

Research & Economic Development Committee Agenda
3/23/2021
5:00 – 7:00 PM
Zoom links forthcoming

1. ERA update – D. Hulme, 10 minutes (slides 2-3)
2. ORED workforce requirements and budget implications – Diana and Ed, 20 minutes (slides 5-9)
3. WIN Network update – S. Farkas, 15 minutes
4. Pillar planning updates:
 - Interdisciplinary pillar: E. Synakowski, 10 minutes (verbal only)
 - Entrepreneurship pillar: S. Farkas, 10 minutes (verbal only)
5. Federal Endless Frontier Act - E. Synakowski, 15 minutes (slides 10-18)
 - Northern Plains-Northern Rockies coalition discussions, and discussions with NSF
6. NCAR – G. Allen, 15 minutes
 - discussions with leadership and NSF regarding potential expanded use

Electronic Research Administration System Request for Proposal Update

E. SCHEDULE OF ACTIVITIES

	Activity	Date	Time (Mountain Time)
1.	RFP posted to Public Purchase website and invitation email sent to potential and interested providers.	3/12/2021	5:00 P.M.
2.	Last day to submit questions on Public Purchase concerning the RFP.	3/19/2021	5:00 P.M.
3.	Last day to submit answers to questions on Public Purchase	3/26/2021	5:00 P.M.
4.	Proposals due (one originally signed electronic copy uploaded to Public Purchase).	<u>4/12/2021</u>	2:00 P.M.
5.	Interviews with selected firms (if held).	4/13 - 4/20/2021	TBA
6.	Letter of Intent issued.	4/23/2021	5:00 P.M.
7.	Contract process begins.	4/24/2021	TBA



Electronic Research Administration System Request for Proposal Update

- March 29, 2021
 - Final meeting with eRA Executive Team – Review of final report
 - Attain Consulting
 - UW eRA Executive Team – Trustee Fall, VP Synakowski, VP Evans, Deputy VP Jewell, AVPR Hulme
- Begin requisition to hire eRA Coordinator



Determination of ORED Staffing Needs

Evolution of the staffing table: *What is really needed for Research at UW?*

- More positions added (total of 43)
- Positions prioritized by need
 - Compliance - meets national, state, local regulations, guidelines, and policies
 - Sustain – meets baseline service, alleviates workforce issues and burnout
 - Obligation – contractual arrangement or mandate (e.g., SI Building)
- Each position given a number based on when it would be filled
 - 1 = anticipate hire in FY21 (by July 1, 2021)
 - 2 = anticipate hire in FY22
 - 3 = anticipate hire in FY23



Research Staffing Needs

Priority 1 Positions

Est Salary+Fringe

Electronic Research - Administrator	\$ 114,750
Conflict of Interest Coordinator	\$ 114,750
ARCC - Director	\$ 198,900
ARCC - Syst Admin	\$ 114,750
TTO - Patent Agent	\$ 114,750
SI – Building Manager	\$ 137,700
ORED Res Coord (3 - Hire 1/yr over 3 yrs)	\$ 206,550
OSP Communication-Outreach & Training	\$ 91,800
OSP Cash Management Supervisor	\$ 99,450
Priority 1 Positions - Total	\$1,193,400



Research Staffing Needs

Priority 2 Positions	Est Salary+Fringe
TTO - Licensing Manager	\$ 114,750
TTO – Office Associate	\$ 58,140
TTO – Business Develop Assoc	\$ 114,750
TTO – Business Development Assoc	\$ 114,750
SI - Greenhouse Manager*	\$ 99,450
SI – CASI Manager*	\$ 114,750
ORED – Lab Animal Mgr*	\$ 114,750
ORED – Assoc VP Econ Develop	\$ 244,800
ORED Comm Market	\$ 99,450
ORED Grant Proposal Editor	\$ 91,800
ARCC/RMH Digital Collections Curator*	\$ 97,500
AMK Executive Director**	\$ 300,000
AMK Administrative Associate (full time, benefited staff)*	\$ 61,000
AMK Associate Director (summer salary + 25% academic year)*	\$ 52,000
AMK Office Assistant (part-time, hourly)*	\$ 10,000
AMK Summer Staff (hourly)*	\$ 22,000
Priority 2 Positions - Total	\$1,709,890

