

## Projected Annual Growth Rate of Country Populations, 2010-2050

By 2050, 70% of the world's population will be in the cities compared to 49% today

25% of the world's cropland is degraded

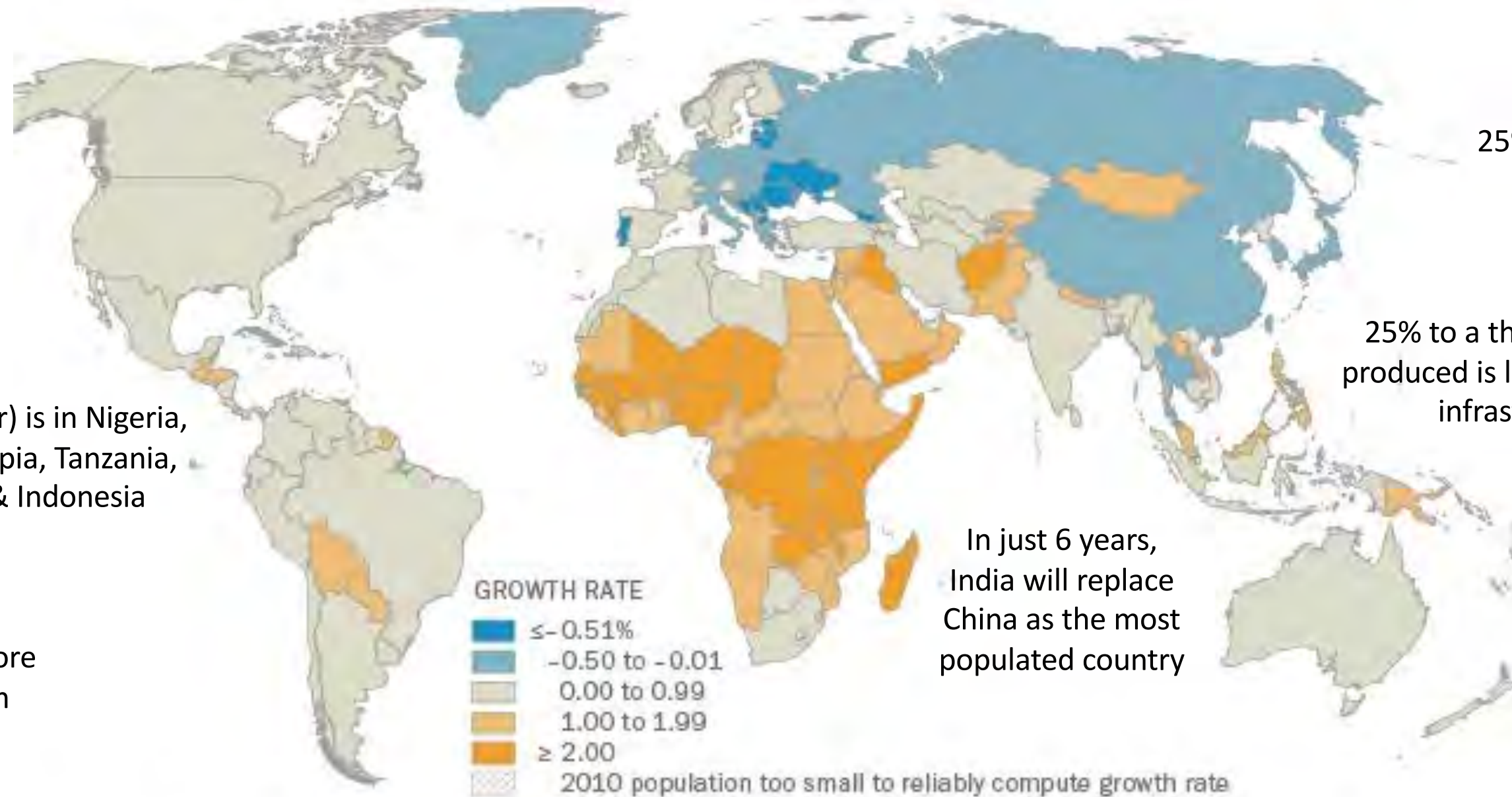
Half of the growth (in order) is in Nigeria, the Congo, Pakistan, Ethiopia, Tanzania, United States, Uganda & Indonesia

25% to a third of all food produced is lost due to poor infrastructure

70% of the need for more food must come from higher yields

In just 6 years, India will replace China as the most populated country

Growth projected in some of the poorest parts of the world with the greatest need for food and water



Source: The Future of World Religions: Population Growth Projections, 2010-2050

PEW RESEARCH CENTER

# *IANR All Hands Meeting*



**January 28, 2020**

***IN OUR GRIT, OUR GLORY™***



January 17, 2020

## **NU president experiences Big Red momentum firsthand**

TWO-DAY TOUR FEATURES MEETINGS WITH STUDENT, FACULTY, STAFF LEADERS

**LINCOLN** - In his first official visit to the University of Nebraska–Lincoln, new NU President Ted Carter toured campus facilities, meet with administrative leaders and talked face-to-face with students, faculty and staff.

The two-day tour showcased the growing momentum of the NU system's flagship institution, featuring overviews of capital projects on City, East and Nebraska Innovation campuses. Carter met one-on-one with Chancellor Ronnie Green, discussing the N2025 strategic plan and N150 vision; and received briefings from members of the chancellor's executive leadership team. The schedule also included focused discussions with students, faculty and staff, and attending the MLK Freedom Breakfast.



D.B. AND PAULA VARNER HALL

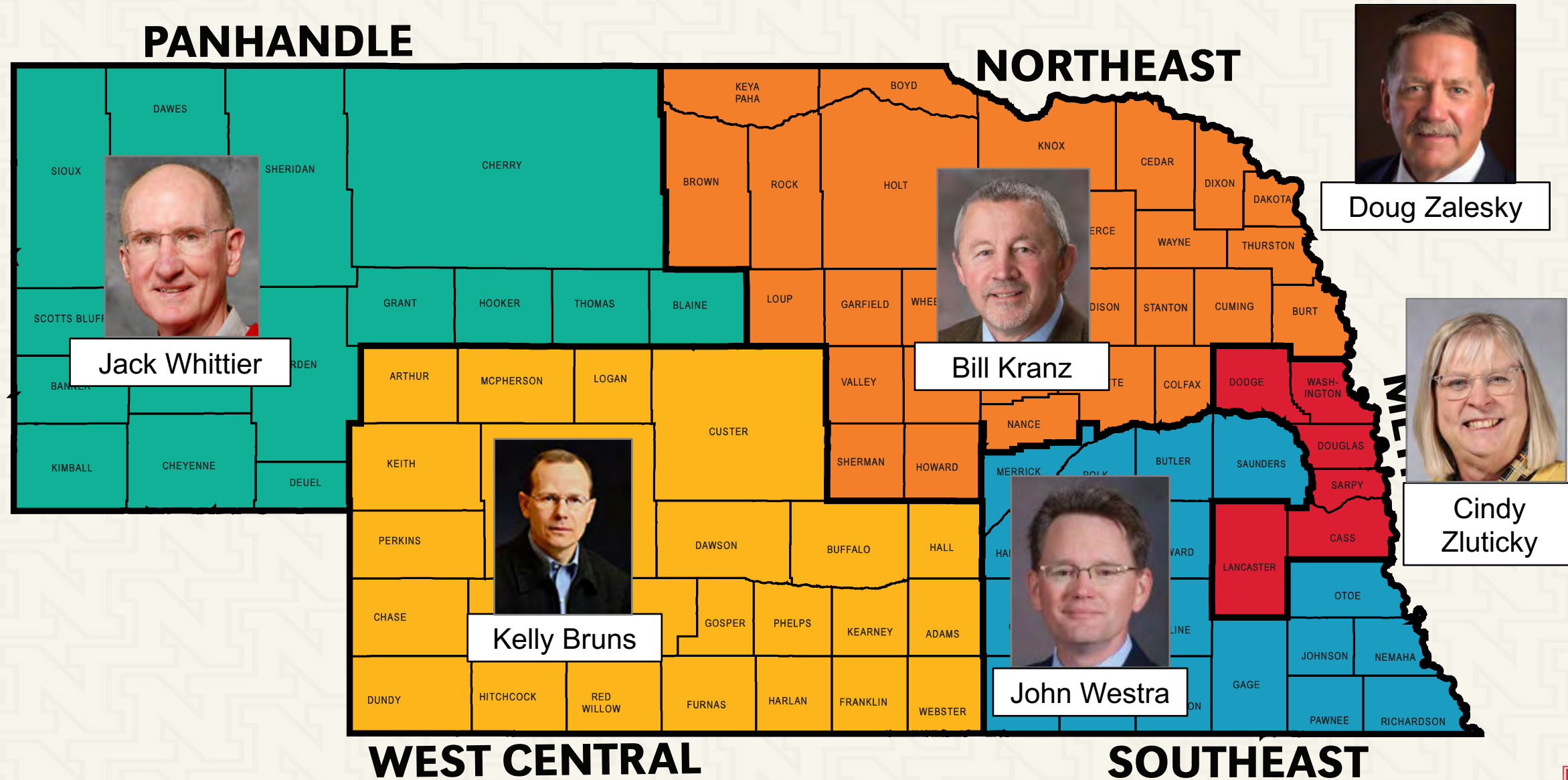


# From Extension Districts to Engagement Zones

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Chuck Hibberd  
Nebraska Extension

