### Restructuring UW for Wyoming's Future

Edward Seidel, President, University of Wyoming

Proposal to the UW Board of Trustees July 14, 2021



### Objectives of today's discussion

- Motivation and overview for today's discussion
- State of Wyoming opportunities and challenges (Alexander)
- Wyoming Innovation Partnership (WIP)
  - —What is WIP? Why now?
  - What WIP will do aspirations, pillars, and strategic initiatives – and UW Role (Shader/Allen, Farkas, Koprowski/Godby)
- Strategy and proposed 2-13 action plan for UW (Carman)
- UW Foundation: Fully Aligned with Proposed Plans (Blalock)





### Motivation and Overview

Ed Seidel

UW is at an inflection point

### Global and WY Job Landscape Changing By 2030...when today's high school freshmen graduate



Creativity and higher cognitive (9% growth)

#### Many other jobs in significant decline

• Office, mechanical, extraction, etc



Energy transition and efficiency

20M global jobs created by 2030



### Higher education is changing

UW MUST embrace these trends! (But hasn't yet...)

#### B.S. Enrollment: growing at half the rate of last decade

• UW will have to compete (and brand ourselves) much more effectively to attract students

#### **Digital Impact**

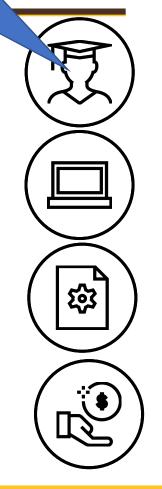
- Distance learning growing at 4% annually (2012-2018)
- Computing programs growing at 10% per year, faster than all other programs
- Universities cannot hire enough faculty to keep up with demand

#### State budgets declining precipitously

• UW state budgets down more than 1/3 in decade

#### Federal and non-federal R&D growing rapidly, also more competitive

• Universities rapidly diversifying revenue to federal, corporate, philanthropic sources





### Students and States Changing Expectations Demand More...

- Students expect us to provide 21<sup>st</sup> century skills for new careers
  - More digital, inclusive, interdisciplinary, entrepreneurial...
- States expect universities to be engines for innovation and economic development
  - Help grow existing markets, grow new ones, attract companies

Georgia Tech's Technology Square Phase III







The New Age of Innovation

MIT Skoltech Initiative

of the Skolkovo Institute of Science and Technology

NIVERSIT

**PIVOT CENTER** ARTNERS FOR INNOVATION, VENTURES, OUTREACH & TECHNOLOGY



### UW is on unsustainable path...

### Incremental change not sufficient...

## UW Board of Trustees has asked me to budget shortfalls and present plan for UW...

**Proposing major restructuring of UW for future...** 



### Goals of Proposed Restructuring

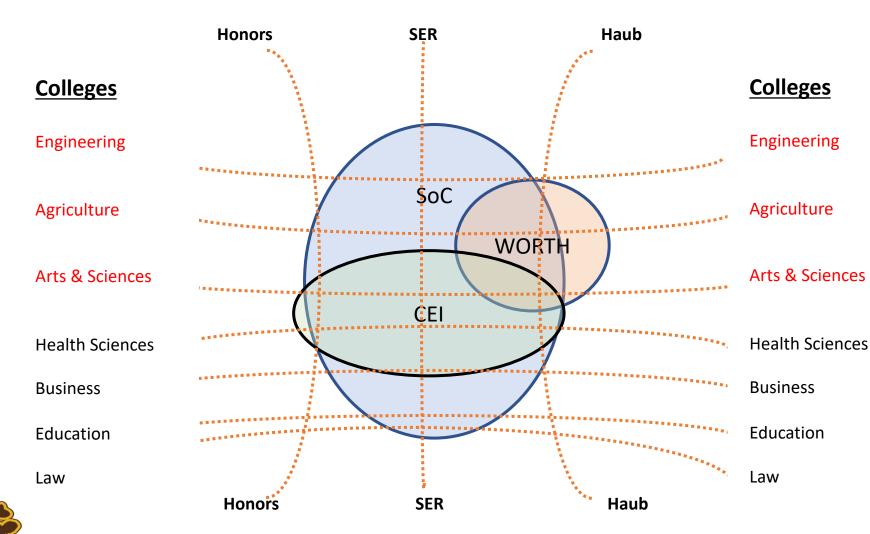
#### **Position UW for future**

- Enhance student experience and prepare for success of WY
  - Provide what students expect and deserve and what state needs
- Diversify and grow revenue streams
  - NSF, DOE, NIH, Commerce growing dramatically; UW not prepared
  - Corporate partnerships support students and help cover costs
- Better engine for innovation and economic development
  - UW college restructuring, new programs contribute to economy
- Cannot do it alone: Partnerships with community colleges
  - Wyoming Innovation Partnership (formerly WIN)

#### Respond to budget cuts

- Eliminate, consolidate programs
- Create smaller number of critical mass units with greater efficiencies
- Propose new units with sharper focus for future growth

### Preview of New UW Proposed Structure



- Student success
- Program Growth
  - Revenue enhancement
  - Carnegie R1, Engaged Status
- Better Efficiencies
- Economic Impact



### State of Wyoming: Key Specific Opportunities and Challenges facing WY

Vice Provost, Strategic Planning Anne Alexander



Challenges in the global & higher ed landscape are also aimed squarely at Wyoming. We can't assume they don't affect us. But, Wyoming has a strong heritage and foundation to build from.





Entrepreneurial & pioneering spirit



Fierce pride & independence



Strong, hardworking communities



Natural beauty and outdoor recreation

# Summary of economic opportunities and challenges for Wyoming





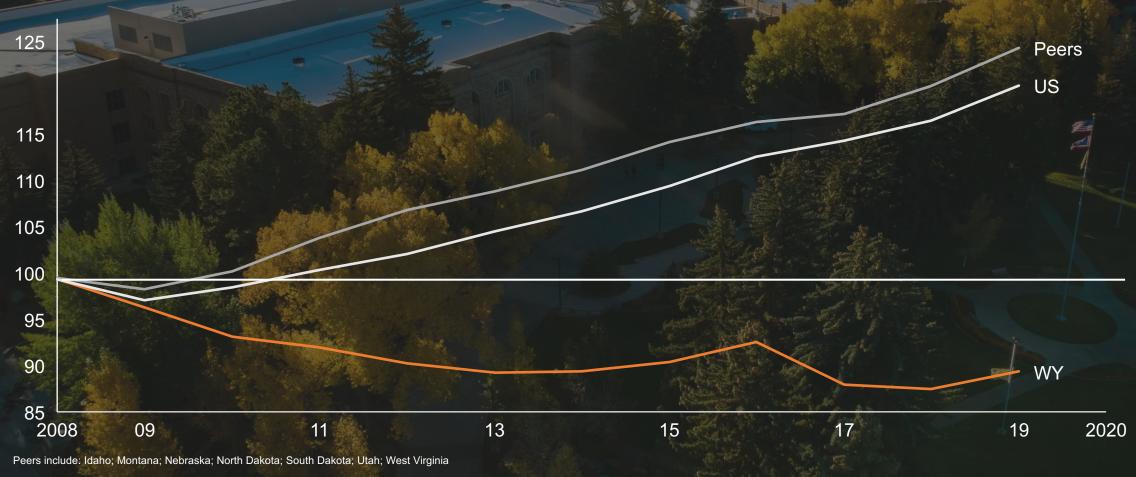


Still recovering from the 2008 Great Recession 70% of UW grads leave Wyoming

Core economic sectors are facing disruption 7<sup>th</sup> nationally in rate of entrepreneurs, but 50<sup>th</sup> in academic and business R&D Outdoor recreation and the rise of remote work