**Position cost could be offset by users fees*

*** Position cost could be offset by an endowment*



Research Staffing Needs

Priority 3 Positions	Est Salary+Fringe
Electronic Research – Coordinator (2)	\$ 183,600
ARCC – Research User Consult (3)	\$ 344,250
Research Coordinator Corporate (3)	\$ 229,500
ORED College Res Coord (2)	\$ 137,700
ORED Grants Accountants (3 - Hire 1/yr over 3 yrs)	\$ 229,500
Core facilities faculty admin*	\$ 99,450
EPSCoR budget admin*	\$ 99,450
Genome Tech Lab Manager*	\$ 105,000
EcoBGC Lab Manager*	\$ 114,750
Priority 3 Positions - Total	\$1,543,200

**Position cost could be offset by users fees*



Research Staffing Needs

- Total cost of priority 1, 2, and 3 positions (43) = \$4,446,490
- Total cost if some positions can be covered by user fees or endowment (13) = \$3,156,390



116TH CONGRESS
2D SESSION

S. 3832

To establish a new Directorate for Technology in the redesignated National Science and Technology Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, and innovation, and for other purposes.

IN THE SENATE OF THE UNITED STATES

MAY 21, 2020

Mr. SCHUMER (for himself and Mr. YOUNG) introduced the following bill; which was read twice and referred to the Committee on Health, Education, Labor, and Pensions

A BILL

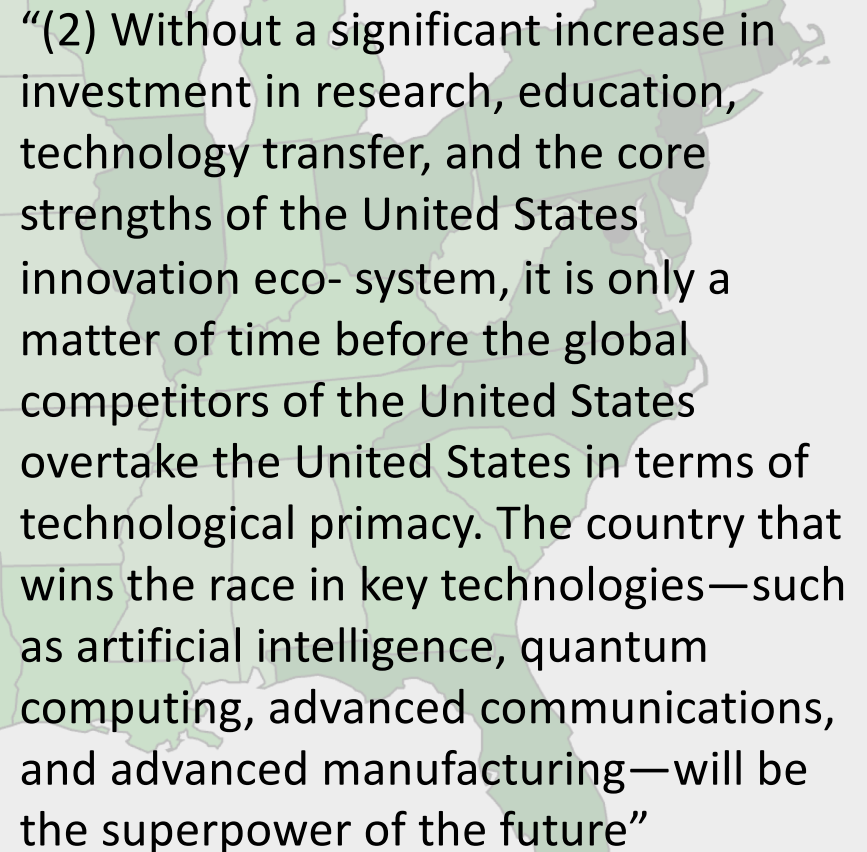
To establish a new Directorate for Technology in the redesignated National Science and Technology Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, and innovation, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Endless Frontier Act”.

A bipartisan bill in Congress: the Endless Frontier Act (Schumer, Young)



“(2) Without a significant increase in investment in research, education, technology transfer, and the core strengths of the United States innovation eco- system, it is only a matter of time before the global competitors of the United States overtake the United States in terms of technological primacy. The country that wins the race in key technologies—such as artificial intelligence, quantum computing, advanced communications, and advanced manufacturing—will be the superpower of the future”

The EFA would yield an enormous investment in research:

“(1) IN GENERAL.—There are authorized to be appropriated for the Directorate, in addition to any other funds made available to the Directorate, a total of \$100,000,000,000 for fiscal years 2021 through 2025, of which—

A portion of this is to be directed to regional technology Hubs:

“(2) DESIGNATION OF REGIONAL TECHNOLOGY HUBS.—

“(A) IN GENERAL.—The Secretary shall use a competitive process for the designation of regional technology hubs under paragraph (1)(A)(i).

