IIN Council Meeting Minutes  
Thursday, September 24, 2020

Zoom Meeting

IIN Council Members Present:
Jerry Blazey, Alex Stagnaro-Green, Ryan Hendrickson, Ryan Spain, Susan Martinis,  
Chris Merrett, Denise Cobb, Bruce Sommer, Beth Cada, TJ Augustine, Gary Kinsel,  
Leslie Roundtree, Mike Bedell, Craig McLauchlan

Meeting Attendees:
Jay Walsh, Kyle Harfst, Ben Taylor, Lori Pflugmacher, Suzi Stadel, Matt Schmit,  
Jeanette Tamayo, Angelica Alfaro, Gireesh Gupchup, Hana Hinkle, Kip McCoy,  
James Hazzard, Jennifer Creasey, Jisu Hong, Jun Zhao, Martin MacDowell, Matt Bell,  
Melanie Loots, Rex Schaeffer, Teresa Johnston, Tracy Smith

Welcome and Introductions
Jerry Blazey, IIN Council Chair, called the meeting to order at 1:02 PM and offered a  
greeting and welcome to all in attendance. He introduced two guests, Matt Schmit,  
Deputy Director of Broadband from the Illinois Department and Commerce and  
Economic Opportunity and Gireesh Gupchup, newly appointed Vice President at  
Southern Illinois University.

Jay Walsh, Interim Vice President for Economic Development & Innovation at the  
University of Illinois System office, also provided a welcome and spoke about the  
governance of this Council and its establishment one year ago at the Governors  
State meeting.

Guest Speaker – Matt Schmit, DCEO Deputy Director for Broadband
Matt gave a presentation (see attached Power Point) outlining the Connect Illinois  
strategic broadband plan. Connect Illinois is the state’s $420 million initiative that  
will focus on access, adoption, and utilization. He discussed a regional current  
conditions report, a critical dashboard, and creating a regional plan. A two-phase  
proposal was offered to the IIN Hubs with a meeting of those interested to be  
arranged for the following week.

Hub Update – Rockford
Alex Stagnaro-Green discussed the ongoing process at the Rockford campus over 25  
years with World Health Education and how being part of the IIN can aid in its  
expansion. See attached Power Point presentation.
Appoint At-Large Executive Committee Member and Revision to Bylaws
Harfst reported that an election to appoint new “at-Large” Executive Committee member took place via email. He announced that Chris Merrett from Western Illinois University is the new “At-Large” Executive Committee of the IIN Council.

Harfst also mentioned the need to change bylaws as a result of the At-Large Executive Committee Vacancy. He indicated that the proposed change in Article VII was sent previously to Council members for review. Council Chair Blazey entertained a motion to approve the revised Bylaws, so moved by Craig McLauchlan. Mike Bedell seconded the motion. Motion was passed unanimously.

Capital Funding update
Jennifer Creasey provided an update on the September 11 meeting with Deputy Governor Jesse Ruiz. She mentioned that Kyle Harfst and Jay Walsh were part of the meeting. They briefed him of each hub in the IIN, their projects, the total budget, and the amount that was requested. Creasey further described it as a good meeting with a reminder for a push to be started with the Illinois Capital Development Board for funds to be released. She encouraged each hub to work with their local government relations liaisons to continue dialogue regarding their own capital projects.

Open Discussion
Sustaining Illinois Seed Funding
Harfst started off this discussion with a reminder that Sustaining Illinois Seed Funding is now open, and a provision for equity and representing underserved populations is included. The deadline for proposal submittals is December 1, 2020, with no more than $30,000 per project, and the overall initiative not to exceed $120,000. He also noted the four proposals submitted for the deadline of June 30 were all funded. Harfst gave thanks to the Office of the Vice President for Economic Development and Innovation at the University of Illinois and Northern Illinois University for once again providing the resources.

Preparing Illinois for Climate Impacts
Jerry Blazey lead a discussion to address the issue of climate migration. He sees the climate change accelerating and wonders if the IIN should start thinking about preparing Illinois for the particular aspect of climate impact in the Midwest. This would be a long-term, state-wide commitment on behalf of the IIN. See Power Point for more details. Matt Bell suggested focusing on the area of food supply, Susan Martinis would like to know what funding is out there, Jay Walsh noted this as an opportunity to find places to grow, and Ryan Hendrickson thought his upcoming sustainability conference would be a good place for this discussion.

Shield Illinois
Jay Walsh provided several slides during his presentation on U of I’s saliva-based PCR test for SARS-CoV-2. He noted the three levels – Illinois SHIELD for UI System campus’, SHIELD Illinois, across the state, and SHIELD T3 which will go beyond Illinois. The cost of each test is $20, and the governments, local, state federal are being
worked with to help with this cost. Private sources are also being looking into for assistance. U of I’s very interested in working with public universities across the state.