### Wyoming is still recovering from the 2008 Great Recession

Real GDP, Indexed to 2008



Source: Moody's Analytics

#### 70%+ of UW grads leave the state; greatly lagging regional peers

#### Percent of graduates that remain in-state after graduation<sup>1</sup> Percent of profiles

Utah	45 44		
Nebraska			
Idaho	42		
South Dakota		39	
Montana		38	
North Dakota	31		A CONTRACTOR OF STATE AND A CONTRACT OF
Wyoming	28		
West Virginia	19	and the state	

1. Of all job-seekers with an online profile between 2000-2021, percentage that remain in same state as institution at which they completed their degree for all degree programs and all award levels above Associate's

### Wyoming's core sectors are facing disruption

#### Energy

Nuclear, wind, & solar Blue & green hydrogen Carbon capture Innovation in other fuels Agriculture Innovative food Farm Robotics Soil microbiome **Tourism & Hospitality** Remote work Sustainable up-value tourism

### Our innovation pipeline – the flywheel that drives jobs and development and keeps our students here – is weak

Idea generation / R&D

Commercialization

Start-up and company growth

Faculty, staff, students' creations and ideas are strong – institutional support for them is weak

Anemic UW system of IP support and tech transfer support Those 250 students leave WY after graduation

#### **Innovation pipeline is weak**

#### **University/ Industry driven innovation**

# 1-10 # 11-20 # 21-30 # 31-40 # 41-50

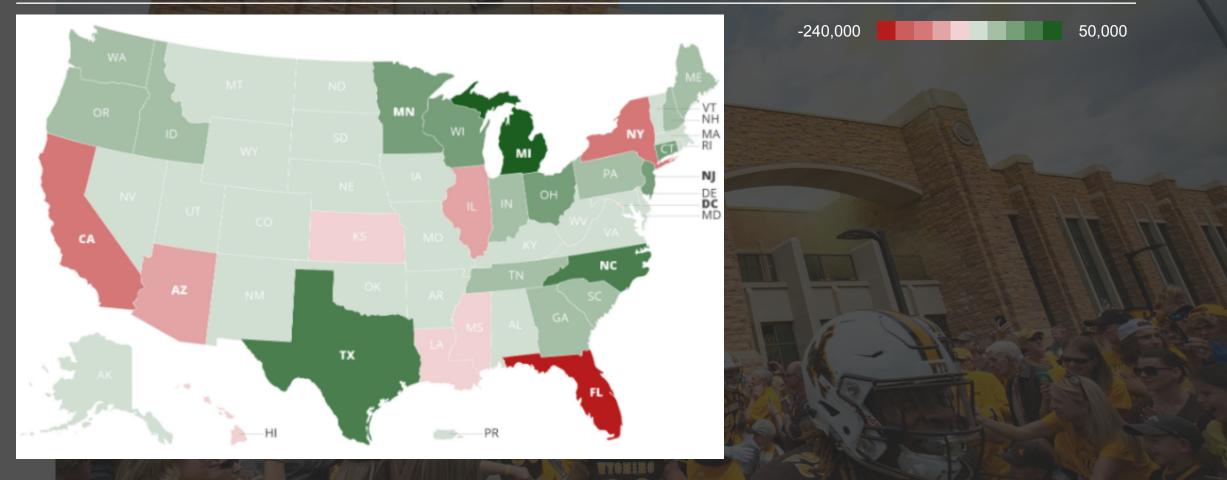
Idea generation / R&D	Commercialization	Start-up and company growth
Academic science/engineering R&D, percent of GDP 2019	Patents per 1 million 36th people	Rate of new entrepreneurs <sup>1</sup> 2019
Business R&D as % of private industry output 2018	Small Business Innovation Research /Technology Transfer, per \$1m GDP 2019	5-year business survival rate 2018

1. Rate of 'new entrepreneurs' refers to the percent of the total number of new entrepreneurs who were not unemployed and not looking for a job as they started the new business

Source: US Patents and Trademarks Office (USPTO), National Science Foundation (NSF), Kauffman Indicators of Entrepreneurship, Moody's Analytics, PitchBook

#### Wyoming's outdoor recreation and the rise of remote work

#### States that Gained and Lost Movers During Coronavirus<sup>1</sup>, Feb - July 2020, Net movers

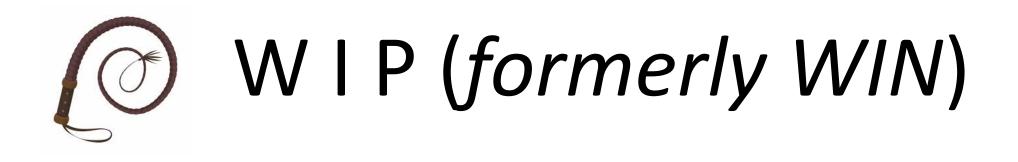


1. Data pulled form total USPS change-of-address requests filed between Feb. 1, 2020 and July 31, 2020. To calculate the data, we took the total number of moves to each state and subtracted the total number of moves from it

Source: US Postal Service, MyMove "Coronavirus Moving Study: People Left Big Cities, Temporary Moves Spiked in First 6 Months of COVID-19 Pandemic," Oct. 2020

#### UW's role

Must pivot the academic portfolio and deeply rethink essential learning outcomes and student success support. Must invest in the flywheel of innovation to create opportunities for graduates to stay in Wyoming.



### Wyoming Innovation Partnership

Why WIP, What is it? Why Now?

Ed Seidel



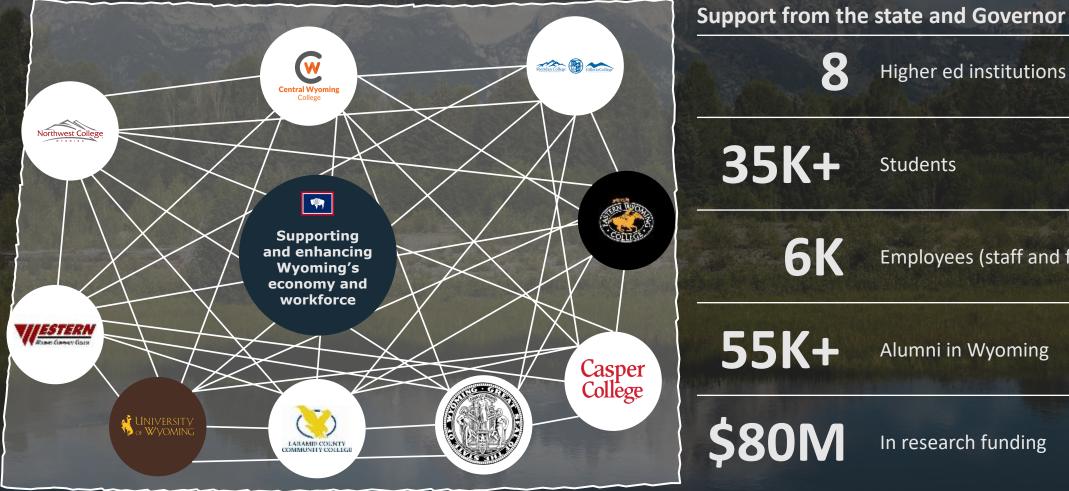


- Students come from entire state
  - Many from community colleges
  - About 6K per year
- Responsibility to prepare all for careers in this new world
- Align all Higher Ed (UW and CCs)
  - Better prepare our students
  - Stronger pipeline & enrollment
- Together we can better support WY economy
  - Develop joint programs targeted to grow key job future markets
  - Grow opportunities at home



### Wyoming Innovation Partnership

 Address these trends to strengthen and grow Wyoming's economy to enable a more resilient tax base, create more better opportunities for WY students



Higher ed institutions

Students

Employees (staff and faculty)

Alumni in Wyoming

#### In research funding

### Why WIP and why now?

WIP can start the "flywheel" for the Wyoming economy...