# Extension Districts (2016)



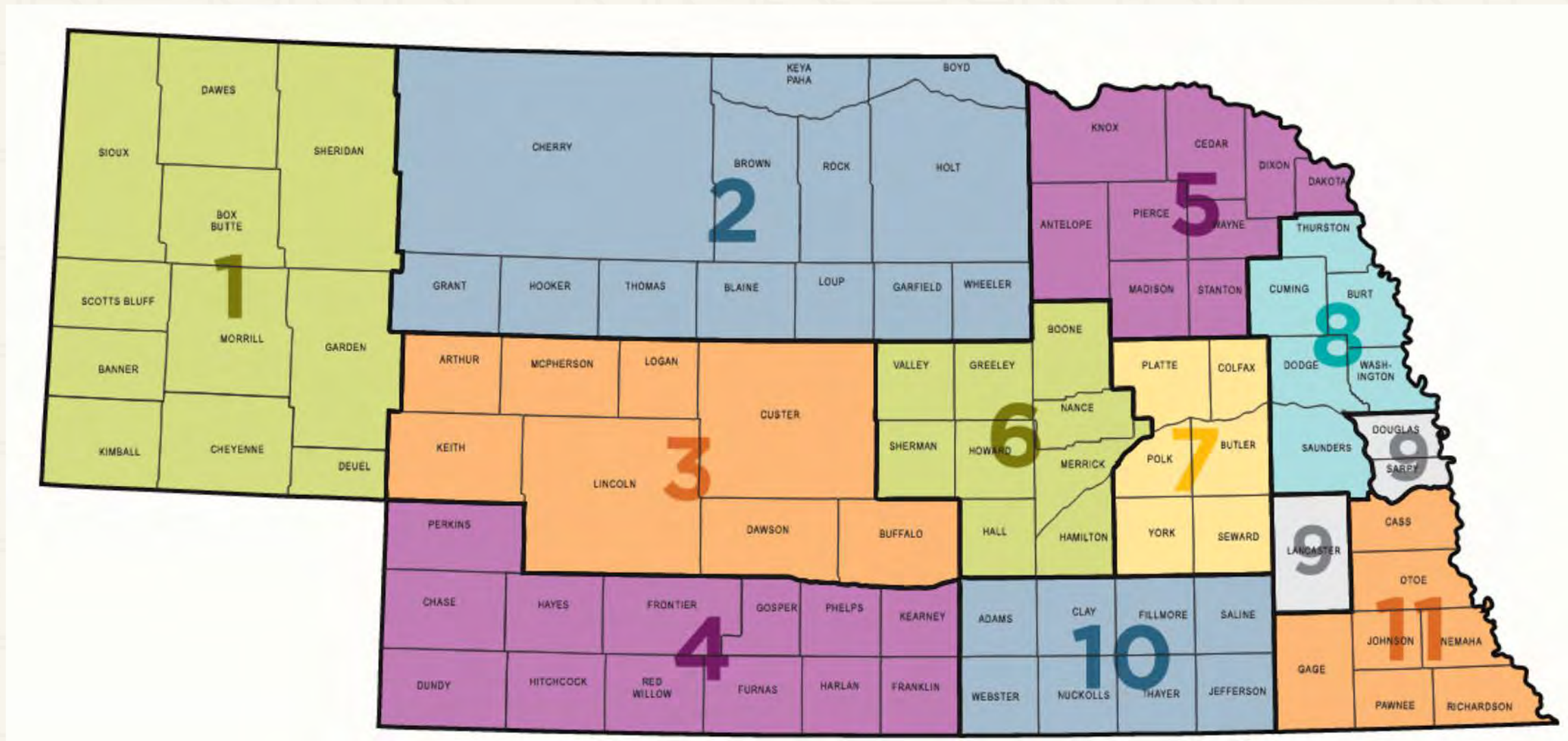
# Opportunities

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- Employee success
- Stakeholder connections
- UNL Community Engagement

Every person and every  
interaction matters

# Engagement Zones



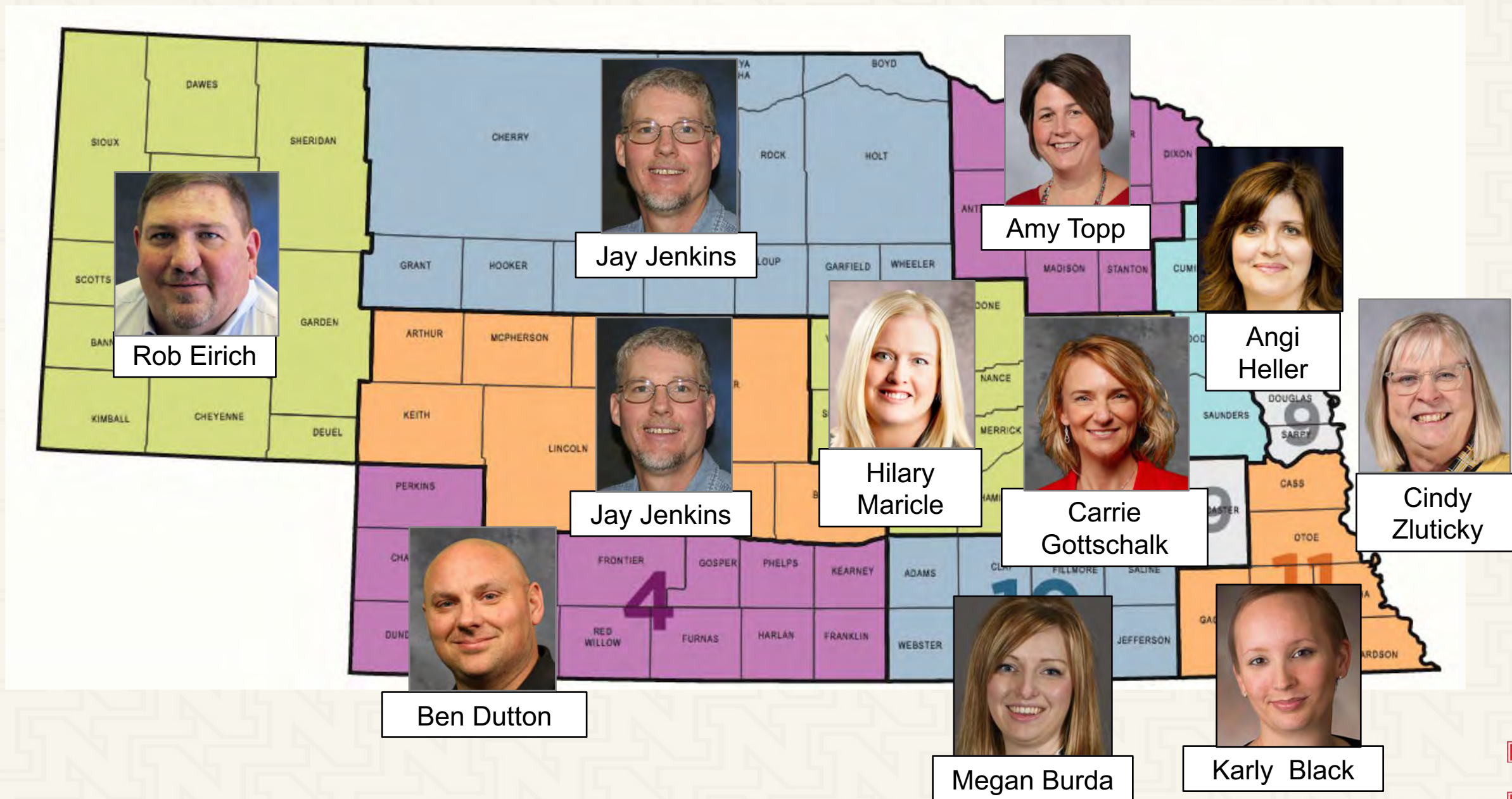


# Characteristics

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- Nurture employee success
- Advance people and communities
- Appreciate and honor differences
- Get the right people to have the right conversations about the well-being of Nebraskans and our communities
- Cultural broker - connect with all of UNL
- Accountable – move the needle every day

# Engagement Zone Coordinators





**IANR  
Community  
Questions**





**Tiffany Heng-Moss**



My teaching load not changed in for the past 30 years. Indeed, because enrollment in my courses has increased, I am actually teaching more students than ever before. Yet, according to the 2019 "Teaching-Advising Calculator", my calculated teaching FTE actually decreased. Was something changed in the algorithm to explain this?



**Rich Bischoff**



Does IANR have a Diversity and Inclusion strategic plan in place? If so, would you please share it?

