



## North Central Regional Association of State Agricultural Experiment Station Directors

218<sup>th</sup> Meeting

Via Zoom: <https://us02web.zoom.us/j/83347790494?pwd=SjBRMExBMkJRWWR6bElxam1GT2ZGZz09>

Meeting ID: 833 47790494, Password: NCRA!

11 am ET, 10 am CT

Tuesday, September 15, 2020

Meeting AGENDA ([Click here for MINUTES](#))

Date/Time	Agenda Item	Topic	Presenter(s)	Action Requested
11:00 am	1.0	Call to Order and Roll Call	Greg Cuomo, NCRA Chair 2020	
	2.0	Approval of Spring 2020 Minutes: ( <a href="https://www.ncra-saes.org/agendas-minutes">https://www.ncra-saes.org/agendas-minutes</a> )		Approval
	3.0	Adoption of the Agenda	Greg Cuomo	Approval
11:05 am	<a href="#">4.0</a>	Resolutions Committee Report	Shawn Donkin	Approval of Resolution
11:15 am	<a href="#">5.0</a>	NCRA Office Budget Update	Greg Cuomo, Chris Hamilton, Jeff Jacobsen	For information
11:20 am	6.0	NRSP Process and Vote (NRSPs, new Guidelines)	Doug Buhler, Jeff Jacobsen	For information
11:30 am	<a href="#">7.0</a>	Annual ESS Budget	Jeff Jacobsen	For information/discussion
11:35 am	8.0	CMC Assessment and Program	Jeff Jacobsen	For information/discussion
11:50 am	9.0	Infrastructure Report (Gordian/Sightlines)	Jeff Jacobsen	For information
11:55 am	<a href="#">10.0</a>	Changing of the Guard – NCRA Chair	Greg Cuomo, George Smith	For information
12:00 noon	<i>Adjourn</i>			

## Meeting MINUTES

**Participants:** Bill Barker, Deb Hamernik, Greg Cuomo, Gary Pierzynski, Joe Colletti, Mart Draper, Bill Gibbons, Marshall Martin, Doug Buhler, Bernie Engel, Frank Casey, Shibu Jose, Shawn Donkin, George Smith, Archie Clutter, German Bollero, Anne Dorrance, Tim Conner, Hector Santiago, Jeff Jacobsen, Chris Hamilton (recorder).

Agenda Item	Topic	Notes	Action Taken
1.0	Call to Order and Roll Call	Chair Cuomo called the meeting to order and Chris recorded the participants list above.	None, for information.
2.0	Approval of Spring 2020 Minutes: ( <a href="https://www.ncra-saes.org/agendas-minutes">https://www.ncra-saes.org/agendas-minutes</a> )	Meeting minutes from the spring 2020 NCRA zoom meeting were approved.	Minutes Approved.
3.0	Adoption of the Agenda	Agenda was approved as distributed.	Agenda approved as distributed.
4.0	Resolutions Committee Report	Shawn Donkin read the <a href="#">Resolution of Appreciation</a> for Deb Hamernik, who recently departed UNL and the NCRA for a position with USDA NIFA. The group heartily thanked her for all she has done for the NCRA. Deb also provided a brief update of recent changes and her activities to date with NIFA. Shawn will mail Deb a formal copy of the resolution.	The Resolution of Appreciation for Dr. Deb Hamernik was approved and Shawn will send her a formal copy.
<a href="#">5.0</a>	NCRA Office Budget Update	Chris and Jeff provided a brief update on the status of the NCRA office budgets at MSU and UW. The NCRA office is running significantly under budget due to cuts to MSU salary, fringe (retirement contributions), as well as UW furlough and the lack of travel so far since March 2020. Jeff also indicated that because of the cuts, the reserves in the MSU and UW account (\$75,000 and \$35,000, respectively) will be met within this FY, rather than slowly accumulated over time.	None, for information only.