Talent production



Idea generation (R&D, commercialization)



Corporate partnerships



Support for SMBs and Entrepreneurs ...with key partners in Wyoming...



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State of Wyoming

Industry partners



Schools

...capitalizing on near-term federal funding

\$1B+

American Rescue Plan \$126M requested for WIP; additional for UW

\$80B+

Expected in the U.S. Innovation and Competition Act Research and commercialization

#### U.S. Innovation and Competition Act Historic Shift in Federal Funding Ecosystem

#### **Major proposed authorizations**



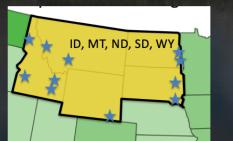
National Science Foundation Directorate for Technology and Innovation

\$52B+

National Science Foundation Non-Applied Technology

#### \$13B+

Commerce Department R&D Capacity Funding



10 "technology focus areas" for NSF

- 1. Artificial intelligence and machine learning
- 2. High-performance computing, semiconductors, advanced hardware and software
- 3. Quantum information science and technology
- 4. Robotics, automation, and advanced manufacturing
- 5. Natural disaster prevention or mitigation
- 6. Advanced communications technology
- 7. Biotechnology, medical tech, genomics, and synthetic biology
- 8. Data storage and management, including cybersecurity
- 9. Advanced energy and nuclear technologies
- 10. Advanced materials science

### UW will build from an incredible foundation



Seven colleges, SER, Haub, and Honors



**Tier I Engineering** 



High Bay Research Facility

Enzi STEM Building, Engineering Building, and Science Building



Energy Innovation Center



Partnership with NCAR Supercomputing Center



Science Initiative



Growth and innovation ecosystem

- Impact 307
  - Makerspaces



AMK Ranch

\$\$ ) UW Foundation \$750M+ Endowment

Incredible alumni and business leaders, across the UW Board of Trustees, the UW Foundation Board, and the community, who are ready to be champions

### WIP Supports Wyoming's Economic Sectors

#### Prioritized focus for WIP / UW in the near-term





Fossil fuel innovation (carbon capture and storage, blue hydrogen)



Agriculture-tech

Oil & Gas

production



Renewable energy (nuclear, wind, solar, renewable natural gas, green hydrogen)

#### New programs proposed at UW and WIP



Entrepreneurship and building new economy



Hospitality and tourism



Computing / digital applications across sectors



Healthcare

### What WIP Will Do

Specific strategic Initiatives

Ed Seidel, John Koprowski, Bryan Shader, Gabrielle Allen, Steve Farkas

#### What we are trying to achieve: WIP's aspiration by 2030

Strengthen and grow Wyoming's economy to enable a more resilient tax base, and to create more and better opportunities for Wyomingites *in Wyoming* 

New businesses are started and supported **1K** New businesses supported by WIP

New jobs are created across key industries

7-10K New jobs created across key industries

Displaced Wyomingites are reskilled and transitioned to new jobs

**2K** Wyomingites reskilled and transitioned to new jobs

More UW graduates stay in WY

**35%** College graduate retention (240 more young people staying in WY each year; current retention rate: 28%)

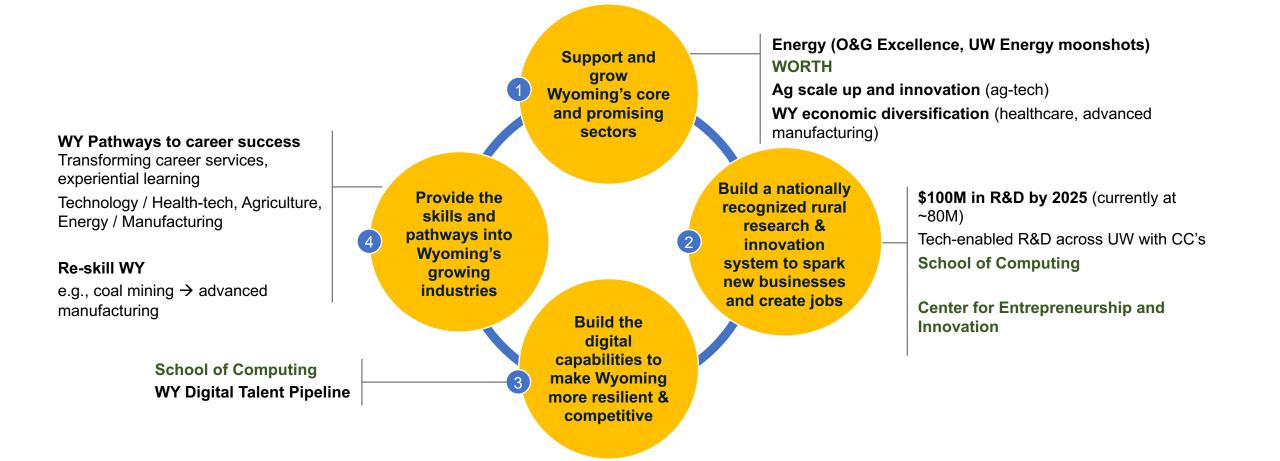
All WIP graduates armed with digital skills for future economy 100%

UW has increased annual R&D

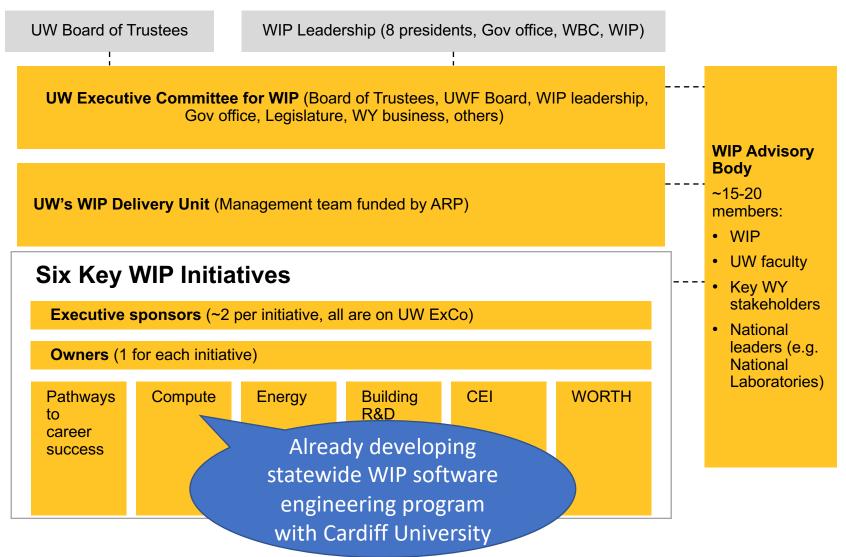
**\$200M** in additional yearly R&D spending by 2030 (\$100M additional by 2025)