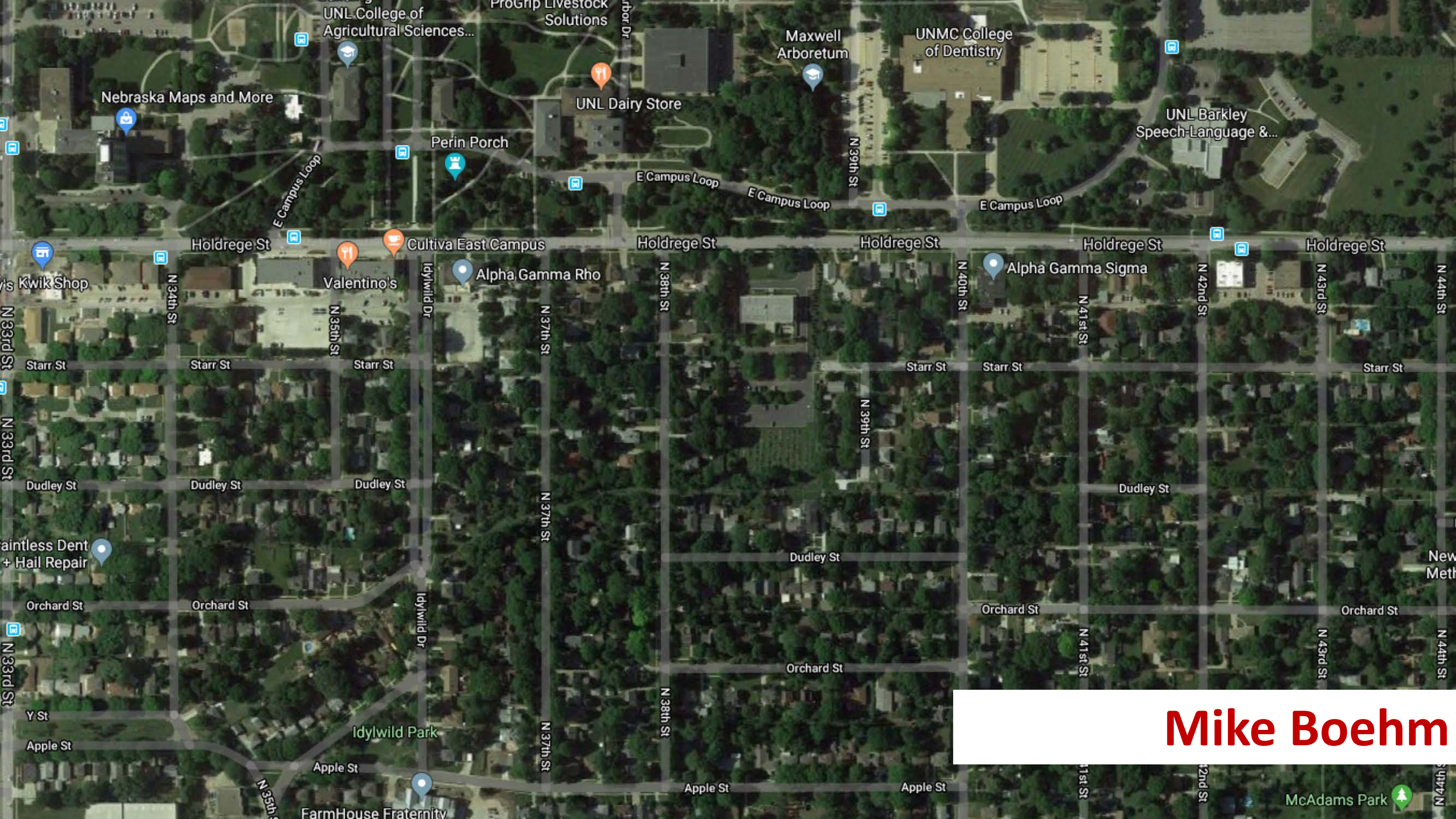


**Mike Boehm**





What are the plans for fixing streets, parking lots, and sidewalks on East Campus? There are numerous locations with cracked/buckling/pothole areas both on the streets and sidewalks that could be a safety issue.



**Mike Boehm**



Are there plans for off-campus parking or increased campus parking for students, staff, and faculty once the ECCO (East Campus Community Organization) restricts neighborhood parking from 33rd Street to 43rd Street and from Holdrege Street to the MOPAC bike trail?



**Mike Boehm**



What are potentials for dedicating more of our research and teaching [and extension] to non-production topics that will contribute to sustainability of rural families and communities and long-term human viability?



**Ron Yoder**



How can we be expected to attract and retain employees when our annual raises don't even cover inflation and our starting wages don't compete with comparable jobs outside the University?

NEBRASKA COLLEGE

OF TECHNICAL AGRICULTURE

INSTITUTE OF AGRICULTURE  
AND NATURAL RESOURCES

**Tiffany Heng-Moss**





What is the status of the dean search at the Nebraska College of Technical Agriculture (NCTA)?



# RECREATION



**Sherri Jones**



What is the timeline of the demolition and reconstruction of the new Mabel Lee Hall?

REPORT



**Sherri Jones**



What is the status of the chair openings in the Department of Child, Youth & Family Studies (CYAF) and the Department of Textiles, Merchandising & Fashion Design (TMFD)?



**Archie Clutter**



What are the next steps regarding the  
Nebraska Center for Virology and the Morrison  
Life Science Research Center?



**Rich Bischoff**





What professional development and promotion opportunities are available to full-time research and administrative staff, to help with their retention?



**Ron Yoder, Rich Bischoff**



Are there plans to simplify or consolidate the many required faculty reporting processes (e.g., Activity Insight, CV submission, Hatch reporting)?

# Budget Model Redesign

## BUDGET MODEL REDESIGN

[Guiding Principles](#)[Campus Forums](#)[Project Timeline](#)[FAQs](#)[Teams](#)[Task Force Report](#)

In the fall of 2016, Chancellor Ronnie Green formed a task force to perform a review of University of Nebraska-Lincoln's existing budget system in order to better align the University's budget allocation with university goals and objectives.

The task force:

- reviewed UNL's existing budget system
- documented general processes for resource allocations
- investigated "best practices" in higher education budgeting
- drafted a series of recommendations.

The task force released its [full report](#) in the spring of 2017 and recommended UNL move from a Central-Administration Management (CAM) model to a modified Responsibility Centered Management (RCM) Model.

A [steering committee](#) to lead the campus through the implementation process was selected and began work in March of 2019.

## What is UNL's Budget Model?

The University of Nebraska-Lincoln has chosen an incentive-based management system. This budget model will support the achievement of the University by decentralizing budget authority - transferring it from central administration to individual schools or programs.

[BUDGET MODEL FEEDBACK/QUESTIONS](#)

## How does it work?

The incentive-based budget model at UNL delegates operational authority to primary units (colleges and auxiliaries) and support





How will the RCM/IBM model impact the way in which revenue flows from IANR/CASNR to departments and other units, like institutes and centers?



*People*

*FAST*

# Agricultural Research Division Junior Faculty for Excellence in Research Award

## Previous Awardees

### 2014

- David Holding
- Greg Kruger

### 2015

- Samodha Fernando
- Patricio Grassini
- Amanda Ramer-Tait

### 2016

- Oleh Khalimonchuk
- James Schnable
- Dirac Twidwell

### 2017

- Dipti Dev
- Hiep Vu

### 2018

- Ozan Ciftci
- Yufeng Ge

## 2019 Awardees



**Rebecca L. Roston**

**Biochemistry  
Plant Science Innovation**



**Samuel E. Wortman**

**Agronomy & Horticulture**



# Welcome New Faculty

Since September All Hands Meeting



**Rebecca  
Funk**



**Hannah  
Greenwell**



**Erin  
Kampbell**



**Andrew  
Larson**



**Kacie  
McCarthy**



**Juan Pablo  
Monzon**



**Sunil  
Sukumaran**



**Susan  
VanderPlas**



# New Leaders Since September All Hands Meeting



**Jenny Dauer**

Associate Director, School of Natural Resources



**Walter Schacht**

Director, Center for Grassland Studies



**Paul Springer**

Interim Chair, Child, Youth and Family



**Cara Pesek**

Director of Communications,  
IANR Vice Chancellor's Office



**Kevin Pope**

Director, Nebraska Cooperative  
Fish and Wildlife Research



**Yiqi Yang**

Interim Chair,  
Textiles, Merchandising and Fashion Design



*Place*

*SPIT*

# Dairy Store



**Caring for Cows &  
Nourishing Communities**



**Grand reopening: March 12, 2020**



## Nebraska East Campus Union

### TARGET dates

Dining Center  
Starbucks & 2<sup>nd</sup> Floor  
Great Plains Room  
3<sup>rd</sup> Floor & Bowling Alley

NOW OPEN!  
Feb. 24, 2020  
Apr. 1, 2020  
Oct. 2020



# C.Y. Thompson Library

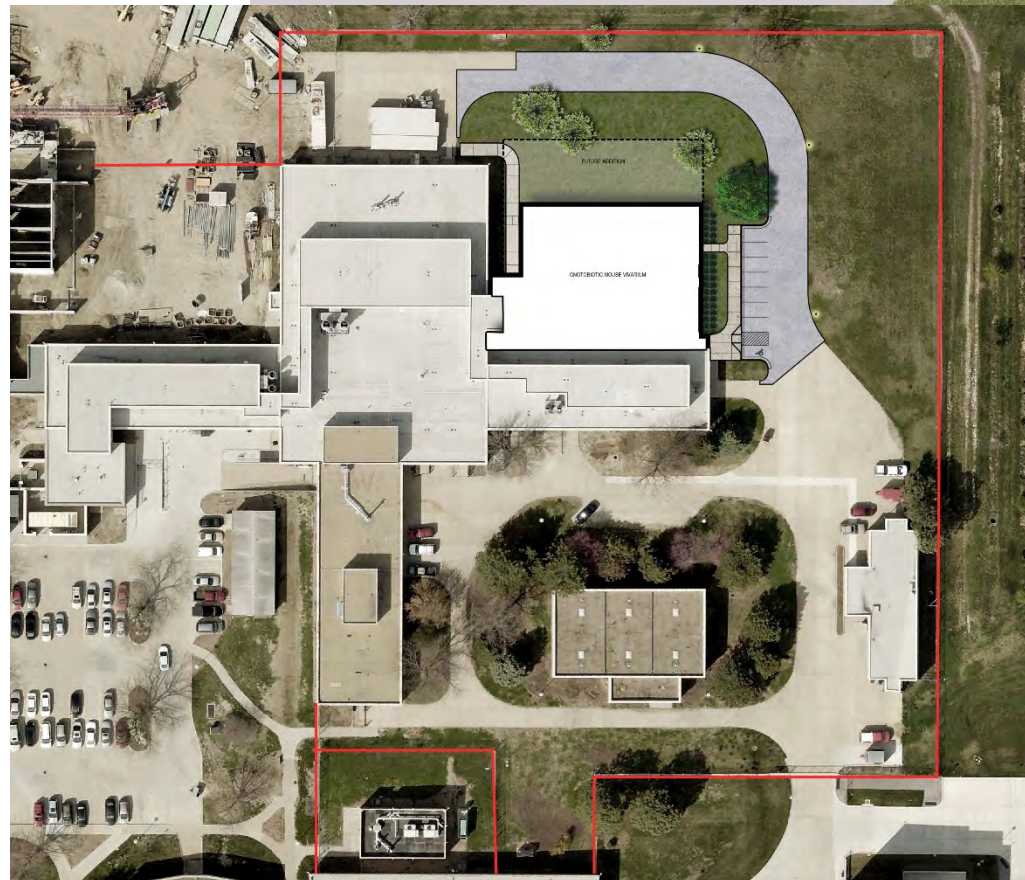




# Reimagining East Campus Green Space



**Life Science  
Annex  
Expansion  
Gnotobiotic  
Mouse  
Facility**



# Innovation Campus hotel, office building get OK from Lincoln City Council







# *Programs*

APPART

# New incubator for ag, food startups opening at Innovation Campus

The Combine is a statewide initiative supporting high growth entrepreneurs in food and agriculture. The program consists of commercialization support through mentorship and a capital readiness program, networking events, a network of partnering producers across the state, as well as incubation space on Nebraska Innovation Campus.