6.0	NRSP Process and Vote (NRSPs, new Guidelines)	<p>Doug Buhler briefly reviewed the NRSP-RC recommendations of the formal ESS electronic vote and previously shared with the NCRA as a slide presentation. NRSP voting is now open and will close 15 minutes after Doug’s NRSP-RC presentation on 10/1/2020 at the Fall ESS Business Meeting Zoom.</p> <p>Joe Colletti thanked Doug for his leadership on the NRSP-RC and Jeff for taking the lead on updating the NRSP Guidelines. Doug thanked Jeff and Chris for their support on the NRSP-RC.</p>	None, for information only.
<a href="#">7.0</a>	Annual ESS Budget	<p>Jeff reviewed the processes for approving the annual ESS budget and CMC assessment, once the final plan for the latter is released, likely after the 10/1/2020 ESS meeting. There will be a formal presentation of the FFY21 ESCOP budget items for approval during the ESS fall business meeting on 10/1.</p> <p>Jeff also reminded the group that there is a ~\$600,000 surplus for the ESCOP funds held at APLU that has been approved to be invested with TD Wealth. The plan is to have the funds readily available in a liquid fund, should ESCOP need to access them. George Smith reminded the group that these funds came from state money and perhaps should be used for projects that benefit the Experiment Station system, rather than remain unused in an account, especially as LGUs face budget cuts due to the COVID-19 pandemic. One option suggested for these surplus funds would be to suspend ESCOP’s CMC assessment for a year or two, which would require a 2/3 vote from ESS.</p>	None, for information/discussion.

		<p>More information to come on this at the Fall ESS business meeting on 10/1.</p>	
8.0	CMC Assessment and Program	<p>The <a href="#">Forbes Tate strategic plan</a> for BAA (Board on Agriculture Assembly) communications and marketing has been released and calls for APLU to hire a point person and part-time staff to work on these issues for the system, together with individual LGU communications staff. This plan is not yet final and will be released in more detail for a vote, likely after the ESS meeting. The cost would tentatively be \$300,000 per year to be shared across ESCOP, ECOP, and AHS. Thus ESCOP's portion would be about \$100,000, which is less than the previous CMC assessments. The contract with the APLU communications point person would be for two years. This is all subject to change until the final report is released and a formal proposal comes forward to ESS.</p> <p>The NCRA directors discussed a need for strong metrics of success and whether or not this is a good use of funds, or is it duplicitous to the efforts of the individual state communicators. Jeff indicated that metrics have been built into the draft report and have been included in on-going discussion. Doug mentioned that some states, especially smaller ones and insulars in WAAESD, don't have the funds to support their own communications staff and might greatly benefit from a national effort like this.</p> <p>More to come on this effort at the 10/1/2020 fall ESS business meeting, as well.</p>	None, for information/discussion.

9.0	Infrastructure Report (Gordian/Sightlines)	Jeff reminded the group that APLU is hosting an webinar on the <a href="#">Gordian report</a> at 2 pm ET on 9/15. This webinar will be recorded for those unable to attend. Here is the <a href="#">link</a> to the recording and the passcode is <b>5udfr=Hs</b> .	For information only.
<a href="#">10.0</a>	Changing of the Guard – NCRA Chair	<p>George Smith thanked Greg Cuomo for serving as NCRA chair during the unique time of the COVID-19 pandemic. He also informed the group that Greg has been sent a plaque to commemorate his time as the NCRA chair.</p> <p>Chris indicated that she’s reached out to all the new officers and committee members listed in the brief, but please contact her if there are any questions about these roles.</p>	For information only.

Meeting adjourned at 12 noon ET.

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**Item 4.0: Resolutions Committee Report**

**Presenter: Shawn Donkin**

## **NORTH CENTRAL REGIONAL ASSOCIATION OF STATE AGRICULTURAL EXPERIMENT STATION DIRECTORS**

**WHEREAS** Deb Hamernik, Ph.D., Professor of Animal Sciences and Associate Vice Chancellor of Research and Economic Development at the University of Nebraska-Lincoln (UNL) and Interim Vice Provost for the University of Nebraska System has, after completing many years of outstanding research, teaching, and administrative service recently accepted a position as Division Director of Animal Systems for the Institute of Food, Production, and Sustainability at the United States Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA),

**WHEREAS** Dr. Hamernik began her post-secondary education at Platte Technical Community College in 1977 and earned a BS in Animal Science from the UNL in 1981, an M.S. in Animal Science from Washington State University in 1983 and a Ph.D. in Reproductive Endocrinology from Colorado State University in 1991,

**WHEREAS** Dr. Hamernik began her career at the UNL in 1991 where she led an active research program in Reproductive Endocrinology with a focus in gonadotropin biology,