#### How we will achieve aspirations: WIP's strategies & initiatives



### Opportunity for BoT and Community Execution Plan for UW-led WIP Initiatives



#### Key WY stakeholders to engage throughout

- Governor / Governor's office
- UW Foundation Board
- Wyoming Business Council
- WY business and community leaders
- Policymakers / Legislature
- Economic Development Organizations / Councils

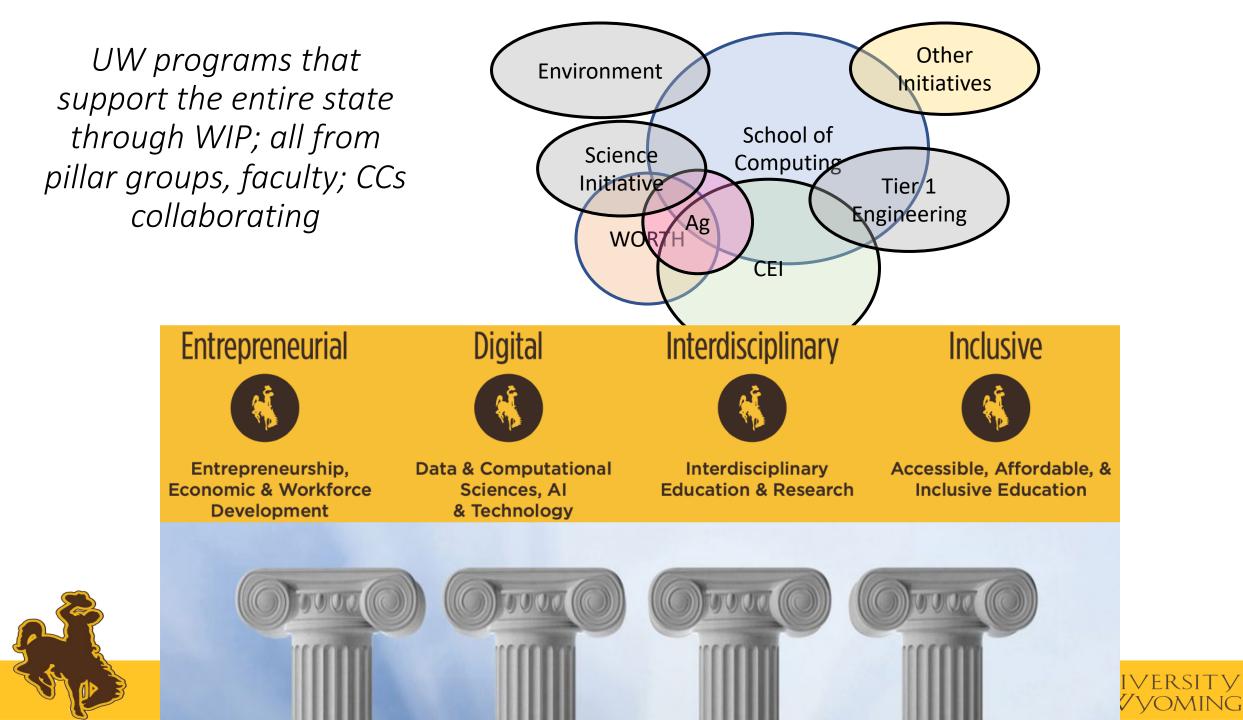


# Three Specific UW Initiatives that will Support WIP

Deans John Koprowski, Rob Godby

Profs Bryan Shader, Gabrielle Allen

Assistant VP Economic Development and Innovation Steve Farkas, Dean Rob Godby





### Why a SoC?

Do I have enough computing experience to get the job I want?

> My friends at other universities know much more about computing than I do.

For our students! All disciplines, all industries, all aspects of society need computing. I took a basic programming class as a freshman, I didn't realize I would need more.

No one advised me on taking more computing classes or getting more computing experiences.



#### Why a SoC? To prepare all students for 21<sup>st</sup> century careers



Natural disaster response





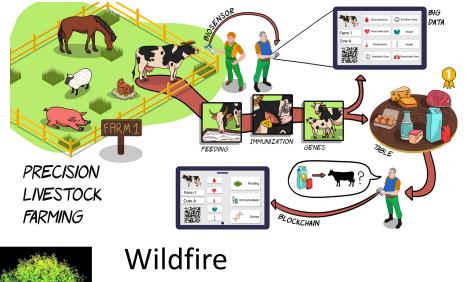
### Why a SoC?

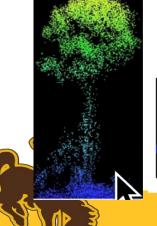
- "Computing"/Digital Literacy crucial tool for our all students, all research, all economy sectors
  - UW needs a critical mass across all disciplines!
- New data science technologies (AI/ML, blockchain) transforming every academic discipline, industry, and aspect of society
- Access to world-class professors, research, infrastructure, training critical for Wyoming
- There are strategic areas where Wyoming can lead!



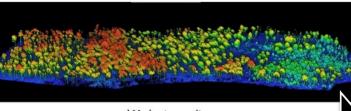
#### Why a SoC?

#### For Wyoming Workforce & **Economic Development**

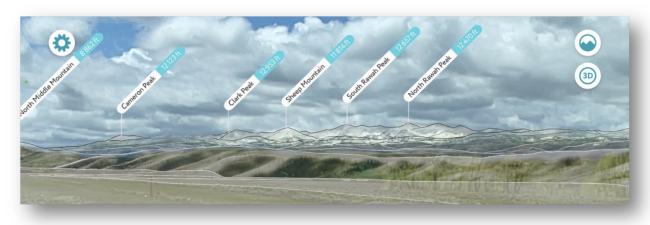








c) Moderate severity



#### **Smart Tourism**



#### Smart Materials & 3D Printing



Al for resource management



#### Why a SoC?

To empower data and computational research driven by applications of Wyoming interest

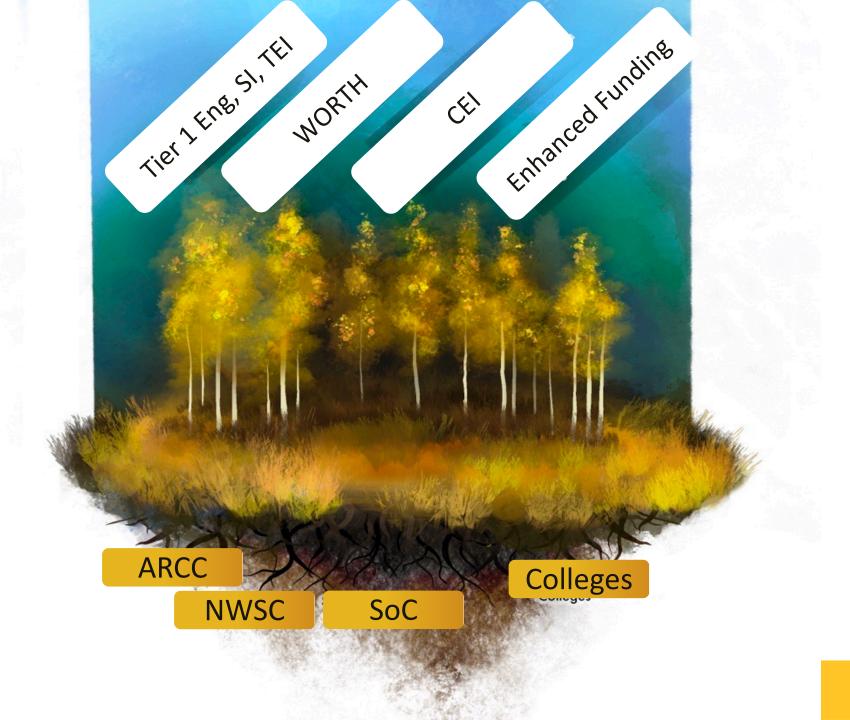
#### Wildfire Management & Healthy Forests