## Founding Sponsors



## Statewide Sponsors

# The 2017 Economic Impact of Nebraska's Agricultural Production Complex

**Brad Lubben**, Extension Associate Professor of Agricultural Economics,  
Policy Specialist, and Director, North Central Extension Risk Management Education Center

**Jeff Stokes**, Professor of Agricultural Economics and Hanson-Clegg-Allen Endowed Chair in Agricultural Banking and Finance

**Eric Thompson**, Professor of Economics & Director, Bureau of Business Research



# VOLUNTARY SEPARATION INCENTIVE PROGRAM

## FOR RETIREMENT-ELIGIBLE TENURED FACULTY

### Dear Colleagues,

The University of Nebraska is offering eligible faculty an opportunity to retire early through our Voluntary Separation Incentive Program.

The VSIP provides flexibility to our faculty regarding their retirement options. Based on past experience, we know a number of faculty may be considering retirement, and the VSIP gives those faculty an attractive option while also creating flexibility in the university's budget to reinvest in priorities or plan for future uncertainty.

To be eligible for the VSIP, faculty must be tenured, at least 62 years old at the date of separation, and must have served at the University of Nebraska for at least 10 years. Faculty who choose to participate will be paid a lump sum of **80 percent of their base salary**. The program is entirely voluntary.

You may access the VSIP application [here](#). Faculty have until **December 3, 2019** to submit applications to the Executive Vice Chancellor's office, and will be notified by December 16, 2019 whether their applications have been accepted.

You may be asking: Why offer the VSIP now? We have discussed this matter carefully with our academic and business leadership teams and Interim President Fritz.

We believe providing a flexible retirement option to our most senior faculty, who have collectively given many decades of service to the university and contributed enormously to our upward trajectory, is the right thing to do. We estimate 400 faculty across the UNL, UNO and UNK campuses are eligible to participate in the VSIP this year.

Concurrently, it makes good fiscal sense to create flexibility in our budget when we can. Past VSIP savings have allowed us to reinvest in the next generation of faculty and invest in research and other strategic priorities.

In addition to the application, you'll find detailed information on the VSIP, along with common questions and answers [here](#).

Thank you for all you do for the University of Nebraska.

Sincerely,

*Ronnie, Richard, and Mike*

### **Summary**

- 67 Total Applicants
- 1 Withdrawn
- 66 Approved
- 14 IANR
- February 13, 2020



“  
This is about preparing the next generation of problem-solvers, innovators and leaders in resilient food, energy, water and societal systems.”  
— Tiffany Heng-Moss Dean, College of Agricultural Sciences and Natural Resources

The Northeast Nebraska Agriculture and Natural Resources Education Compact includes the following Nebraska institutions:



# Investing in Nebraska

Nebraska Department of Plant Pathology Academic Programs

## Academic Programs

The Department of Plant Pathology offers a wide range of research opportunities in both basic and applied topics. Our graduate programs are designed around your own research, extension, and career goals. Opportunities for research at the M.S. and Ph.D. levels include:

- molecular plant pathology
- fungal molecular genetics
- phytobacteriology
- nematology
- virology
- epidemiology
- biocontrol
- disease resistance
- plant diseases

Opportunities also exist for inter-disciplinary programs in biotechnology, plant breeding, microclimatology, plant stress, pest management, and international agriculture.



### Our Department

We are a medium-sized department of 18 faculty who have diverse interests. Our graduates are sought for positions in academe, government, and the private sector.

The department has access to state-of-the-art facilities and instrumentation to support research interests ranging from the most applied to the most basic. Laboratory based research is conducted in



## *Our mission*



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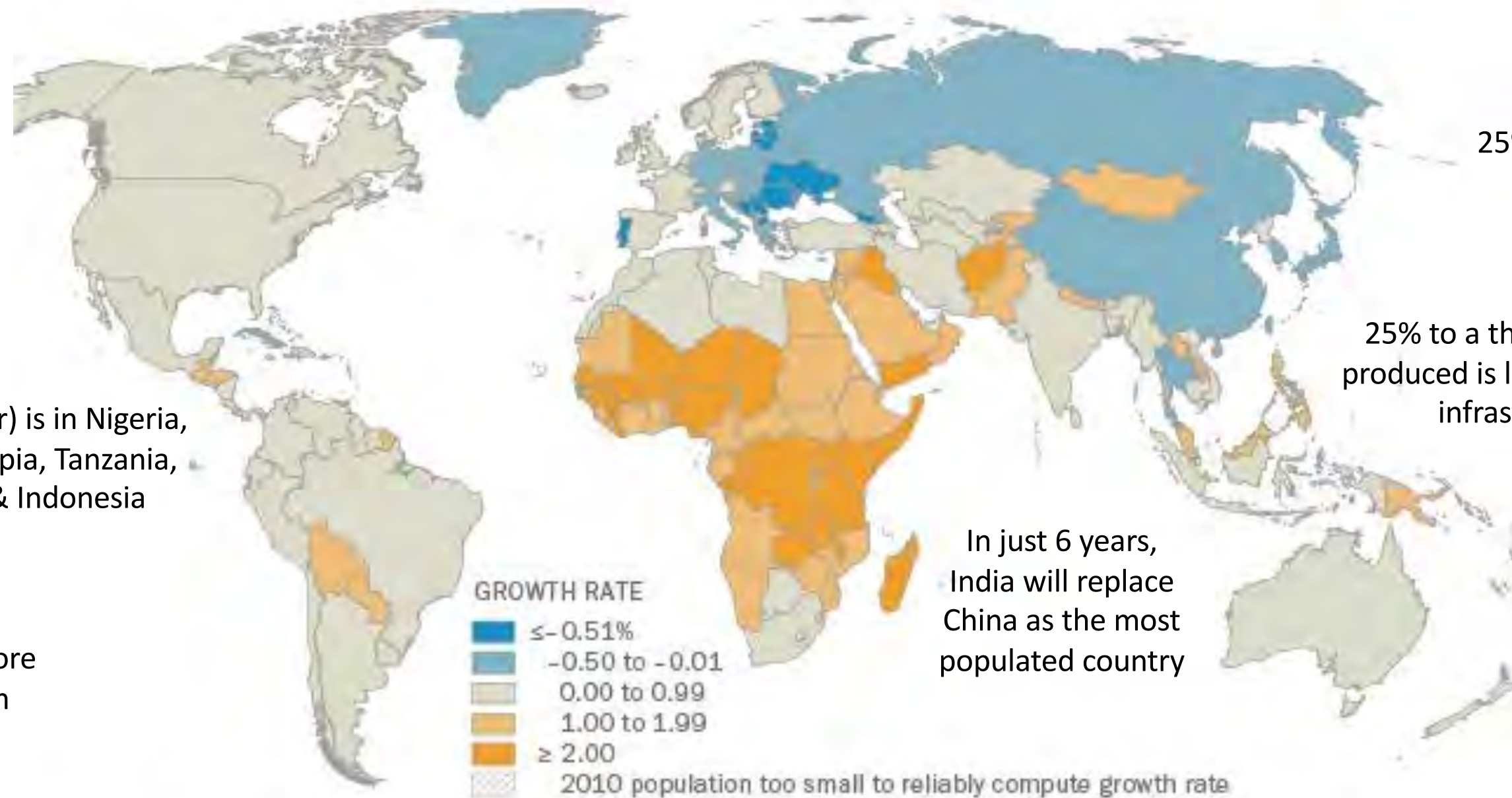
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Source: The Future of World Religions: Population Growth Projections, 2010-2050

