

Research and Economic Development Committee Agenda

November 16, 2022

1:30 – 3:00 pm

Wyoming Union, Yellowstone Ballroom West

1:30 PM

1. Research and Economic Development Division update

1.1 Organizational structure of Research and Economic Development Division Chitnis

VP Chitnis will present proposed structure and will obtain feedback from the committee for efficiency, accountability, and consistency.

1.2 Update: Wyoming Innovation Partnership Farkas, Biggs

AVP Farkas will update the committee on the progress made by WIP

1.3 Update: SI annual report Chitnis, Lyford

Dr. Lyford will report annual accomplishments of SI

2:30 PM

2. Economic Development Presentations

Entrepreneurship portfolio- Impact 307 Farkas

Resono Pressure Systems Pourya Nikoueeeyan, Marvin Perry,

Dr. Jonathan Naughton

Eye to Eye Telehealth

Dr. David Smits (virtual)

AGENDA ITEM TITLE: RED Committee Meeting 1.1, Chitnis

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:

RED Committee agenda item

1.1 Organizational structure of Research and Economic Development Division Chitnis

Development Division

VP Chitnis will present proposed structure and will obtain feedback from the committee for efficiency, accountability, and consistency.

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

WHY THIS ITEM IS BEFORE THE BOARD:

To obtain feedback and advice

ACTION REQUIRED AT THIS BOARD MEETING:

None

PROPOSED MOTION:

N/A

PRESIDENT'S RECOMMENDATION:

N/A

Research and Economic Development Division

Proposed changes



Goals



To increase the breadth and size of UW's research enterprise



To foster economic development by building a vibrant innovation ecosystem across Wyoming.

Strategies



- **People:**
 - Hire sufficient staff with the right expertise
 - Increase clarity and transparency in REDD organization
- **Programs:**
 - Enhance accountability from each unit
 - Invest strategically in programs
- **Processes:**
 - Reduce administrative burdens by modernizing systems and simplifying processes
 - Establish processes for resource allocations
- **Priorities:**
 - Align REDD priorities with the state's needs, Trustees' guidance, President's strategic directions, and UW's strategic goals.



People- Staffing

Hire all positions in the budget

- All positions hired or in recruitment (except one position- greenhouse manager)
- Associate Vice President for Research
- More hires in IP and Tech Transfer as per strategic needs

Identify gaps

- Grant Development
- Communication
- Corporate Relations

Current Organization (Org) value for use in the University's chart of accounts (COA)

Division	Subdivision	Unit	Department	Code	Description
Research & Economic Development Division	Research & Economic Development Subdivision	Research & Economic Development Unit	Research & Economic Development Department	13402	Wyoming Survey & Analysis Center
				40006	Research Computing Support
				70001	VP for Research & Economic Development Office
				70002	UW National Park Research
				70003	Office of Research
				70005	Research Products Center
				70006	Small Business Development Center
				70007	Manufacturing Works
				70008	Wyo Natural Diversity Database
				70009	EPSCoR
				70010	IMPACT 307
				70011	Biodiversity Institute
				70012	Wyoming Public Media
				70013	Science Initiative
				70015	INBRE Program
				70016	Institute of Innovation and Entrepreneurship
				70017	Core Research Facilities



People: Organization

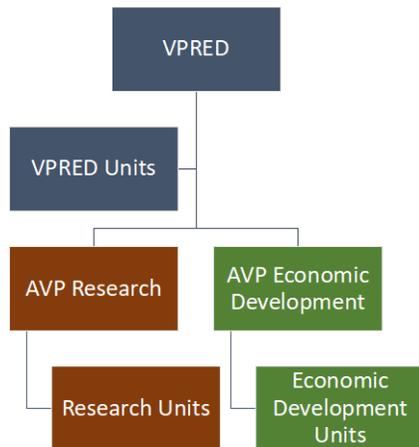
Research and Economic Development Division

Two AVPs were not reflected

There is no hierarchical organization

Some units are missing

Some units have changed their names



Programs- Accountability

Research and Economic Development Units

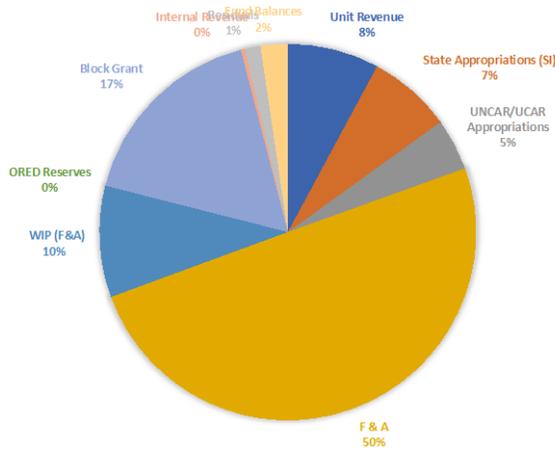
- **Accountability and ROI analysis**

Strategies

- Seed funding
- Matching Funds
- Start up funds
- Resources and services
- Start up challenges
- Incubator spaces

Coordination, Policies, and Processes are needed

FY23 Budget- \$17.7 million (+ Direct costs for REDD projects)