#### Computing Opportunities:

- Predictive fire models. Where to send fire fighters, stage equipment, when to evacuate.
- Research models to understand e.g. weather-fire interactions, fire-urban border behavior.
- Diverse data remote sensing, environmental data, population, wildlife, transport, etc.
- Climate & regional weather models, snowpack models to predict future wildfire risk, mitigations
- Modeling wildfire/forest management CO2 impact
- Visualization of wildfires to educate policy makers
- Multispectral sensors and image detection to quickly detect potential fires, drones to address hazard.
- Basic computing research: numerical algorithms, virtual reality visualization, data and AI.

#### Why a SoC?

To act as a force multiplier for past and current investments, and to position for partnerships and funding opportunities.



### Plans Informed by Other SoCs



### UW's Vision for a SoC

"... create a unique and inspirational School of Computing (SoC) with national impact and global reach, providing Wyoming and the world with agile and ethical computing professionals, empowered to address societal challenges that are inherently interdisciplinary"

#### University of Wyoming School of Computing Preliminary Plan May 2021

#### 0. Preamble

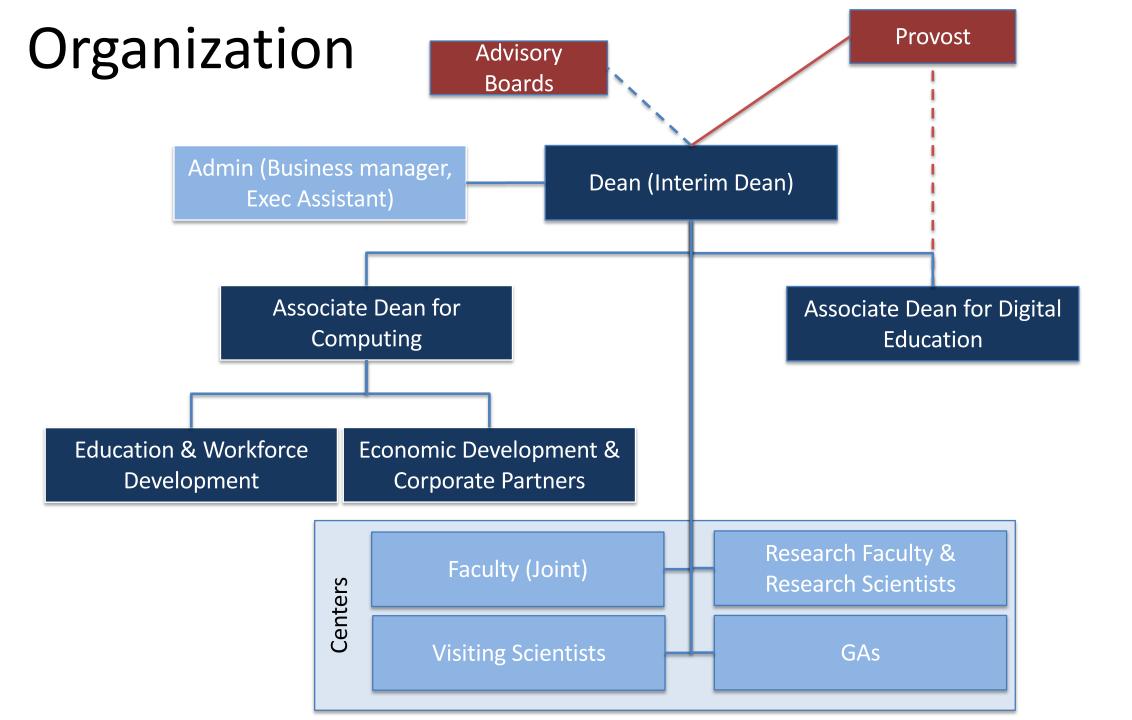
To accomplish the overarching goal of building UW into a "best-in-class 21st century land grant university true to its Wyoming roots," four focused goals have been identified: make UW more digital, make UW more interdisciplinary, make UW more entrepreneurial, and make UW more inclusive [2]. Central to the goal of making UW more digital is the establishment a School of Computing (SoC),

This preliminary report, prepared at the request of Provost Alexander and President Seidel, explores the programs, infrastructure and organizational structures needed to build out a School of Computing that transforms research and education at UW, while accelerating UWs role as an economic development engine.

A list of people involved in the writing of the document is provided in Appendix A. The Digital Pillar report, which describes all aspects of making UW more digital, can be found in [6]. For inquiries or comments about the School of Computing please e-mail SoC@uwyo.edu.

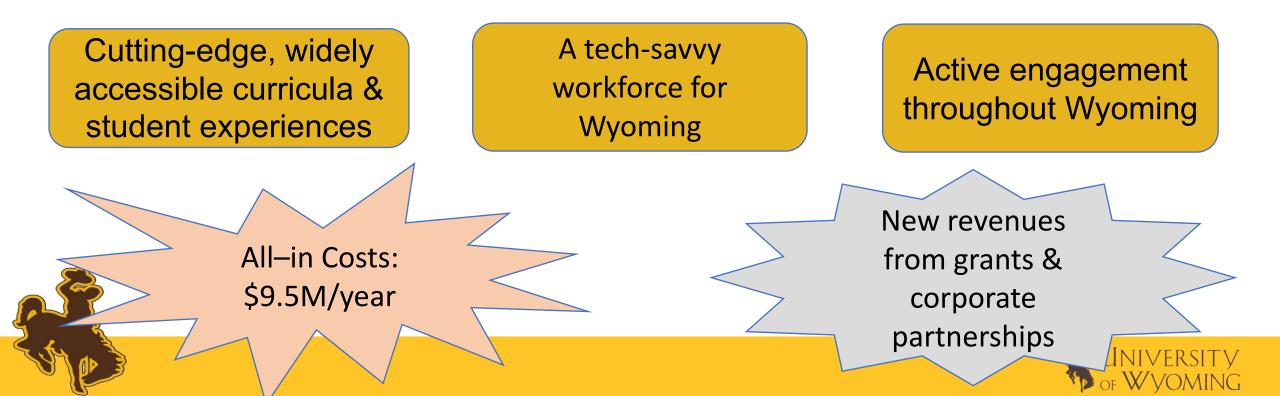


The School of Computing is designed to strategically mesh together existing resources and initiatives, the other pillars (more inclusive, more interdisciplinary, and more entrepreneurial), UW's existing strengths in research and teaching, and partnerships throughout UW and across Wyoming, into a system that drives UW to its vision of becoming a best in-class university true to Wyoming's roots.