PEW RESEARCH CENTER

**SUSTAINABLE DEVELOPMENT GOALS**



**#1 No Poverty**



**#2 Zero Hunger**



**#3 Good Health & Well-Being**



**#4 Quality Education**



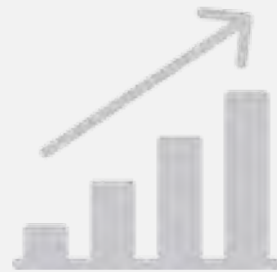
**#5 Gender Equality**



**#6 Clean Water & Sanitation**



**#7 Affordable & Clean Energy**



**#8 Decent Work & Economic Growth**



**#9 Industry, Innovation & Infrastructure**



**#10 Reduced Inequalities**



**#11 Sustainable Cities & Communities**



**#12 Responsible Production & Consumption**



**#13 Climate Action**



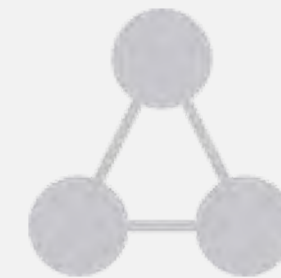
**#14 Life Below Water**



**#15 Life On Land**



**#16 Peace, Justice and Strong Institutions**

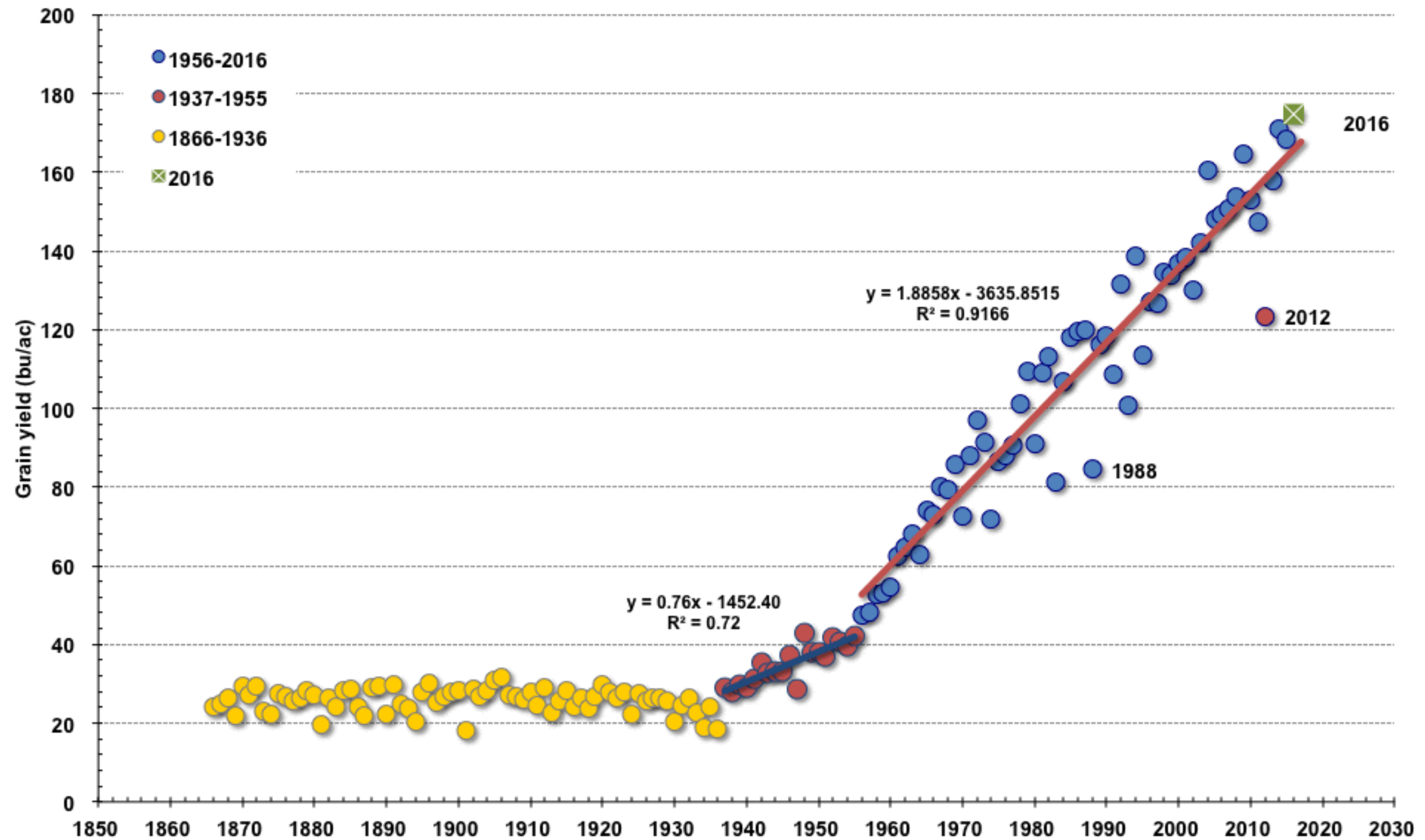


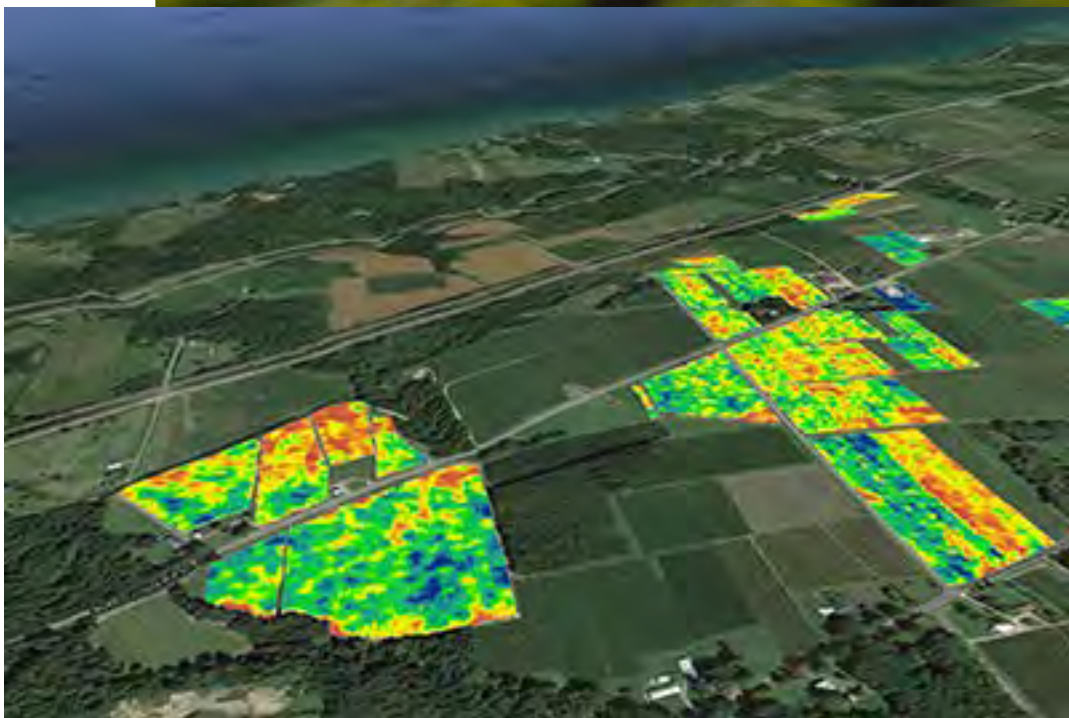
**#17 Partnerships for the Goals**



# U.S. Corn Grain Yield Trends Since 1866

Data Source: USDA-NASS (as of Jan 2017)

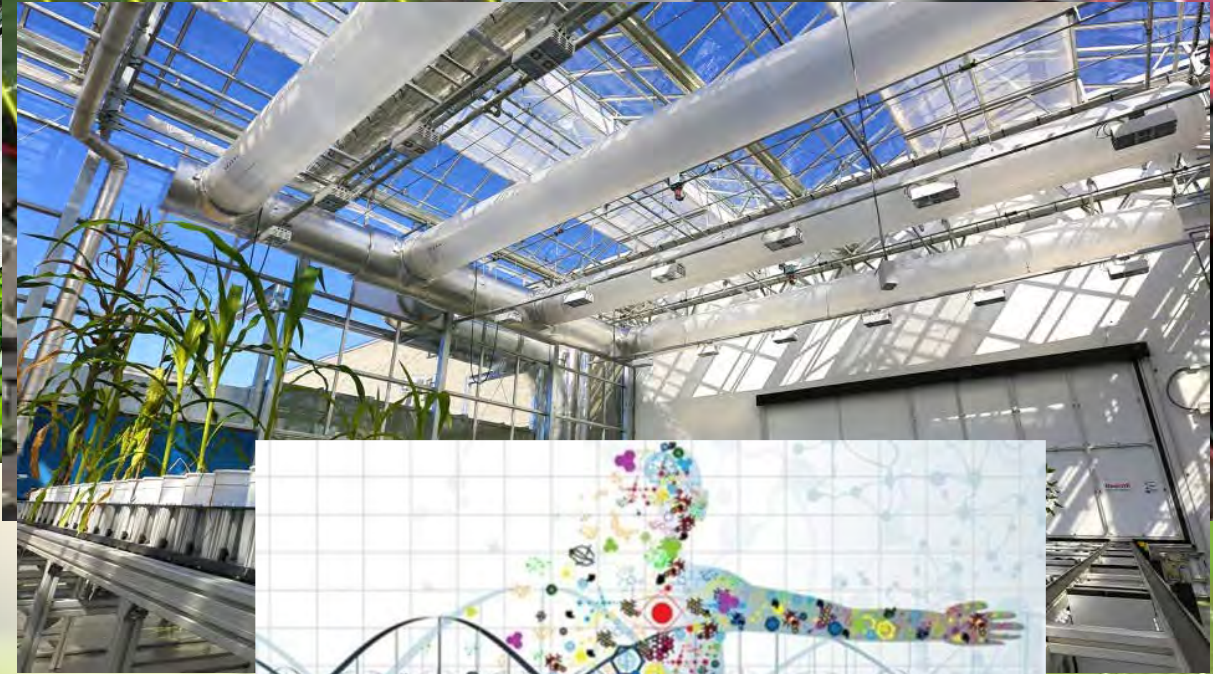
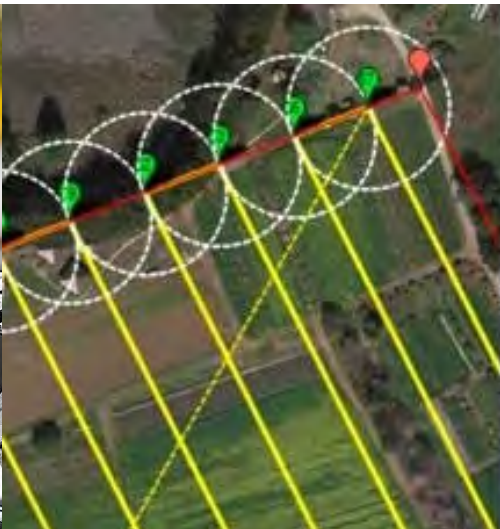




