545,000 SF





- Food Innovation Center
- Multiple tenants
- Community Makerspace
- Conference facility





IOWA STATE UNIVERSITY
ResearchPARK

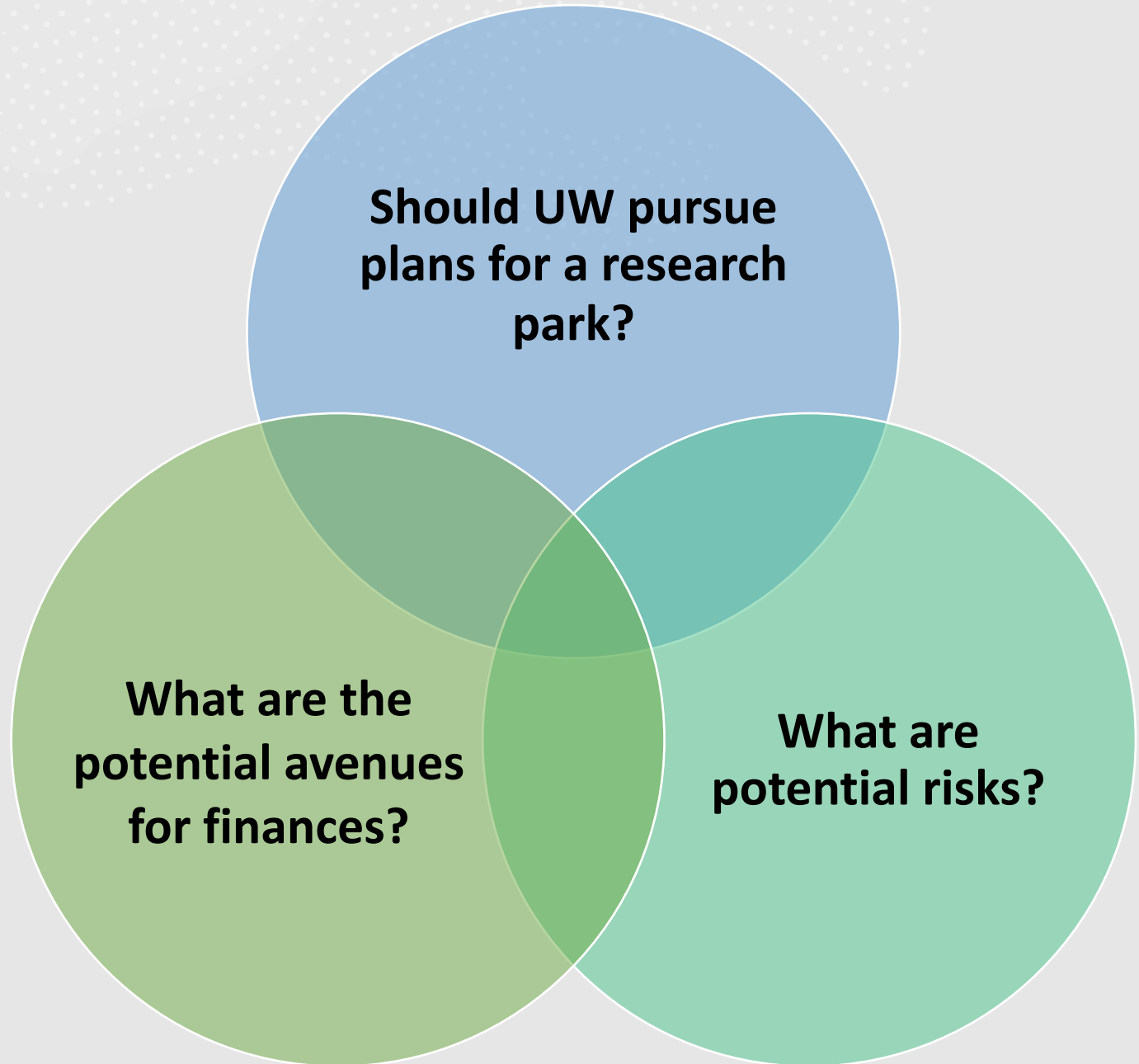
550 acres
16 Buildings
2,000 employees in over
100 companies or
organizations
300 students

a not-for-profit,
independent corporation

1987-



Discussion Topics





UIW

Research and
Economic
Development

Catalyze
Support
Leverage
Collaborate