### **Initial Outcomes**

World-class team of faculty (12) and research scientists (8) Impactful research on Wyoming's Grand Challenges Increased funding and corporate partnerships



### **Implementation Timeline**

Phase 0: 3-6 months (1/22)

Establish mission, values, structure and metrics. Phase 1: Years 1 and 2

Recruit

**Develop undergrad curricula** 

**Establish partnerships** 

**Raise funds for Phase 2** 

**Commence operational programs!** 

Phase 2: Years 3-5 Secure funding & partnerships

Expand faculty & research staff

Expand acad. Programs

Catalyze research across UW



# Center for entrepreneurship & Innovation (CEI)

**Steve Farkas** 

7-14-21

Wyoming Board of Trustees Retreat

Torrington, WY

#### Why CEI is Needed

- Capacity:
  - UW has invested in significant educational capacity to support workforce needs in the 21<sup>st</sup> Century
- Entrepreneurship and Innovation:
  - SoC, WORTH and CEI initiatives utilize this capacity to drive innovation across state's priority economic sectors in addition to catalyzing new business creation
- Impact
  - Focus on supporting state-wide economic development and new job creation through
    - Creation of knowledge
    - Connecting opportunity to networks
    - *Execute* new ideas by creating meaningful business activity that provides our graduates with opportunities in Wyoming



#### **CEI** Objectives

- The CEI serves as the coordinating entity to facilitate entrepreneurship and innovation activities across UW and Wyoming's community colleges in collaboration with proposed UW School of Computing, WORTH, and the Wyoming Innovation Partnership (WIP)
- State-wide interdisciplinary integrator for programs that have potential for supporting the state's priority economic sectors in addition to activating new business sectors and supporting state workforce objectives





#### Considerations...

- Clearly understood, efficient, and easy to engage (internal and external)
- Centralized coordination centerpiece for student experience
  - Business Resource Network (BRN)
  - State-wide ecosystem = business success rate
- Increase innovation and economic development capacity
  - Support Tier 1, Science Initiative, TEI, School of Computing, WORTH
- Other:
  - Statewide resource for Wyoming Innovation Partnership (WIP)
  - Supports new business creation + existing business communities
  - Industry partners program
  - Activates access to capital networks



Economic Development, Innovation, and Corporate Partner<u>ships</u>

Corporate Partnerships State-wide Economic Development Collaborations Center for Entrepreneurship and Innovation (CEI)

- Hub for Entrepreneurship Education and Research

- Interdisciplinary Innovation Hubs

- Economic Development Hub UW Venture Fund Wyoming Innovation Partnership (WIP)

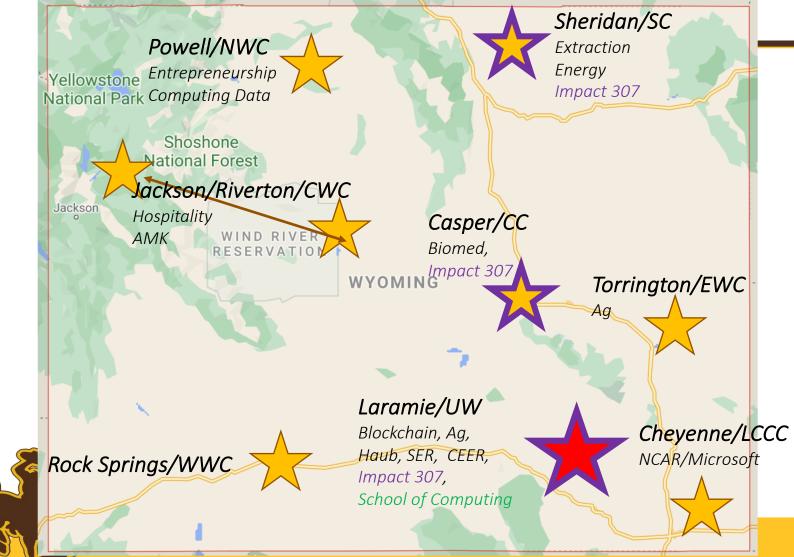


#### Innovation Hubs

- State-wide network
  - UW and CC collaboration, best practices
  - Connect world-class research and talent with industry partners
  - Solve important challenges
- Drive innovation, economic development and workforce development
- IMPACT 307 + CC
  - Incubators, labs
  - Innovation enabled classrooms, co-working space, etc.
  - Destination for innovation activities



# WIN Hubs in Wyoming: CEI Supports All Entrepreneurship and Computing/Data Across all Hubs



<u>Educational Assets</u> K-12, CCs, UW, Extension

#### Partnerships to build capacity

Wales/Wyoming, National Labs,, AI/Blockchain Consortium

<u>Incubators</u> C&D/Tech, Entrepreneurship everywhere Themes as appropriate

<u>Venture Capital</u> Funds, Networks Needed

Assets to Build on BRN, Impact 307 Hubs, EDA Virtual Network, many others



#### Work Underway...

- Existing Interdisciplinary Fra
  - Center for Entrepreneurship Ec.
  - Entrepreneurship Minor
  - Ellbogen 50K, Fisher Innovation Lau
- E2 (Entrepreneurship Essentials) collaboration with CWC
  - State-wide collaboration to deliver entrepreneurial education
- IMPACT 307 EDA Grant
- UW Venture Fund
- ARP Funding Request

WIP Presidential Steering Group working to build on these and other assets across the state...



#### Proposed Investments Faculty & Staff Support for All

- Training in entrepreneurship for all students at UW and CCs
  - Courses, seminars, etc.
  - Bootcamps and other applied learning opportunities
  - Associate degrees, Bachelor's degrees, minors, concentrations, certificates, etc.
  - Proposed Center Director + Academic Coordinator
- Coordinated state-wide mentoring network
  - Alumni, associations, special interest groups, businesses, etc.
  - Web based mentor connection platform
- State-wide business incubators, lab spaces, and innovation learning hubs
  - UW and CC facilities retrofit and upgrades
  - Technology updates/upgrades to connect WIN partners
- Innovation workshops, student projects, business/corporate engagement
  - **Corporate Relations Office**



#### Measured Outcomes

- New business starts
- Existing business growth
- Business recruitment
- New job creation Wyoming graduate retention
- Increased access to capital
- Sponsored projects and research
  - Research Park
- New and enhanced industry partnerships









College of Agriculture and Natural Resources

#### **UW Board of Trustees**





### Why the WORTH Center? Supporting our #2 Economic Driver



#### 2019 - Wyoming

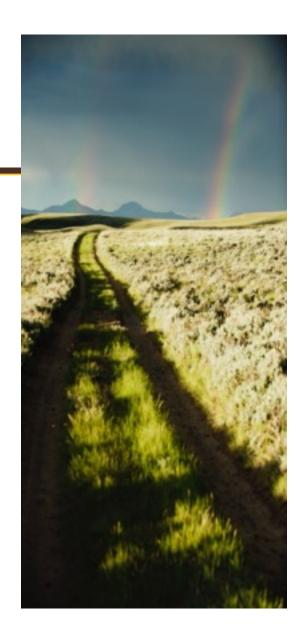
#### **Outdoor Recreation Satellite Account (ORSA)**

Value Added (GDP)		Employment		Compensation	
ORSA Total	Share of State	ORSA Total	Share of State	ORSA Total	Share of State
\$1.7 Billion	4.2%	21,344 Jobs	5.2%	\$0.8 Billion	4.1%
5th in US (tied with ME)		2nd in US	2nd in US (tied with N		