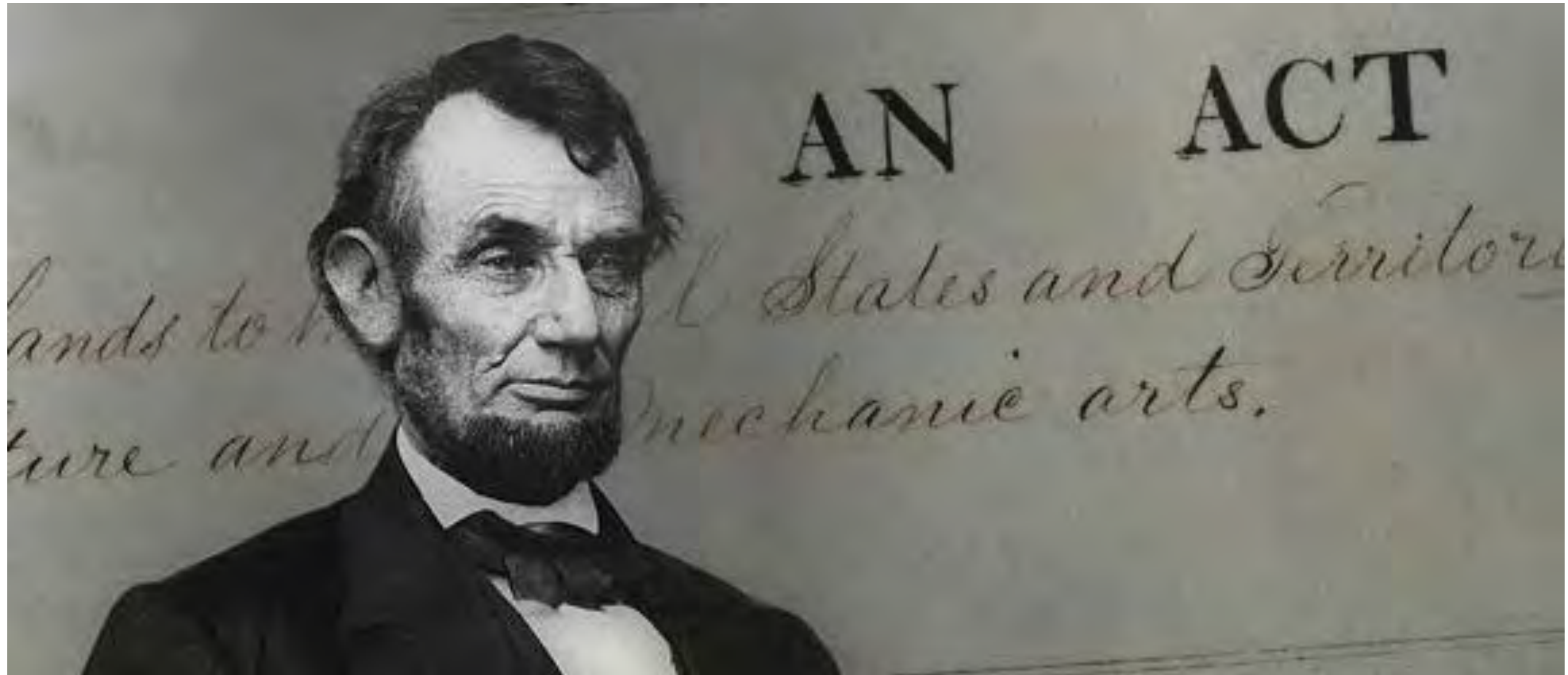
**BLUE RIVER**  
TECHNOLOGY

Optimize Every Plant

Blue River Technology is building the next generation of smart agriculture equipment. We're introducing See & Spray technology, enabling a world in which every plant counts.







**1862....1887.1890....1914.....1994**

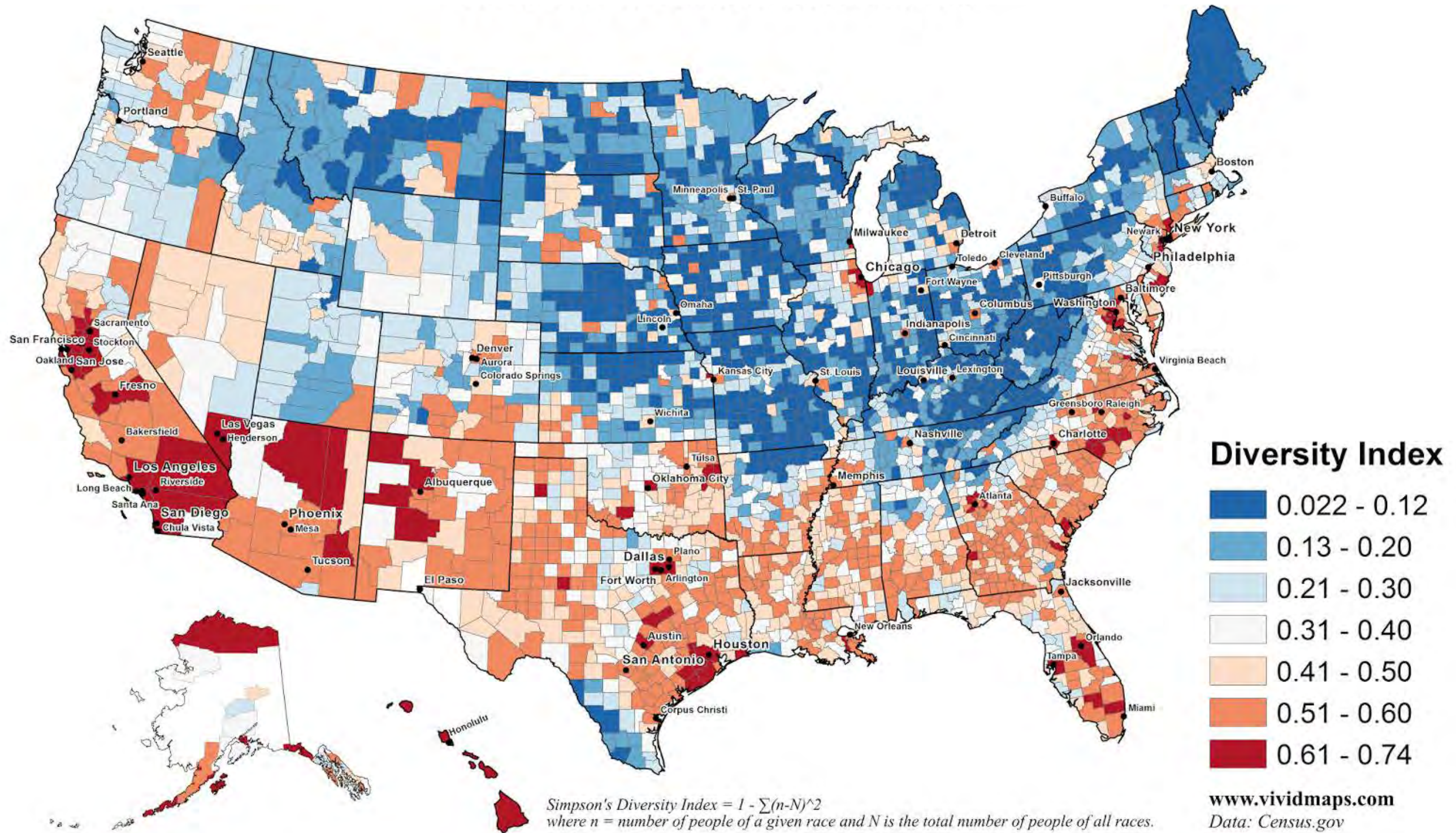
Teaching & Learning, Research & Discovery, and Extension & Engagement