Additional topics
Jerry Blazey asked the group if any hub would like to provide an update at the next meeting on November 19. This great opportunity brings people up to speed on what’s happening on your campus. Anyone interested should contact Kyle, Ben, or Lori.

Adjourn
Jerry Blazey adjourned the meeting at 2:55 p.m. and reminded the group of the next meeting on November 19.

Respectfully submitted,

Denise Cobb, Council Secretary
Working together to ignite the Illinois economy

IIN COUNCIL MEETING
SEPTEMBER 24, 2020 | ZOOM MEETING
For today’s Zoom meeting, please mute your microphone unless you are speaking.

If you have a question or comment, please indicate that by “raising your hand” in Zoom (under participants panel or alt-Y/option-Y) or sending a note in chat and we will recognize you.

We are recording today’s meeting for note-taking and sharing purposes.
WELCOME & INTRODUCTIONS

• Jerry Blazey, Illinois Innovation Network Council Chair
• Jay Walsh, Vice President for Economic Development & Innovation, University of Illinois System
MEETING AGENDA

• Guest Speaker: Matt Schmit, DCEO Deputy Director for Broadband
• IIN Hub Update: UIC Health Sciences Campus Rockford
• ACTION ITEM: Bylaws Revision and Appoint At-Large Executive Committee Member
• Capital Funding Update
• Open Discussion
• Connect Illinois Vision
• Broadband Advisory Council + Working Groups
• Broadband Strategic Plan
• Mapping
• Broadband Access, Adoption + Utilization
  • Infrastructure
  • Community Planning + Capacity Building
  • Digital Equity: Literacy, Adoption + Inclusion
• Broadband Affordability Study
• Provide ubiquitous broadband access that is reliable + affordable to homes, businesses, and community anchor institutions throughout Illinois
• Promote adoption + digital literacy
• Drive utilization ... economic development + expanded opportunity + innovation in such areas as education, health care, and agriculture
Background

CONNECT ILLINOIS
BROADBAND ADVISORY COUNCIL

- Convened in August 2019
- Meets quarterly
- Five initial working groups
  - Access
  - Economic development
  - Education
  - Telehealth
  - Technology + Innovation
- Affordability study
- Annual report
CONNECT ILLINOIS
BROADBAND AFFORDABILITY STUDY

- Illinois General Assembly (SB 2135), May 2020
- In pursuit of universal broadband access goal, study:
  - Free access to all residents through grant program expansion
  - Affordable access to all residents
- Study must include analysis of universal access in areas of poverty and areas where existing broadband infrastructure is insufficient for high-speed access
  - Should include discussion of Broadband Strategic Plan initiatives
  - Identify new streams of state, federal, and P3 revenue
  - Recommended schedule for implementation
- Report on findings and recommendations due Jan 1, 2021
Cross-sector research, education + engagement capacity
Intersection of country’s largest state-based broadband matching grant program + university-led research capacity
Focused on best practices, investment impact, and related policy development
Sustain success of the Connect Illinois program – and establish Illinois as the state that does broadband best
  • Investment
  • Inquiry
Illinois Broadband Lab

- Contribute to broadband-related literature; inspire inter-disciplinary inquiry + engagement among faculty, researchers + students; support policy generation through working groups ranging from telehealth, remote learning, smart cities, smart grid, precision agriculture + various IoT applications, etc.
- Support the Illinois Office of Broadband + Illinois Broadband Advisory Council
  - Contribution to an annual report
  - Specific study (General Assembly, etc.)
- Measure broadband impact through critical indicators + dashboarding
- Conduct broadband-related industry cluster + supply chain analysis
- Participate in design, review + use of annual broadband mapping generated through the Office of Broadband
- Partner with Illinois Office of Broadband + related stakeholders to study and drive advances in broadband access, adoption, and utilization – particularly through the frame of digital equity
- Collaborate with the Benton Institute for Broadband & Society
  - National network of broadband experts
  - Publication
  - Shared goals
Regional Evaluation for Adoption + Digital Equity (READY) Program

- Add context + contour to the current Office of Broadband mapping
- Regional evaluation + engagement
- Deliverables include:
  - Regional current conditions report
  - Roadmap to digital equity impact (NDIA)
  - Critical indicator dashboard
    - Access (IOB Mapping)
    - Affordability (BAC Study for GA)
    - Adoption (ACS)
    - Utilization
“Digital equity” is a condition in which all individuals and communities have the information technology capacity needed for full participation in our society, democracy + economy (National Digital Inclusion Alliance)

A strong digital equity ecosystem includes:
- Increasing access to affordable in-home broadband service
- Appropriate personal computers
- Free digital literacy training
- Quality technical support

In order to develop a strong digital equity ecosystem, we must:
- Identify + map digital inequities
- Identity digital inclusion assets
- Identify digital inclusion programming gaps
- Create/Implement a digital equity plan
Digital Equity Planning

This program will identify digital inequities and opportunities through regionwide collaboration involving:

- Higher education anchor institutions
- Community and economic development professionals
- Individual communities
- Other stakeholders
- DCEO

In addition to evaluating current conditions and next steps in digital equity and inclusion, the program will seek scalable and/or replicable best practices in broadband utilization, ranging from economic development innovation to telehealth to remote learning.
Phased Approach?