**WHEREAS** Dr. Hamernik left the UNL to hold a faculty position at the University of Arizona, and then served as Program Director for the USDA - Cooperative State Research, Education, and Extension Service (CSREES) National Research Initiative (NRI) competitive grants program from 1997-2001, then as a Scientific Review Administrator in the Center for Scientific Review (CSR) at the National Institutes of Health (NIH) from 2000-2001, then as National Program Leader, Animal Physiology, with the (USDA-CSREES) from 2001-2009 and finally returning to her alma matter at UNL in 2009 as Professor of Animal Science and Associate Dean, Agricultural Research and Associate Director, Nebraska Agricultural Experiment Station,

**WHEREAS** Dr. Hamernik has been distinguished as a recipient of several awards of excellence including CSREES Employee of the Year in Science and Education (2004), USDA Secretary's Honor Award for Excellence in 2007, induction into the CSREES Hall of Fame (2008) and recognition as a Nebraska Hall of Agricultural Achievement Member (2017) just to highlight a few,

**WHEREAS** Dr. Hamernik has been particularly effective in administering, organizing, and coordinating groups of scientific and technical experts to move agricultural research, education, and extension programs forward at the university and national levels including initiatives for the University of Nebraska System, Hatch Multistate Research, and the USDA ARS US Meat Animal Research Center, and USDA competitive grants program,

**WHEREAS** Dr. Hamernik has been equally effective in developing programs to enhance the competitiveness of faculty for extramural funding by promoting interdisciplinary teams, fostering development of new investigators, promoting integration of research, education, and extension

seed grants; and leveraging industry partnerships all contributing to a 25% growth in UNL research expenditures in 10 years,

**WHEREAS** Dr. Hamernik has continued to be active in her scientific discipline of Animal Sciences serving on the National Board of Directors for the American Society of Animal Science (ASAS), as Chair of the Executive Steering Committee in 2012 and as President of ASAS in 2016,

**WHEREAS** Dr. Hamernik represented the UNL on several national and international organizations including; the North Central Research Association, the University-Industry Consortium,

**WHEREAS** Dr. Hamernik participated actively and provided excellent leadership to the NCRA as Chair in 2016 and as National Chair of the Experiment Station Section of 1862 and 1890 Land-grant University research directors in 2019, and provided leadership as Administrative Advisor to NC3169, NCERA57, NC1181, and NC1184,

**WHEREAS** Deb is a thoughtful, caring, approachable, responsive, intelligent, kind, appreciative, perceptive person and has many other quality characteristics too numerous to mention, all which have led her to be an outstanding person and leader,

**NOW, THEREFORE, BE RESOLVED** on this day of September 15, 2020, the NCRA does hereby extend their sincere gratitude for her many years of friendship and invaluable contributions to the North Central Region, and

**BE IT FURTHER RESOLVED** that an original of this resolution be provided to Dr. Hamernik and that a copy be filed as part of the official minutes of this meeting.



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**Item 5.0: NCRA Office Budget Update**