*Minding the gaps...our access mission*

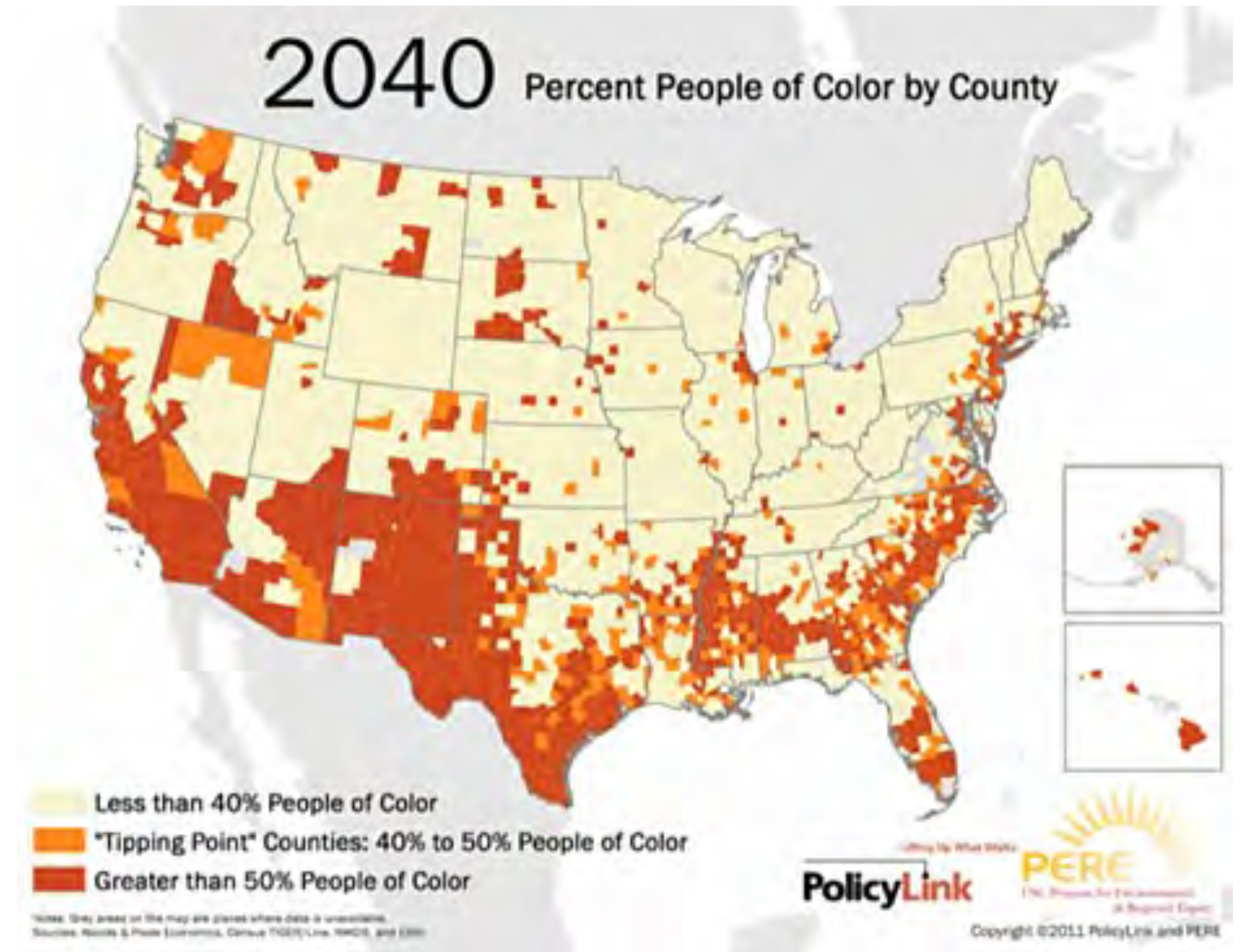
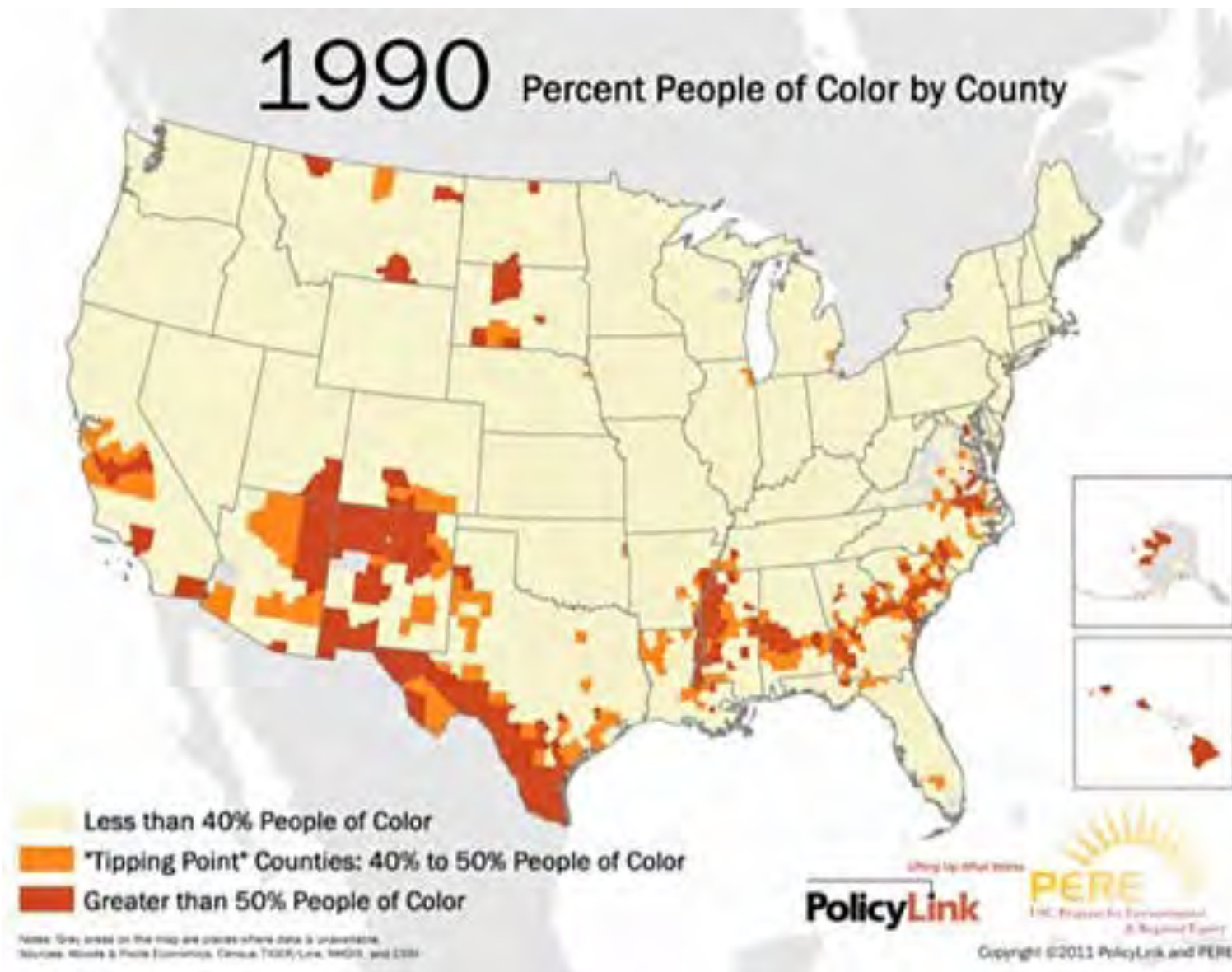
**APAT**

# How diverse is the United States?



# Projected Change in U.S. Demographics

<http://maptd.com/the-changing-face-of-america/>



Are we keeping pace?



# Who goes hungry?

Hunger can affect people from all walks of life. Many Americans are one job loss or medical crisis away from food insecurity – but some people, including children and seniors, may be at greater risk of hunger than others. Get the facts.



Child hunger >



Senior hunger >



Rural hunger >



African American hunger >



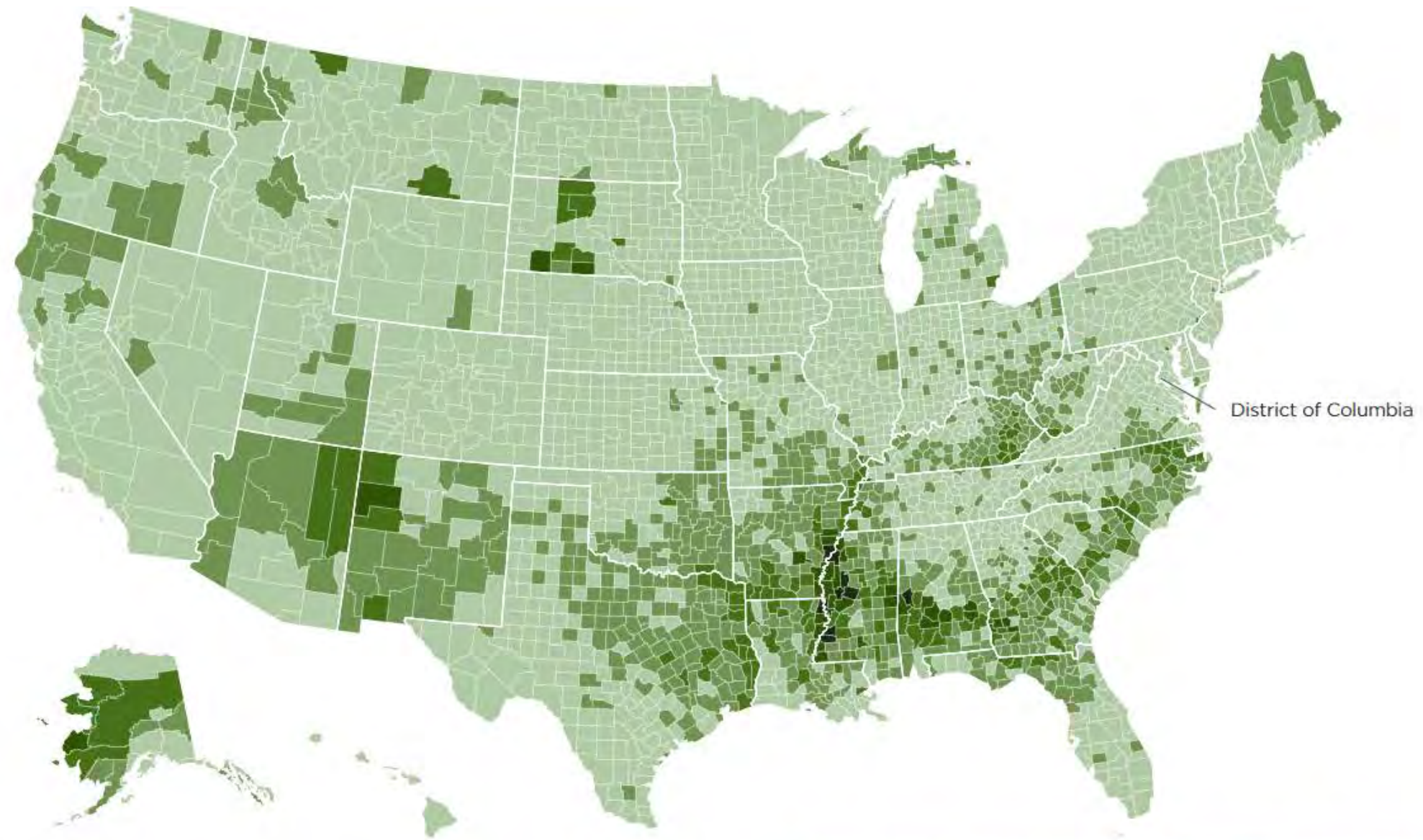
Latino hunger >



Hunger and poverty >



Every community in the country is home to people who struggle with hunger. Since federal nutrition programs don't reach everyone in need, food banks help fill the gap. Learn more about local food insecurity by exploring data from Feeding America's annual Map the Meal Gap study. When we better understand hunger, we can **help end hunger**.