### Vision

- An expanded, diversified and more resilient Wyoming economy
- WORTH industries thriving and growing
- Leaders and innovators nationally in applied research, professional development, and outreach to this sector







#### Needs that WORTH Addresses

- Lack of diverse educational products and professional development
- Lack of state-wide outreach and extension
- Lack of targeted, applied research
- Resource impacts with increased visitation and use

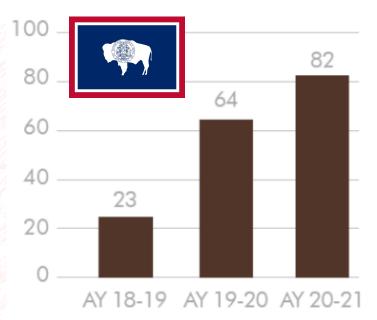
For WORTH related industries



#### Builds on a strong foundation...

- Rapidly growing BS in ORTM
- New minor in Hospitality
- New BS in Ranch Management
- Strong Cooperative Extension
- Burgeoning on-line capacity

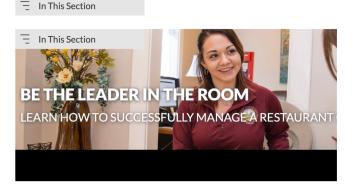
#### BS in ORTM Rapid growth in Majors





#### WIP & Community College Partners





HOTEL & RESTAURANT MANAGEMENT

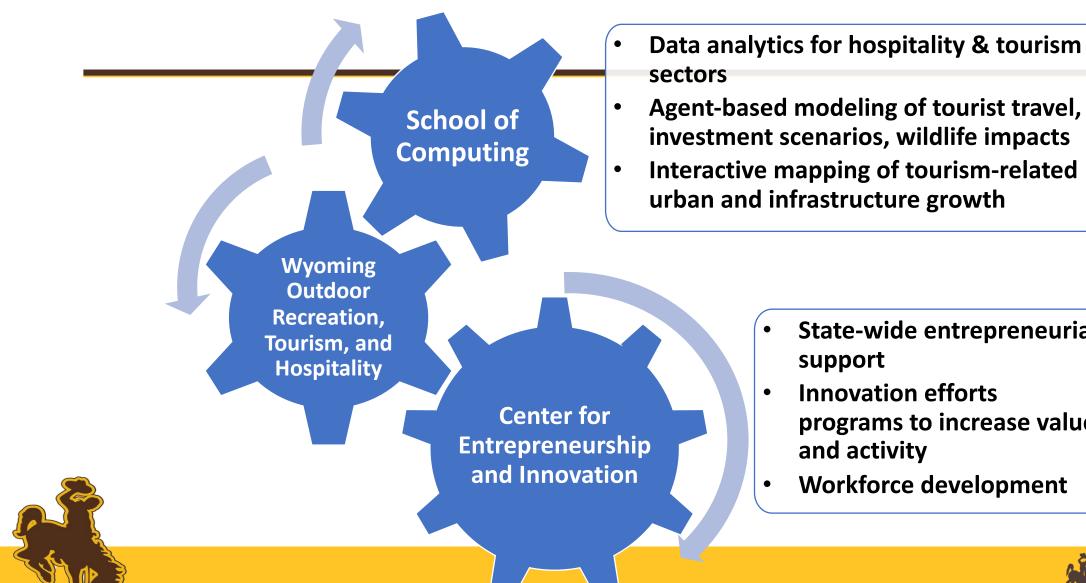








Western hospitality writ large...from the arts, culture, history, industry, innovation, outdoor recreation, wild & working landscapes



- Agent-based modeling of tourist travel, investment scenarios, wildlife impacts
- Interactive mapping of tourism-related

- **State-wide entrepreneurial**
- programs to increase value
- Workforce development



#### The WORTH Initiative-What will it be?



- ✓ Academic degrees/partners expanded – BA/BS Hospitality
- ✓ Certificates & continuing ed
- ✓ On-line/distance learning
- ✓ Student experiences



- ✓ Extension agents
- $\checkmark\,$  Assistance for state
- ✓ Economic analyses
- ✓ Student internships



- ✓ Applied ? driven research/survey
- ✓ Data-informed decisions
- ✓ Graduate student research
- ✓ Student internships



**Economic Impact: Expanded ORTH Industry & Workforce** 



### Making a difference...

uianeach church

## UW Restructuring Plan

Provost and Executive VP Kevin Carman



#### Restructuring Academic Programs at UW

- Necessary budget cuts
- Broader thinking about UW structure
  - Synergism among disciplines within Colleges
  - Interdisciplinary programs that transcend departments/colleges
    - School of Computing
  - Efficiencies of department size
    - Reduced # of department heads
  - Program eliminations
  - Impact on Faculty & Staff





#### Budget challenge

ltem	Budget required (annual)
Step Two reductions covered with one-time	
monies previously	\$3,125,000
Debt service	\$5,000,000
Required reallocations (SoC, CEI, WORTH)	\$5,500,000
Total annual required	\$13,625,000





#### Budget challenge

College/action	Estimated Savings	Positions
Total from discontinuations, reorganizations,		
reductions	\$4,097,000	) Up to 65
Total academic cuts from across the board	\$1,243,000	)
Total, academic reductions	\$5,340,000	)
Reduction in academic admin. (dept. heads)		Up to 10
Academic policy efficiencies	\$750,000	)
Employment policies	\$1,500,000	)
Consolidations in auxiliaries	\$2,153,000	)
Parking	\$500,000	)
Non-academic reductions	\$2,577,000	)
Step Two Reallocations	\$500,000	)
Total	\$13,320,000	)



### Reorganizations of Colleges

- Engineering & Physical Sciences
  - Mathematics & Statistics
  - Consolidation
    - Physics & Astronomy + Atmospheric Science
  - Consolidation and Reduction
    - Petroleum Engineering + Geology & Geophysics
  - Discontinuations and Create New Academic Unit
    - Comp. Sci. + Electrical & Computing Engineering
  - Discontinuation & Reorganization
    - Chemistry + Chemical Engineering





### Reorganizations of Colleges

- Agriculture & Life Sciences
  - Consolidations
    - Zoology & Physiology, Botany, & Life Sciences
      - 8 life sciences depts  $\rightarrow$  3 depts
  - Ag Economics → Economics/CoB
  - Ag Communications  $\rightarrow$  COJO/CHSSA
  - Nutrition MA  $\rightarrow$  Kinesiology/HS
  - Early Childhood Education  $\rightarrow$  Education





### Reorganizations of Colleges

- Humanities, Social Sciences, & Arts
  - Focused emphasis on the liberal arts core of the university
  - Reorganize, Consolidate, and Rename Department of Visual & Literary Arts
    - Consolidations
      - Creative Writing  $\rightarrow$  English
    - Reorganize and Rename
      - Visual Arts with Theatre & Dance  $\rightarrow$  New Department of Visual & Performing Arts
- Education
  - Discontinuation and Reorganization
    - CLAD
    - Maintain key graduate programs
    - Reorganize structure of college and degree programs



