Roadmap for Today’s Conversation

- Fiscal outlook / factors to watch
- Quick check on UNL strategic goals timelines and progress
- Welcoming new faculty!
Roadmap for Today’s Conversation

- Optimizing resources and structure
- Honoring servant leadership of faculty and staff
- Infrastructure growth plans / progress
Paying Attention to the Outside World
Annual Net Farm Income
In Nebraska: 2001-2012

Year

Net Farm Income (Billion $)

2012 = $5.9B

2001-2011 Average (3.26)

Historical Trend

Source: ERS/USD
AG Economy Has Been in an Unprecedented Time – But Now Slowing

$5B

- Renewable fuel standards?
- Livestock expansion?
- “Anti-science” regulation?
2013 Farm Real Estate Value by State
Dollars per Acre and Percent Change from 2012

USDA - NASS
August 2, 2013
NDMC authorizing language in Commerce bill

NIDIS authorizing language in Commerce bill

Animal research authorizing language
Paying Attention to the World
State Funding

- UNL is ~20% state funded, one of highest in APLU (IANR is 46%)
- Biennium budget for FY 14/15
  - Tuition affordability compact passed with ~4% per annum increases in NU budget
  - $2.5M per year in POE funding (was $1M)
  - Approximate 3% salary increase per year
State Funding

- Net effect – modest budget re-allocation to make permanent in FY 14
- Unicameral now in short session through April
  - Water funding request for $50M
  - Tax reform proposals
  - Climate assessment response
  - Transfer credits amongst state institutions
  - Public information laws on university searches
State Funding

- Budget preparation year for FY 16/17 now underway
  - Engineering, infrastructure, PoE, NCTA
- Uncertainty surrounding state leadership – new executive and legislative team in 2015 session
Leaving NU: J.B. Milliken praised as he looks toward future with CUNY system

By Kate Howard Perry / World-Herald staff writer
Federal Capacity Funding
<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2012</th>
<th>FY 2013</th>
<th>FY 2014</th>
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<tbody>
<tr>
<td>Smith-Lever</td>
<td>294.0</td>
<td>271.6</td>
<td>300.0</td>
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<tr>
<td>Hatch</td>
<td>236.3</td>
<td>218.4</td>
<td>243.7</td>
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<td>McIntire-Stennis</td>
<td>32.9</td>
<td>30.4</td>
<td>34.0</td>
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<td>AFRI</td>
<td>264.5</td>
<td>277.0</td>
<td>316.4</td>
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GROWING A HEALTHY FUTURE

FOOD • FUEL • WATER • LANDSCAPES • PEOPLE

- PCAST
- AGree
- Chicago Council on Global Affairs
- Council on Competitiveness
- SOAR (Supporters of Ag Research)
WORKING TO MEET THE WORLD’S GROWING FOOD NEEDS

HEUERMANN LECTURES

2013

2014
REPORT TO THE PRESIDENT ON
AGRICULTURAL PREPAREDNESS
AND
THE AGRICULTURE
RESEARCH ENTERPRISE

Executive Office of the President
President’s Council of Advisors on
Science and Technology

DECEMBER 2012
Increase AFRI from $265 to $500 M
Increase NSF basic funding for food and ag from $120 to $250 M
$180 M in USDA fellowship funding for graduate students and postdocs
Create six innovation clusters at $150 M per year focused on emerging challenges in ag and food
Create a permanent scientific advisory committee to advise the USDA Chief Scientist
GROWING A HEALTHY FUTURE

FOOD • FUEL • WATER • LANDSCAPES • PEOPLE
Goals

- Increase Enrollment to 30,000
- Increase Faculty by ~170
- Increase 6-yr graduation rate to 70%
- Increase research expenditures to $300 M
- Increase national/international recognition of faculty
- Successfully launch phase I of Nebraska Innovation Campus
Progress on 2018 Goals

1) 9\textsuperscript{th} consecutive year of enrollment growth in Ag & Nat Res (\textit{3.9 and 5.9\% increase leading UNL})
   Fall 2014 admits up 24\%
2) First 6 months of FY14 on track to exceed 2012 record year for external funding (\$41.2M vs \$37.4M)
3) 6-year graduation rate of \textit{\sim 78\%}
4) Increasing tenure-track faculty by \textit{\sim 13\% (46 FTE)} with additional 20 planned in phase II.
5) Leading the population and development of phase I of Nebraska Innovation Campus
Private Giving to the University is at an All-Time High . . .