Presenters: Greg Cuomo, Jeff Jacobsen, Chris Hamilton

<b>NCRA FY2021 Working Budget (with final FY2020)</b>				
<b>INCOME</b>				
	<b>FY2020</b>	<b>FY2021</b>		<b>FY2022</b>
<b>Description</b>	<b>Final</b>	<b>Budget</b>	<b>YTD***</b>	<b>Budget#</b>
State Assessments	483,849	483,849	483,849	483,849
Account Carryover (MSU Actual)	47,431	96,463	96,463	tbd
<b>TOTAL INCOME</b>	<b>531,280</b>	<b>580,312</b>	<b>580,312</b>	<b>483,849</b>
<b>EXPENSE</b>				
	<b>FY2020</b>	<b>FY2021</b>		<b>FY2022</b>
<b>Description</b>	<b>Final</b>	<b>Budget</b>	<b>YTD</b>	<b>Budget</b>
<b>NCRA</b>				
Regional Initiatives	-	-		
	-			
<b>NCRA Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>MICHIGAN STATE</b>				
Executive Director Salary*	217,464	217,464	210,214	208,765
Fringe**	51,735	56,878	54,981	54,602
Office Operating	1,768	3,000	11	3,000
Travel	19,694	35,000	-	35,000
Training	-	-	-	-
MSU Admin/Service Fees (\$5/month as of FY20)	60	60	5	60
<b>MSU Subtotal</b>	<b>290,721</b>	<b>312,402</b>	<b>265,211</b>	<b>301,427</b>
<b>U of WISCONSIN</b>				
Assistant Director Salary****	82,339	84,638	83,387	83,387
Fringe***	33,204	34,702	34,189	34,189
Office Operating	2,969	3,000	-	3,000
Travel	3,177	12,000	-	12,000
Training	174	500	-	500
Meeting Support	-	2,000	-	2,000
UW Admin/Service Fees (now 5% CALS, 7% UW)	14,601	16,140	-	16,209
<b>UW Subtotal</b>	<b>136,463</b>	<b>152,979</b>	<b>117,576</b>	<b>151,285</b>
<b>TOTAL EXPENSE</b>	<b>427,184</b>	<b>465,381</b>	<b>382,787</b>	<b>452,712</b>
<b>BALANCE</b>	<b>104,096</b>	<b>114,931</b>	<b>197,525</b>	<b>31,137</b>
*MSU Salary (and related fringe) temporarily reduced (by 4%) to \$208,765 as of 9/1/2020.				
**MSU FY20 fringe 26.155%, FY21 TBA.				
***UW FY21 estimated fringe: ~ 41% (includes monthly UW term leave fee).				
****UW FY20 and 21 less than budgeted due to furlough days taken across both FYs.				
#FY22 budget TBA, so we're using FY21's numbers as placeholders.				

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## NCRA Accounts at MSU and UW

<b>NCRA Accounts at MSU and UW</b>			
<b>Account at MSU</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>
MSU Starting Balance	47,431	96,463	131,679
MSU Income	483,849	483,849	483,849
MSU Budgeted Expenses	290,721	312,402	301,427
MSU Budgeted Expenses + UW invoice	434,816	448,633	452,712
Estimated MSU Ending Balance/Carryover	70,703	131,679	162,816
Actual MSU Ending Balance/Carryover*	96,463	tbd	tbd
<b>Account at UW</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>
UW Starting Balance	9,117	16,749	-
UW Income	-	-	-
UW Expenses	136,463	152,979	151,285
Actual UW Ending Balance/Carryover	16,749	tbd	-
<i>UW Operating Reserve (3 mo)</i>	<i>35,000</i>	<i>35,000</i>	<i>35,000</i>
<i>Estimated UW Invoice to MSU**</i>	<i>142,000</i>	<i>136,231</i>	<i>151,285</i>
<i>Actual UW Invoice to MSU</i>	<i>144,095</i>	<i>tbd</i>	<i>tbd</i>

\*We have now included in the FY2020 MSU carryover all of the budgeted MSU fees that were never charged in 2017-2020.

\*\*UW will invoice MSU mid-quarter for actual expenses (\$33,792 in August 2020; \$33,792 in November 2020; \$33,792 in February 2021, and ?? in May 2021 to cover final 2021 expenses). This number is lower than previously presented due to fewer FY2020 expenses and thus more carryover than originally budgeted.

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## Item 7.0: Annual ESS Budget

Presenter: Jeff Jacobsen

### ESS Financials and Annual Budgets

#### CY2020 ESS Assessments

- The only annual APLU ESS assessment is at \$200,000 for the CMC program (on-going, unless modified by 2/3rds vote). Historically, the total assessment has been \$400,000 split with ECOP and, recently AHS, as \$133,333 each.
- CMC assessment based on proportional share of rolling 3-year from 60% capacity (Hatch or Evans-Allen) and 40% competitive for the institution.
- CY2020 assessments by state are: IA (\$6920), IL (\$5154), IN (\$4601), KS (\$4892), MI (\$7239), MN (\$5758), MO (\$4000), NE (\$4167), ND (\$1559), OH (\$4921), SD (\$2607), WI (\$4841).
- Over time (2009 to present per APLU records), the ESS account has built up a reserve of >\$700,000 allocated as \$600,000 in *new* investment strategy and infrastructure refresh by Sightlines/Gordian as \$27,000. Net cash on hand at the end of CY2019 was \$92,277. By the end of CY2020 there will likely be an additional ~\$100,000 of cash reserves.
- With these cash reserves and investment funds, significant public resources are available.
- Currently, the CMC effort is a fixed-term contract with Forbes Tate to develop a strategy for the future. Initial report is under review by the CMC before release to the BAA. Likely to have a recommendation to create a new position at APLU as a dedicated communications specialist for less than the CMC legacy cost at \$400,000.
- CMC is now a BAA committee, yet the current funding models is only AHS, ECOP, ESCOP.
- Allied 'communication' efforts from the ESS include: NIDB (\$12,500 annually from (ESS budget) and Multistate Impact Writing Program (~\$134,740 annually from NRSP1 [only 1862s]).
- With COVID-19 (likely) impacting state budgets, should the assessment be reevaluated?
  - Action by 2/3rds of directors voting could increase/decrease, pause for X year(s), or terminate