“(B) NUMBER OF REGIONAL TECHNOLOGY HUBS.—During the 5-year period beginning on the date of the enactment of the Endless Frontier Act, the Secretary shall designate not fewer

than 10 and not more than 15 eligible consortia as regional technology hubs under paragraph (1)(A)(i).

“(C) GEOGRAPHIC DISTRIBUTION.—In conducting the competitive process under subparagraph (A), the Secretary shall ensure geographic distribution in the designation of regional technology hubs—

“(i) aiming to designate regional technology hubs in as many regions of the United States as possible; and

“(ii) focusing on localities that have clear potential and relevant assets for developing a key technology focus area but have not yet become leading technology centers.

**For benefit in rural America, to benefit all:
A new way of partnering**

**“Expand the Geography of Innovation,”
National Science Board 2030**

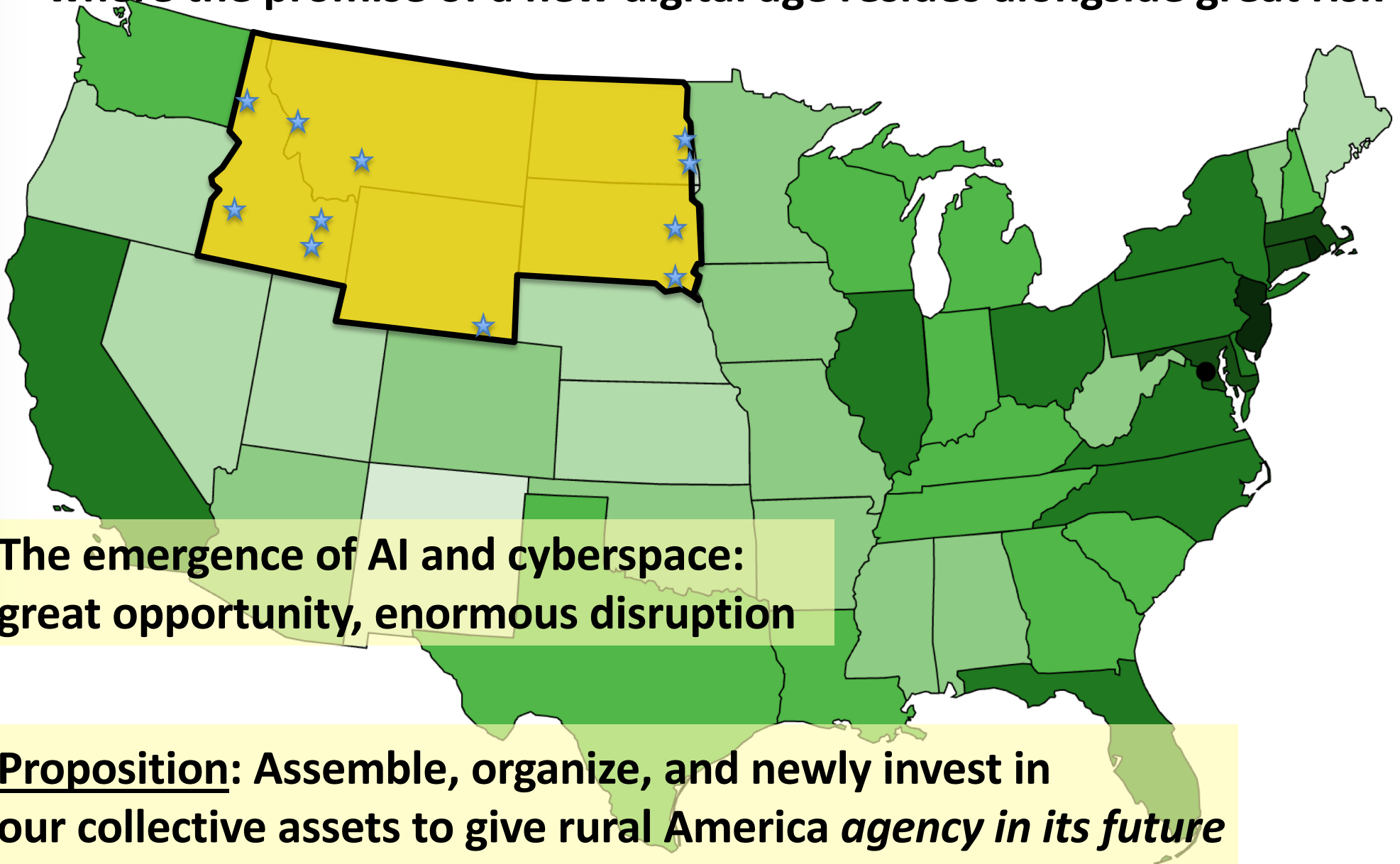
A Rural Midwest Mountain Hub

Discussion with

**Dr. Sethuraman Panchanathan
Director, National Science Foundation**

March 9, 2021

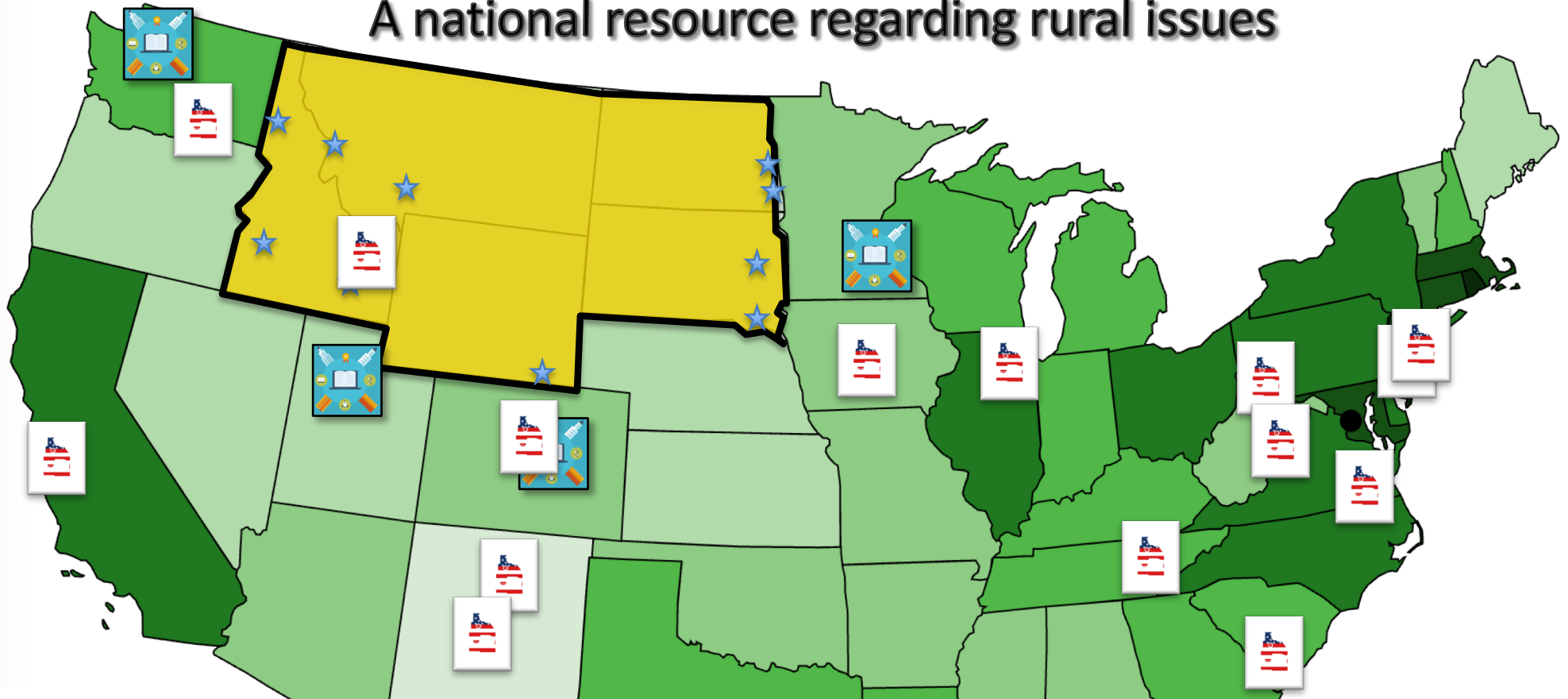
We represent public universities from north and west rural America, where the promise of a new digital age resides alongside great risk



**The emergence of AI and cyberspace:
great opportunity, enormous disruption**

**Proposition: Assemble, organize, and newly invest in
our collective assets to give rural America *agency in its future***