> $1.5 B

~ $108 M

$250 M

“25 by 2025”

Endowed Chair Campaign
1) Funding for Veterinary Diagnostic Lab
2) Funding for Nebraska Innovation Campus Phase I implementation.
3) Funding for major infrastructure investments on UNL east campus.
4) Funding for growth in Nebraska-wide research and extension campus.
5) Funding for 25 Presidential Chairs in priority areas – currently 4 with 2 pending
Priority Positions – Status

- 36 Positions – hired 2 for two positions (therefore total of 38)
- 31 hires complete
- 4 searches ongoing
- 3 on hold
Community Leadership Development

Lindsay Hastings

Assistant Professor
Agricultural Leadership, Education, & Communication
Director of Nebraska Human Resources Institute

EDUCATION: Ph.D., University of Nebraska-Lincoln
START DATE: July 1, 2013
Advanced Machinery Systems Engineer

Santosh Pitla

Assistant Professor
Biological Systems Engineering

EDUCATION: Ph.D., University of Kentucky

START DATE: October 1, 2013
Rangeland Ecologist

Dirac Twidwell

Assistant Professor
Agronomy & Horticulture

EDUCATION: Ph.D., Texas A&M University
START DATE: November 4, 2013
Behavioral Economist

Simanti Banerjee

Assistant Professor
Agricultural Economics

EDUCATION: Ph.D., Pennsylvania State University
START DATE: August 1, 2014
Micrometeorologist

Andy Suyker

Associate Professor
School of Natural Resources

EDUCATION: Ph.D., University of Nebraska-Lincoln

START DATE: July 1, 2013
Cropping Systems Agronomist

Patricio Grassini

Assistant Professor
Agronomy & Horticulture

EDUCATION: Ph.D., University of Nebraska-Lincoln

START DATE: November 15, 2013
Croppping Systems Agronomist

Roger Elmore

Professor
Agronomy & Horticulture

EDUCATION: Ph.D., University of Illinois

START DATE: January 13, 2014
Life Sciences Education

Joe Dauer

Assistant Professor
School of Natural Resources

EDUCATION: Ph.D., Pennsylvania State University

START DATE: August 15, 2013
Science Literacy Coordinator

Cory Forbes

Associate Professor
School of Natural Resources

EDUCATION: Ph.D., University of Michigan
START DATE: January 2, 2014
Science Literacy Specialist

Jenny Melander

Assistant Professor
Biological Systems Engineering

EDUCATION: Ph.D., University of Missouri-Kansas City

START DATE: August 1, 2013
Plant Arthropod Interactions

Joe Louis

Assistant Professor
Entomology & Biochemistry

EDUCATION: Ph.D., University of North Texas
START DATE: October 7, 2013
Plant Molecular Physiologist

Rebecca Roston

Assistant Professor
Biochemistry

EDUCATION: Ph.D., University of California-Davis

START DATE: July 1, 2014
Plant Molecular Physiologist

Daniel Schachtman

Professor
Agronomy & Horticulture

EDUCATION: Ph.D., The Australian National University

START DATE: February 3, 2014
Advanced Sensing Systems Engineer

Yufeng Ge

Assistant Professor
Biological Systems Engineering

EDUCATION: Ph.D., Texas A&M University
START DATE: January 1, 2014
Plant Biotic Stress Biologist

Lirong Zeng

Assistant Professor
Plant Pathology

EDUCATION: Ph.D., Ohio State University
START DATE: July 1, 2014
Plant Virologist

Hernan Garcia-Ruiz

Assistant Professor
Plant Pathology & Nebraska Center for Virology

EDUCATION: Ph.D., Oregon State University

START DATE: July 1, 2014
Animal Stress Physiologist

Dustin Yates

Assistant Professor
Animal Science

EDUCATION: Ph.D., New Mexico State University

START DATE: March 15, 2014
Functional Genomics

Jessica Petersen

Assistant Professor
Animal Science

EDUCATION: Ph.D., University of California-Davis
START DATE: January 1, 2014
Animal Breeding Genomics