#### ESS Annual Budget

- Only possible due to ESS reserves being built up from CMC assessment and maybe other long-term historical actions.
- At the ESS annual meeting, an annual budget for CY2021 is proposed to the membership by the ESCOP Chair and ESCOP Chair-elect with an ~\$70,000. This vote does not include the CMC program, nor the CMC assessment (noted above).
- With CY2019 cash on hand of \$92,277 (and likely another ~\$100,000 from FY2020), an ESS vote to approve the CY2021 funded from this cash on hand is likely.
  - Action by majority of directors voting could approve, disapprove or make change

#### Alternative Scenarios

- 1) CMC assessment title could be changed to be a general ESS assessment. This ESS assessment could address the CMC effort and ESS operational expenses. [2/3rds voting]
- 2) If the CMC assessment were to be paused or terminated, then the current cash reserves and/or the investment pool funds could be used for CMC effort and/or ESS operational expenses [2/3rds voting and then majority voting]
- 3) New CMC funding partners could be identified to decrease the ESS share.
- 4) ESS annual budget expenditures could be reduced.

**Item 10.0: Changing of the Guard (NCRA FY2021 Officers Written Update)**

**Presenters: Greg Cuomo, George Smith**

**NCRA FY2020 Officers and Committee Members  
(Appointment Year 2021 begins October 1, 2020)**

**NCRA Officers:**

G. Smith, MI, NCRA Chair (21) ([smithge7@msu.edu](mailto:smithge7@msu.edu))  
G. Cuomo, MN, NCRA Past Chair (20) ([cuomogj@umn.edu](mailto:cuomogj@umn.edu))

**Executive Committee:**

G. Smith, MI, NCRA Chair (21) ([smithge7@msu.edu](mailto:smithge7@msu.edu))  
H. Santiago, NE, NCRA Chair Elect & MRC Chair (21) ([hsantiago@unl.edu](mailto:hsantiago@unl.edu))  
G. Cuomo, MN, NCRA Past Chair (20) ([cuomogj@umn.edu](mailto:cuomogj@umn.edu))  
J. Jacobsen, NCRA, Exec. Vice-Chair (Perm) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**Multistate Research Committee (3-year term):**

H. Santiago, NE MRC Chair (21) ([hsantiago@unl.edu](mailto:hsantiago@unl.edu))  
W. Barker, WI (18-21) ([william.barker@wisc.edu](mailto:william.barker@wisc.edu))  
G. Bollero, IL (19-22) ([gbollero@illinois.edu](mailto:gbollero@illinois.edu))  
B. Engel, IN (20-23) ([engelb@purdue.edu](mailto:engelb@purdue.edu))  
A. Dorrance, OH (21-24) ([dorrance.1@osu.edu](mailto:dorrance.1@osu.edu))  
J. Jacobsen, Ex-Officio ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**Resolutions Committee (3-year term):**

S. Donkin, IN (18-21) ([donkin@purdue.edu](mailto:donkin@purdue.edu))

**Nominating Committee (2-year term):**

M. Draper, KS (20-22) ([maddr@ksu.edu](mailto:maddr@ksu.edu))

**Committee on Legislation and Policy**

J. Jacobsen, Ex-Officio ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**NRSP Review Committee Representative (4-year term):**