2017 Overall County Food Insecurity in The United States



# Lumina's Goal

Lumina Foundation is committed to increasing the proportion of Americans with high-quality degrees, certificates and other credentials to 60 percent by 2025. Lumina's outcomes-based approach focuses on helping to design and build an equitable, accessible, responsive and accountable higher education system while fostering a national sense of urgency for action to achieve this goal.



[DOWNLOAD THE STRATEGIC PLAN, 2017-20](#)



Lumina's goal—that 60% of Americans hold degrees, certificates or other high-quality postsecondary credentials by 2025—is essential to meeting our nation's growing need for talent.

Between now and 2025, assuming current rates of degree and certificate production continue, about 24.2 million Americans will earn postsecondary credentials. To reach the goal, **16.4 million** more need to be added to that total. Lumina is committed under our current strategic plan to make substantial progress by 2020 toward this total. Specifically, our target is to increase attainment by **5.9 million** over the next three years. These

## How Nebraska compares to the nation

Educational attainment in Nebraska exceeds the national average, but work remains before it reaches 60 percent.



## Nebraska's progress

To reach state goals, the state will not only have to maintain current rates of attainment but also significantly increase the number of people who enroll in programs and earn all types of credentials beyond high school. With the inclusion of workforce certificates (beginning in 2014), **Nebraska's overall rate of educational attainment has increased by 7.7 percentage points since 2008.**



\*Since 2014, workforce-relevant certificates have been included in the total of postsecondary credentials.

## Comparing Nebraska Counties



Exploring educational attainment at the local level can be especially helpful to state and local leaders as they work on talent development. For example, by pinpointing counties or regions where attainment lags, resources can be targeted where they're needed most. Conversely, in areas of high attainment, other regions may find practices or processes they can emulate.

**Compare degree attainment rates across Nebraska's 93 counties.** Attainment is shown here as the percentage of people ages 25-64 with at least an associate degree.\*

sort by COUNTY NAME ▼▲  
 POPULATION ▼▲  
 \*ATTAINMENT ▼▲

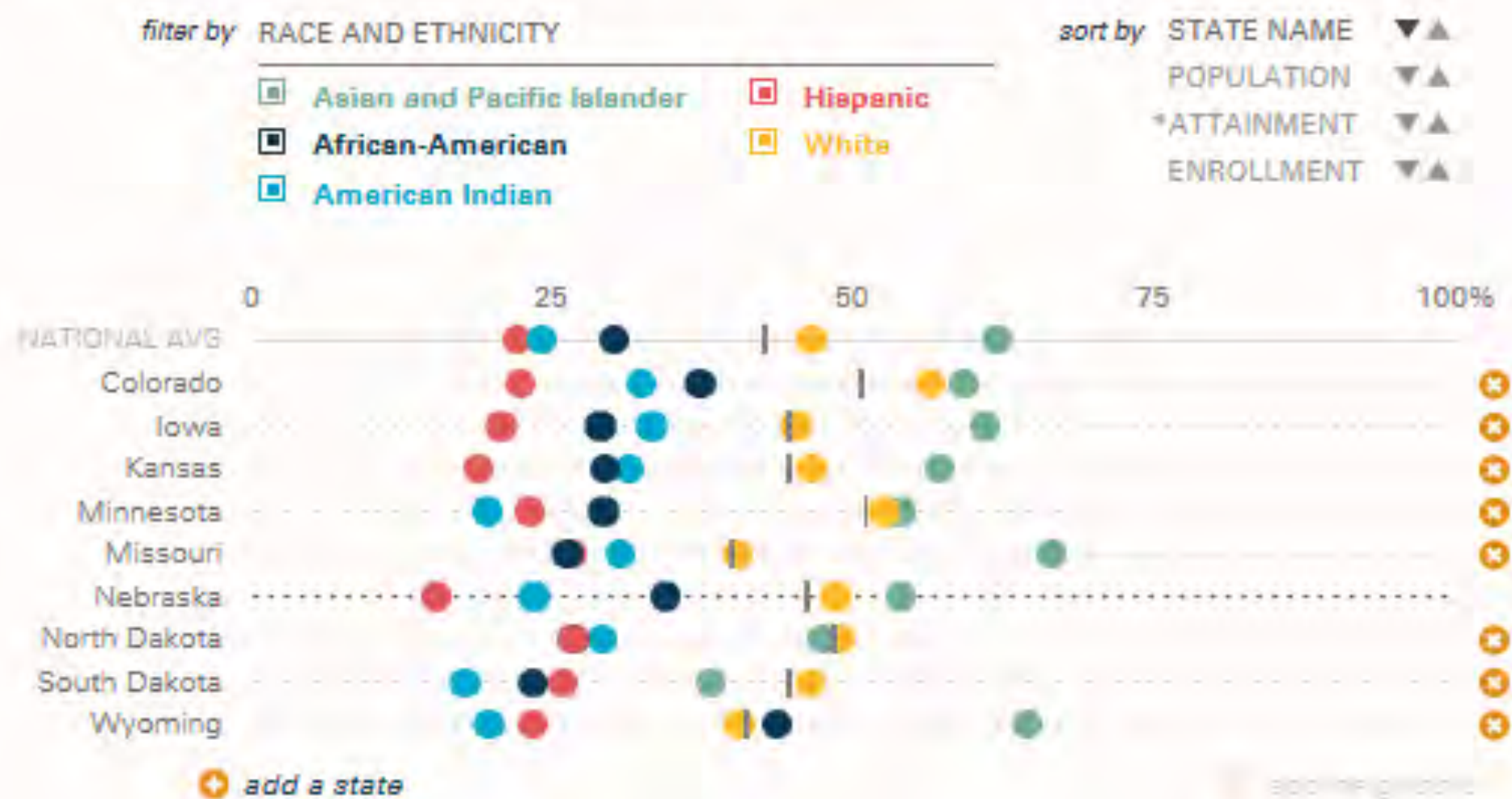
53.8%	51.8%	51.3%	48.8%	47.6%	47.3%	47.2%	47.1%	46.1%	45.8%
Wayne	Lancaster	Sarpy	Seward	Douglas	Pierce	Washin...	Dawes	Sioux	Arthur
45.8%	45.4%	44.8%	44.3%	43.5%	43.2%	43.0%	42.2%	42.1%	42.0%
Buffalo	York	McPher...	Hooker	Grant	Saunders	Holt	Cedar	Nemaha	Pheips
41.8%	41.3%	41.1%	41.0%	41.0%	40.9%	40.8%	40.8%	40.0%	40.0%
Stanton	Hamilton	Sheridan	Keith	Cass	Madison	Thomas	Frontier	Fillmore	Cheyen...
39.6%	39.0%	38.6%	38.5%	38.4%	38.4%	38.3%	38.2%	38.1%	38.1%
Knox	Polk	Garden	Blaine	Thayer	Cuming	Logan	Gage	Lincoln	Adams
37.9%	37.8%	37.7%	37.6%	37.4%	37.2%	37.1%	37.1%	36.9%	36.9%
Dundy	Furnas	Antelope	Kearney	Otoe	Boone	Webster	Custer	Platte	Gosper
36.8%	36.4%	36.1%	36.1%	36.0%	35.9%	35.8%	35.8%	35.6%	35.6%
Greeley	Wheeler	Perkins	Clay	Valley	Hayes	Nuckolls	Red Wir...	Franklin	Scotts...
35.5%	35.3%	35.3%	35.3%	35.3%	35.0%	34.9%	34.9%	34.8%	34.3%
Burt	Chase	Loup	Butler	Morrill	Hartan	Banner	Kaye P...	Cherry	Boyd
34.2%	34.1%	33.7%	33.6%	33.1%	32.4%	31.8%	31.0%	31.0%	31.0%
Brown	Deuel	Box Butte	Howard	Dixon	Richard...	Rock	Nance	Hitchcock	Dodge
30.8%	30.5%	30.5%	30.4%	30.3%	30.3%	30.1%	28.3%	28.2%	27.7%
Hall	Merrick	Sherman	Garfield	Johnson	Pawnee	Saline	Kimball	Jefferson	Thureton
26.9%	24.7%	20.5%							
Dawson	Colfax	Dakota							

## Results by race and ethnicity in Nebraska



A growing proportion of today's learners are African-American, Hispanic, and American Indian; and data show persistent and troubling gaps between their attainment levels and those of their white peers. Addressing these gaps – and expanding post-high-school learning opportunities for all – is essential to reducing the inequality that influences much of American life.

Explore **Nebraska's attainment rates across five racial and ethnic groups**, and see how it performs relative to other states. Attainment is shown here as the percentage of residents, ages 25-64 with at least an associate degree.\*



**N**

**2025**

Learn more at the 'State of Our University Address' – February 14 – SAVE THE DATE