Ron Lewis

Professor
Animal Science

EDUCATION: Ph.D., Virginia Polytechnic Institute and State University

START DATE: January 6, 2014
Theoretical Quantitative Geneticist

Gota Morota

Assistant Professor
Animal Science

EDUCATION: Ph.D., University of Wisconsin-Madison, expected May 2014

START DATE: August 1, 2014
Agroecosystems Ecologist

Julie Peterson

Assistant Professor
Entomology

EDUCATION:  Ph.D., University of Kentucky

START DATE:  March 3, 2014
Quantitative Ecologist

Sydney Everhart

Assistant Professor
Plant Pathology

EDUCATION: Ph.D., University of Georgia

START DATE: August 18, 2014
Computational Sciences

James Schnable

Assistant Professor
Agronomy & Horticulture

EDUCATION: Ph.D., University of California-Berkeley

START DATE: May 1, 2014
Tomáš Helikar

Assistant Professor
Biochemistry

EDUCATION: Ph.D., University of Nebraska Medical Center
START DATE: September 9, 2013
Behavioral Economics and Health Disparities

Christopher Gustafson

Assistant Professor
Agricultural Economics

EDUCATION: Ph.D., University of California-Davis
START DATE: September 1, 2013
Childhood Health Behaviors Extension Specialist

Dipti Dev

Assistant Professor
Child, Youth and Family Studies

EDUCATION: Ph.D., University of Illinois

START DATE: January 1, 2014
Food Safety Risk Assessment

Bing Wang

Assistant Professor
Food Science & Technology

EDUCATION: Ph.D., Iowa State University
START DATE: January 1, 2014
Food Lipid Chemistry & Functionality

Ozan Nazim Ciftci

Assistant Professor
Food Science & Technology

EDUCATION: Ph.D., University of Gaziantep, Turkey
START DATE: April 1, 2014
Lipid Metabolism & Health

Soonkyu Chung

Assistant Professor
Nutrition & Health Sciences

EDUCATION: Ph.D., University of North Carolina-Greensboro

START DATE: January 1, 2014
Mary Drewnoski

Assistant Professor
Animal Science

EDUCATION: Ph.D., North Carolina State University

START DATE: April 1, 2014
Forage/Crop Residue Specialist

Daren Redfearn

Associate Professor
Agronomy and Horticulture

EDUCATION: Ph.D., University of Nebraska-Lincoln
START DATE: June 16, 2014
Other Hires – since January 1, 2012

- **Water cluster (5)**
  - Crop simulation modeler
  - Irrigation engineer
  - Hydroinformaticist
  - Hydrogeophysicist
  - Cropping systems Agronomist

- **Ag Economics cluster (3)**
  - Marketing and risk management economist
  - Grain, oilseed, and biofuel economist
  - Livestock economist

- **Additional hires (17)**
  - 17 positions in 10 departments
Hires – since January 1, 2012

- Priority Positions – 38 positions (including 7 in process)
- Water Cluster – 5 positions
- Ag Economics Cluster – 3 positions
- Additional Hires – 17 positions

- 63 new hires – total faculty (tenure track/tenured) in IANR now 346
  - 22%

- There are also 255 non-tenure track faculty members in IANR
Phase I = 38 + 5 + 3

Phase II = 20?
IANR to 2025
Facilities and Infrastructure
Teaching, Research, and Extension

IANR = 38,950 acres
NU = 43,734 acres
1,957 people passionate about making a difference

- **1,094** IANR employees work on campus
- **863** IANR employees are located in Nebraska communities statewide
- **635** total faculty (7 in recruitment)
East Campus Master Plan

... The map to follow for any project
East Campus Recreation Center

Open Late
Summer 2015
Veterinary Diagnostic Center

Opening in 2017
Biofibers Research Lab

Opened in Fall 2013
Commodity Trading Room
Dept. of Ag. Economics, Filley Hall 57

Opening in Spring 2014
Classroom Enhancements

Chase 116

Ruth Leverton 304

Upgrades for Filley 115 & 210, Plant Science 199
Consortium for Integrated Translational Biology
Creating a transdisciplinary environment to bridge the genotype to phenotype gap

Lab to Field Infrastructure
Additional Campus Projects

- Ag Communications – office upgrades
- ANSC feed storage bldg – in progress
- ANSC hoop structure from ARDC
- Beadle/Bioinformatics – in progress
Proposed South “Gates” to East Campus
“Legacy” Plaza
Burr/Fedde Residence Halls

Ongoing Discussions
Biochemistry/Miller Hall

Potential Spaces for new Housing
Holdrege St – АΓΡ House
Holdrege Street – 35 West