D. Buhler, MI (14-18, Chair 20-21) ([buhler@msu.edu](mailto:buhler@msu.edu))  
J. Jacobsen, NCRA (Exec Vice-Chair 20-21) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))  
C. Hamilton (Asst Vice-Chair 20-21) ([christina.hamilton@wisc.edu](mailto:christina.hamilton@wisc.edu))

**ESCOPE (3-year term):**

G. Smith, MI, NCRA Chair (21) ([smithge7@msu.edu](mailto:smithge7@msu.edu))  
H. Santiago, NE, NCRA Chair Elect & MRC Chair (21) ([hsantiago@unl.edu](mailto:hsantiago@unl.edu))  
G. Cuomo, MN, NCRA Past Chair (20) ([cuomogj@umn.edu](mailto:cuomogj@umn.edu))  
J. Jacobsen, NCRA (Perm Alt) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**ESCOPE Executive Committee:**

G. Cuomo, MN, NCRA Past Chair (20) ([cuomogj@umn.edu](mailto:cuomogj@umn.edu))  
J. Jacobsen, NCRA (Perm Alt) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**ESCOPE Chair's Advisory Committee:**

J. Jacobsen, NCRA (Perm Alt) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**ESCOP Budget and Legislative Committee (BLC):**

- G. Pierzynski, OH ([pierzynski.3@osu.edu](mailto:pierzynski.3@osu.edu))  
S. Donkin, IN ([sdonkin@purdue.edu](mailto:sdonkin@purdue.edu))  
J. Jacobsen, NCRA (Perm Alt; Exec Vice-Chair) ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))  
C. Hamilton (Asst Vice-Chair) ([christina.hamilton@wisc.edu](mailto:christina.hamilton@wisc.edu))

**ESCOP Diversity Catalyst Committee (DCC):**

- W. Barker, WI, ([william.barker@wisc.edu](mailto:william.barker@wisc.edu))  
C. Hamilton, NCRA ([Christina.Hamilton@wisc.edu](mailto:Christina.Hamilton@wisc.edu))

**ESCOP Science and Technology Committee (STC):**

- J. Colletti, IA, ([colletti@iastate.edu](mailto:colletti@iastate.edu))  
W. Barker, WI, ([william.barker@wisc.edu](mailto:william.barker@wisc.edu))

**ESCOP Science and Technology Committee Social Science Subcommittee (SSSC):**

- Emily Buck, OH, ([buck.210@osu.edu](mailto:buck.210@osu.edu)) - Ag Communications  
Soyeon Shim, WI, ([sshim7@wisc.edu](mailto:sshim7@wisc.edu)) – Human Sciences  
Linda Lobao, OH, ([lobao.1@osu.edu](mailto:lobao.1@osu.edu))– Rural Sociology  
Corinne Valdivia, MO, ([valdiviac@missouri.edu](mailto:valdiviac@missouri.edu)) – Ag Econ  
David Rosch, IL, ([dmrosch@illinois.edu](mailto:dmrosch@illinois.edu)) – Ag Leadership  
Maria Marshall, IN ([mimarsha@purdue.edu](mailto:mimarsha@purdue.edu)) – NCRCRD Director

**ESCOP NRSP1 Management Committee:**

- J. Jacobsen, NRSP1 Lead AA ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))  
C. Hamilton, co-NIMSS Lead System Admin ([Christina.Hamilton@wisc.edu](mailto:Christina.Hamilton@wisc.edu))

**National Impact Database (NIDB)**

- G. Bollero, IL ([gbollero@illinois.edu](mailto:gbollero@illinois.edu))

*Other Appointments*

**North Central Rural Development Center Board (4-year term):**

- B. Engel (perm, Purdue rep), ([engelb@purdue.edu](mailto:engelb@purdue.edu))  
J. Parcell, MO, ([ParcellJ@missouri.edu](mailto:ParcellJ@missouri.edu))

**North Central Bioeconomy Consortium**

- NCBEC Vice President, J. Colletti, IA ([colletti@iastate.edu](mailto:colletti@iastate.edu))

**North Central Regional Aquaculture Center**

- J. Jacobsen, NCRA ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))

**National Plant Germplasm Coordinating Committee (NPGCC)**

- J. Colletti, IA ([colletti@iastate.edu](mailto:colletti@iastate.edu))  
J. Jacobsen, Executive Vice-Chair, ([jjacobsn@msu.edu](mailto:jjacobsn@msu.edu))