### Program Eliminations/Suspension

College	Program	Enrollment^1
CSSHA	BA German	1, 2, 13, 13, 10
	BA French	10, 10, 13, 9, 16
	MA Sociology	0, 0, 0, 3, 9
	MA Philosophy	0, 0, 1, 6, 8
	MA Political Science	4, 7, 8, 8, 5
	MA International Studies	12, 15, 15, 16, 14
СОВ	MBA Energy	5, 4, 5, 7, 8
	MBA Finance	3, 6, 10, 3, 0
CEPS	MS Architectural Engineering	4, 7, 5, 6, 7
EDUC	CLAD^2	
	Secondary Ed/Foreign Lang	10,10, 13, 13, 17
4 <del>-</del>		

- 1. Fall 2020, 2019, 2018, 2017, 2016
- 2. Program elimination TBD



# Degree programs slated for elimination

College	Program	Enrollment
CALS	MS/PhD Entomology	1, 1, 1, 1, 5
	MS Family & Consumer Sciences	4, 2, 5, 4, 3
CEPS	PhD Statistics	0, 0, 1, 2, 4

# Programs to be suspended

- Neuroscience
- Biomedical Science
- Hydrologic Science



## The New UW: More improvements to come

- Update of Strategic Plan
  - Integration with WIP/WORTH/CEI
  - Graduate School
- Application for Carnegie Community Engaged
- Pursuit of Carnegie R1
- School of Computing
- Update of University Studies Program
  - Digital literacy
  - Entrepreneurial acumen



# Summary

Ed Seidel

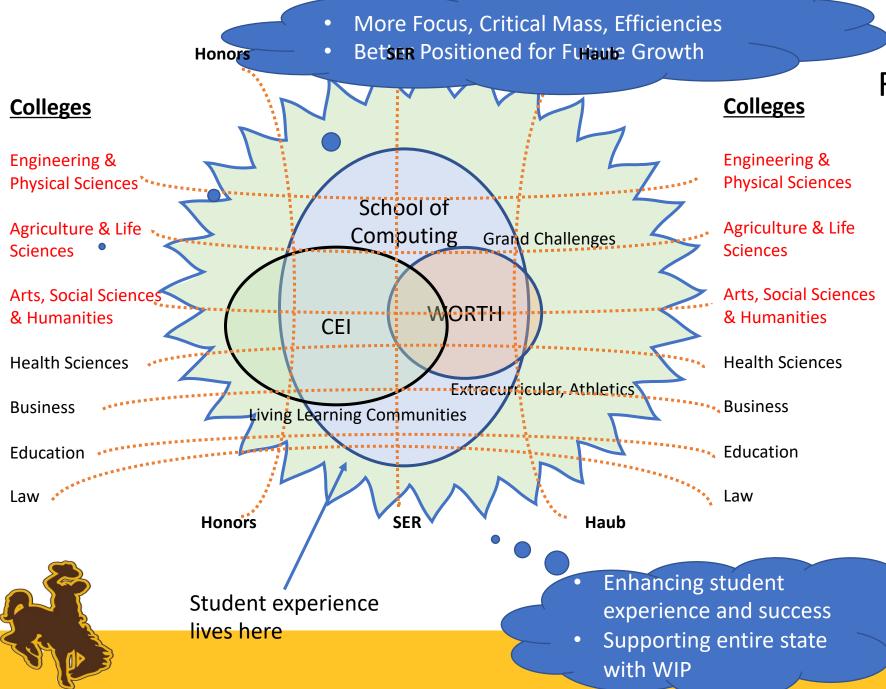
# Great ideas rediscovered...uw Academic Plan 1999-2004 Ready then...more ready now!

61. Action Item: In consultation with the Deans of Arts and Sciences, Business, and Engineering, the Vice President for Academic Affairs will assess alternative organizational arrangements that will strengthen the University's presence in computing, information technology, and information management at the undergraduate and graduate level. This effort could include cross-college cooperation for a computer engineering program, the merger of Computer Science and Electrical Engineering, the creation of an inter-college School of Computer and Information Sciences, or other alternatives.

130. Action Item: The University will assess the demand and potential costs associated with an undergraduate program in tourism and hospitality.







## Restructuring UW for

- Student experience and success
  - More tomorrow
- Growth of programs for 21<sup>st</sup> century themes
  - Revenue enhancement
  - Carnegie R1, Engaged Status
- Better Efficiencies
  - Critical mass
  - Continued improvement
- Economic Impact

# UW Foundation Report: Alignment with Proposed Plans

UW VP and Foundation President Ben Blalock

# UW Fundraising Priorities

**A Strategic Fundraising Partnership** 

UW Board of Trustees Retreat July 2021

UNIVERSITY OF WYOMING FOUNDATION

# An unwavering commitment to making a difference and elevating the margin of excellence at UW

**PRIORITIES** 

## A Strategic Fundraising Partnership



## Build on more than two decades of a significant public-private partnership

Align State of Wyoming goals, UW priorities, and donor interests

#### Maximize the impact of UW's endowment

**\$760 milion TOTAL EN** NOTE: PRIVATE

#### TOTAL ENDOWMENT

NS OF 6/30/21 NOTE: PRIVATE MANAGERS ARE A COUPLE OF MONTHS LAGGED IN REPORTING

- Ensure the current total funds for appropriation (\$69+ million) are spent in keeping with the donor's intent
  - Put current private support dollars to use before we return to our donor base for significant additional private support

RIORI

## A Strategic Fundraising Partnership



### **2** Launch Presidential Excellence Initiative

- A partnership between the President's Office, the Provost, and the UW Foundation
- Ensure current chairs, professorships, and faculty positions are being effectively utilized (including Wyoming Excellence Chairs)
- Conduct a deep dive of current endowed positions as well as endowed faculty fellowships
- Work with current donors to maximize endowed positions—and where appropriate directing positions to the highest identified use and priorities (including computing, entrepreneurship and innovation, tourism and hospitality)
- Identify opportunities to support newly reorganized UW colleges
- Focus on areas related to digital research and scholarship
- Recruit top-notch deans, faculty, and academic leaders to UW
- Increase endowed deanships, chairs, and professorships from 50 to 100

**PRIORITIES** 

## A Strategic Fundraising Partnership



Align private support programs with new visionary initiatives

- School of Computing
- Center for Entrepreneurship
- & Innovation

WORTH Initiative
 Wyoming Innovation
 Partnership

#### $\checkmark\,$ Focus on current private support initiatives and opportunities

- Tier I Engineering and Science Initiatives
- STEAM programs
- Trustees Education Initiative
- Law school facility and clinic programs
- Wyoming Athletics (UW's national "front porch")

- School of Energy Resources
- Blockchain
- UW Rodeo
- Priorities driven by donor commitment to UW

#### OF WYOMING

## **A Strategic Fundraising Partnership**



# PRIORITIE

#### **Invest in Student Success**

- Ensure greater student success at UW by providing private funding for deserving students who want to graduate with their degree and give back
- Connect donors who have a passion for UW with student success
- Recruit and retain the best and brightest students to UW
- Evaluate current student support and scholarship funds to determine if they are being effectively used and/or if they can be used to support new visionary opportunities



#### **STUDENT SCHOLARSHIP ENDOWMENT**

## A Strategic Fundraising Partnership

PRIORITIES

 $\checkmark$ 



**S4 milion** Cryptocurrency staking program New match from state's reserve account, 1:2 match

**\$10 million** Carbon Capture and Storage New match from state's legislative

stabilization reserve account

Similar Signature
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Signa





# END