A Rural Midwest-Mountain Hub: A national resource regarding rural issues



• Urban centers/major research universities in adjacent states



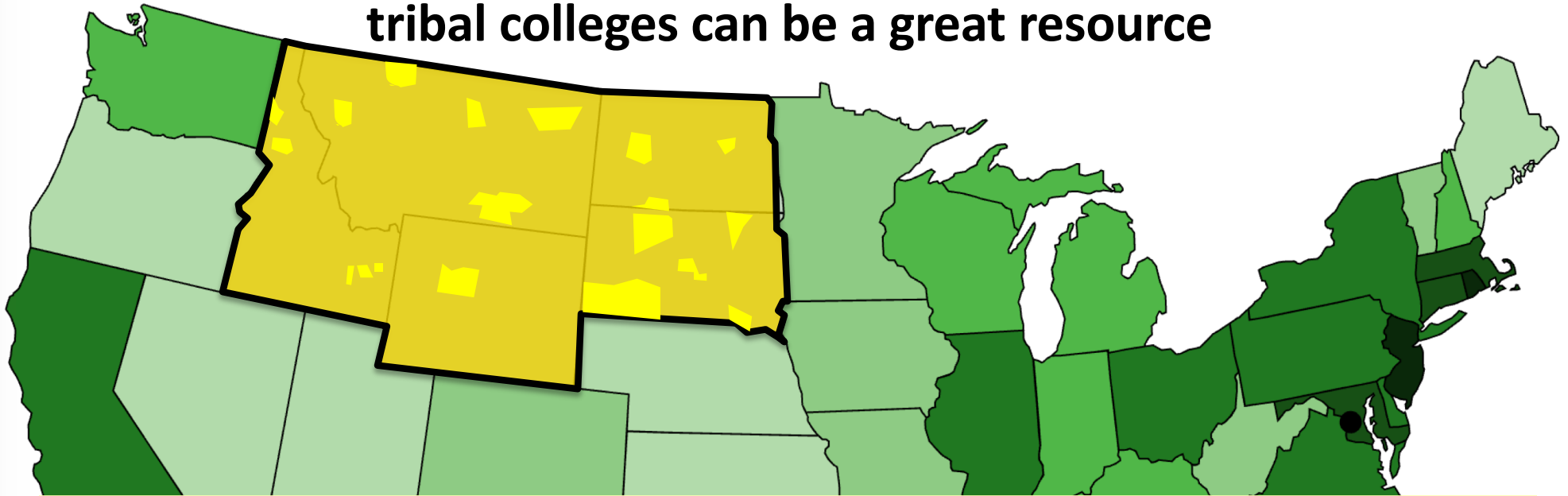
National labs



Rural Midwest Mountain Hub:

- form partnerships with nearby urban universities and businesses
- potential of partnerships with national labs in rural challenges is high: harness their power

Inclusivity as a pillar: RMWM Hub partnering with tribal colleges can be a great resource



This region is home to over one-half of the nation's tribal colleges

The interests of Native Americans are intimately tied to the most urgent research issues of our day

- e.g. climate and impact on water and its usage; fires; changing agriculture; rural health care delivery
- Provide young Native Americans a pathway to stay on their lands in the era of increasing AI and digital impact

Rural American can lead the nation in leveraging what we have learned is possible working in virtual space

Assets include:

- Impactful research programs on our campuses, including EPSCoR



But support in forging a shared purpose regarding AI and cyberspace can yield so much more

- NCAR-Wyoming supercomputing center



Consider the untapped potential of

- Opening the door to other Rural Midwest-Mountain universities
- Broadening the science: use beyond the geosciences
- Public-private partnering
- Broadening agency participation

- Remarkably inventive students who want to be part of shaping their own future in their home states



But they are now faced with reacting to change, rather than defining it, and moving away if they are to be part of the digital age

A Rural Midwest-Mountain Hub would be a model resource for serving rural America in the digital age

A Rural Midwest Mountain Hub (RMWM) focused on *invigorating a digital work force, research, education, and commerce* which offers an integrated curriculum directed to the challenge of emerging cyber space and robotic/AI machine systems, in technical fields *and social sciences*

- **Proposal:** NSF consider a Rural-Midwest-Mountain Hub as one of the constellation of 10-14 physical Hubs articulated in the proposed “Endless Frontier” legislation
- We would be eager to respond with a proposal, informed by vigorous idea-exchange regarding mission, potential outcomes, what is needed, and what is possible