Opening March 1
Innovation Campus
Phase 1 Building – 350,000 sq. feet

UNL Dept. of Food Science and Technology!!
Havelock Farm – Popcorn Research

Planned Completion – Summer 2014
Stumpf International Wheat Center

Selecting Design Firm
Opening Late 2014
WCREC – New Entomology Bldg

Completion – spring 2014
WCREC – Snyder Addition

Scheduled to be completed by April 2014
PHREC Elliott Building Upgrade
HPAL – New Hdqrs Bldg at Sidney

Scheduled to be completed by May 2014
Animal Handling Facility
Panhandle REC
Off Campus Projects
(309 Funds)

• Machine Storage at Brule – Done
• Waste Management Facility at ARDC - Done
• Pedestrian Bridges at Haskell – Done
• New roofs at Gudmundsen & West Central REC – Done
State Fair "Ag Literacy" Learning Center
Servant Leaders
Panhandle REC

Gary Hergert

Jim Schild
Northeast REC

Twig Marston  Bill Kranz  Denny Bauer
School of Veterinary Medicine and Biomedical Sciences

David Hardin

Don Beermann
UNL Extension

Wayne Moore
Associate Director
Servant Leaders

Daniel Cady
Director
NE Local Technical Assistance Program
17 Years of Service
Betty Castan
Associate Video Media
Ed Media
44 Years of Service
Servant Leaders

Tom Dorn
Extension Educator
Southeast REC
33 Years of Service
Servant Leaders

Marion Ellis
Professor
Entomology
18 Years of Service
Servant Leaders

John Foster
Professor
Entomology
19 Years of Service
Servant Leaders

Roy French
Adjunct Professor
Plant Pathology
26 Years of Service
Servant Leaders

Mark Gustafson
Director
Rural Futures Institute
7 Years of Service
Servant Leaders

Ronald Harris
Ag Research Technician
USMARC
32 Years of Service
Servant Leaders

Mary Ann Holland
Extension Educator
Southeast REC
42 Years of Service
Judy Huff
Office Associate
Animal Science
29 Years of Service
Servant Leaders

Bruce Johnson
Professor
Agricultural Economics
38 Years of Service
Servant Leaders

Eileen Jepsen
Food Service Associate
NCTA
24 Years of Service
Servant Leaders

Lilo “Lee” Johnson
Office Associate
SVMBS
28 Years of Service
Servant Leaders

Nelvie Lienemann
Administrative Support
Associate
ARD
27 Years of Service
Servant Leaders

Abe Lineberry
Motor Transport Operator
NE Forest Service
3 Years of Service
Servant Leaders

Sandy Lineberry
Office Associate
NE Forest Service
32 Years of Service
Alan Moeller
Assistant Vice Chancellor
IANR
36 Years of Service
Servant Leaders

Connie Paxton
Business Associate
Natural Resources
Business Center
18 Years of Service
Servant Leaders

Jack Schinstock
Associate Dean & Professor
Biological Systems Eng.
36 Years of Service
Servant Leaders

Bonita Schuster
Office Assistant
Agricultural Economics
29 Years of Service
Mary Spalding
Professor
School of Natural Resources
39 Years of Service
Servant Leaders

Roy Spalding
Professor
Agronomy & Horticulture
39 Years of Service
Servant Leaders

Cindy Strasheim
Extension Educator
Southeast REC
30 Years of Service
Servant Leaders

Gary Varvel
USDA-ARS
Agronomy & Horticulture
30 Years of Service
Servant Leaders

Ken Vogel
USDA-ARS
Agronomy & Horticulture
39 Years of Service
WORKING TO MEET THE WORLD’S GROWING FOOD NEEDS
HEUERMANN LECTURES

OUR CULTURE WAR
OVER FOOD AND FARMING

DR. ROBERT PAARLBERG
BETTY FREYHOF JOHNSON ’44 PROFESSOR,
DEPARTMENT OF POLITICAL SCIENCE, WELLESLEY COLLEGE;
AUTHOR OF “FOOD POLITICS: WHAT EVERYONE NEEDS TO KNOW”

3:30 P.M. THURSDAY, FEB. 27
3:00 P.M. RECEPTION

LOCATION:
HARDIN HALL, 33RD AND HOLDRIDGE, LINCOLN, NE
GROWING A HEALTHY FUTURE

FOOD • FUEL • WATER • LANDSCAPES • PEOPLE