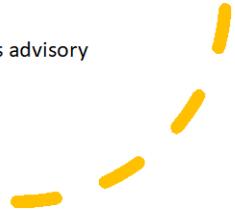


Accountability
Net costs to REDD

**Wyoming
EPSCoR**

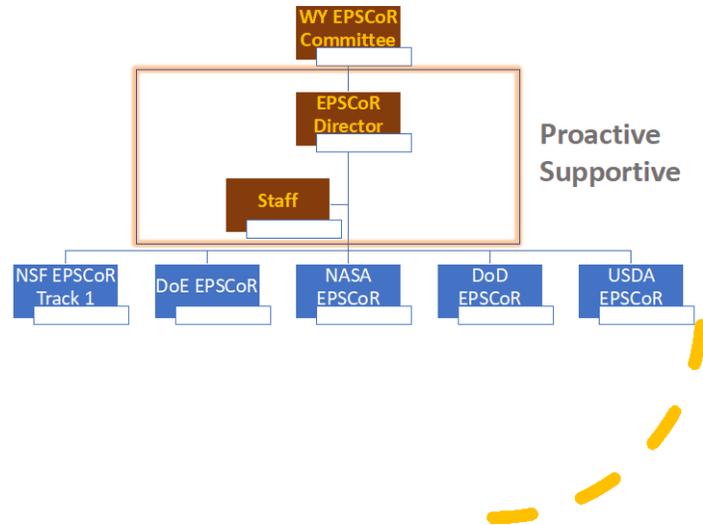
FY2023
\$466K investments
\$0 return

- **Why change?**
 - Current office primarily serves NSF Track 1 project
 - Perceived COI
 - Other EPSCoR opportunities (NASA, DoE, DoD, USDA) need support
 - EPSCoR committee can span entire disciplinary spectrum
 - Increased risk of audit failure- NSF requires only 20% match – no more or less.
- **Proposed Change**
 - WY EPSCoR office serves all – NSF all tracks, NASA, DoE, DoD, USDA
 - WY EPSCoR Committee- broad and inclusive
 - May have a subcommittee that serves as advisory committee to the Track 1





Wyoming EPSCoR Office



Biodiversity Institute

FY2022
\$667K investments
\$0 return

Why Change?

- Focused on public engagement- no research, economic development or formal education
- Significant investments from indirect cost returns
- Some income from private fund-raising, but only for programs

Options

- Move back to Haub School
- Operationally combine with WY Natural Diversity Database
- Reduced to minimum level as a web-based gateway to biodiversity resources on campus



Biodiversity Institute to Haub

Costs

- Efficiencies gained
- Education and research to generate revenues

Transition

- Some positions moved to REDD
- Others to Haub, funded initially by REDD

AGENDA ITEM TITLE: RED Committee Meeting 1.2, Farkas, Biggs

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:

RED Committee agenda item

1.2 Update: Wyoming Innovation Partnership (WIP) Farkas, Biggs

AVP Farkas will update the committee on the progress made by WIP

- WIP Activity to-date
- Success Stories
- Key initiative updates

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

WHY THIS ITEM IS BEFORE THE BOARD:

ACTION REQUIRED AT THIS BOARD MEETING:

None

PROPOSED MOTION:

N/A

PRESIDENT'S RECOMMENDATION:

N/A

AGENDA ITEM TITLE: RED Committee Meeting 1.3, Lyford

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:

RED Committee agenda item

1.3 Update: SI annual report

Lyford

Dr. Lyford will report annual accomplishments of SI

See separately provided annual report of the SI programs

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

WHY THIS ITEM IS BEFORE THE BOARD:

Informational

ACTION REQUIRED AT THIS BOARD MEETING:

None

PROPOSED MOTION:

N/A

PRESIDENT'S RECOMMENDATION:

N/A

AGENDA ITEM TITLE: RED Committee Meeting 2, Economic Development

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:

RED Committee agenda item

2.Economic Development Presentations

Entrepreneurship portfolio- Impact 307

Resono Pressure Systems

Eye to Eye Telehealth

Farkas

Pourya Nikoueeayan, Marvin Perry, Dr.

Jonathan Naughton

Dr. David Smits (virtual)

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

WHY THIS ITEM IS BEFORE THE BOARD:

Informational

ACTION REQUIRED AT THIS BOARD MEETING:

None

PROPOSED MOTION:

N/A

PRESIDENT'S RECOMMENDATION:

N/A

Economic Development Presentations - Farkas

- Entrepreneurship portfolio
 - (2) Impact 307 clients will provide business overview and insights into how the IMPACT 307 team has supported their business growth to-date
- **Resono Pressure Systems**
 - Resono Pressure Systems: From wind tunnel to field test applications carried out by academic, industrial, and government research laboratories. Resono provides accurate and robust unsteady pressure measurement solutions. Resono has been in the IMPACT 307 building for 5 years. IMPACT 307 has worked with the company since their inception. Resono continues to receive grant funding and work on highly technical projects. Most recently Resono is in process of bidding on large contracts to include Boeing and other private firms.
 - Key contacts:
 - Pourya Nikoueeeyan
 - Marvin Perry
 - Dr. Johnathan Naughton
- **Eye to Eye Telehealth**
 - Eye To Eye Telehealth Inc. is an eyecare-focused medical device company modernizing glaucoma management through telemedicine. Our mission is to create innovative technology that brings eyecare into the patient's home, while enabling physicians to meet the growing demands of an expanding patient population. Since winning seed funding from IMPACT 307's "SEWYIL" event in 2022, the company has been busy hiring an intern through UW's INBRE program and working closely with UW's Health & Bioscience Innovation Hub (HBI HUB). Since October, the company has been introduced to Manufacturing Works. IMPACT 307 is currently developing a plan to accommodate an office in IMPACT 307's new Cheyenne/LCCC location.
 - Key contacts:
 - Dr. David Smits
 - Preston Smits