- The IIN Hubs line up nicely with DCEO regions
- Hubs may take the lead for regional broadband planning
- Suggestion to take a 2-phase approach to leverage more funding from DCEO and perhaps EDA
- Establish as a working committee activity?
- Additional partners needed
Health Status of Rural Illinois

- 1.5 million Illinois citizens live in rural areas
- IDPH has designated 62 of the 102 Illinois counties as Health Profession Shortage Areas
- Illinois citizens living in rural Illinois have a higher rate of:
  - Diabetes
  - Hypertension
  - Coronary Heart Disease
  - Obesity
Comparison of Illinois physician workforce by rural / urban status – is markedly lower supply in rural areas.

Sources:
Health Resources & Services Administration, Area Health Resources Files, 2017-2018

Advancing Rural Health in Communities Across Illinois. IL Hospital Association 2018
PROMOTING HEALTHY RURAL COMMUNITIES THROUGH EDUCATION, SERVICE, RESEARCH AND POLICY

• The National Center for Rural Health Professions (NCRHP) at the UIC Health Sciences Campus-Rockford strives to meet the health care needs of rural residents and their communities in Illinois, around the nation and throughout the world.

• Certified by the Illinois Board of Higher Education since 2003, this University of Illinois College of Medicine Rockford center has programs and collaborative partnerships that have become successful models for education, service, research and policy related to rural health involving multiple health professions.
The Rural Medical Education (RMED) Program at the University of Illinois Rockford seeks to admit and prepare medical students from rural areas who will, upon completion of residency training, locate and practice in a rural location as a rural physician.
Achievements After 26 Cycles

• Applicants from 95% of Illinois’ rural counties
• 457 students (Classes of 1993-2023)
• Matriculants from over 90% of Illinois’ rural counties
• 358 graduates (262 in practice, 96 in residency)
• 99 students in medical school
• 70% of graduates attend primary care residencies
• 70% of graduates in Illinois practicing in towns less than 20,000 people
• 75% of graduates return to rural Illinois to practice
Practice Location of RMED Graduates

RMED Graduates
Practice Locations
1997 – 2015
(Years Graduated)

Number of Graduates per County

N = 150 practicing in Illinois
August 2018
Creating a Health Sciences Campus

- New addition opened in 2011
- 58,000 sq. ft.
- Silver lead certified
  - Bicycle Storage and Changing Rooms
  - Low Emitting & Fuel Efficient Vehicles
  - Open Space
  - Water Efficient Landscaping
  - Water Use Reduction
  - Optimize Energy Performance
  - Enhance Commissioning
  - Enhance Refrigerant Management
  - Regional Materials
  - Certified Wood
  - Recycled Content
  - Low Emitting Materials
  - Controllability of Lighting Systems
  - Thermal Comfort Design
  - Thermal Comfort Verification
Programs

RMED
RPHARM
RNURSING
BHWE/L/SOCIAL WORK

ILLINOIS AREA HEALTH EDUCATION CENTERS (AHEC) NETWORK PROGRAM

NATIVE AMERICAN PATHWAYS – SERVING TRIBAL COMMUNITIES

RURAL HEALTH INTERNSHIPS AND EXPERIENCES

The NCRHP pipeline programs address the rural health provider shortage by offering students learning opportunities as early as middle school and high school.
Area Health Education Center Network Program

Established in 2010, the Illinois AHEC Network Program has eight regional centers throughout the state to serve both rural and urban underserved residents through access to health professions education, health careers development and community and public health promotion activities.

The Illinois AHEC last month received five years of additional grant funding totaling nearly $6.9 million from HRSA.
Project Goals

“to meet the health care needs of rural Illinois residents through collaborative projects involving multiple health professions.”

Building upon a successful rural medical school training program

Expand rural health professions educational programs in dentistry, social work, physical therapy, occupational therapy, nutrition, and public health

Enhance interprofessional cooperation and interactive learning across disciplines

Develop appropriate learning models for training our future workforce

Joint classes and educational experiences for RMED, RPHARM, and RNURSEing

Technology rich classrooms to connect with the state, country, and world
UIC Rural Health Science Expansion Plan

• Expand Rural Health Science Expansion Education Programs in Rockford to meet the needs of the State of Illinois
  - College of Dentistry
  - Jane Addams College of Social Work
  - College of Applied Health Sciences
  - School of Public Health
Site Analysis
Planning Diagrams

Size by floor plate:

floor 1 - 24,624 gsf
floor 2 - 24,038 gsf
floor 3 - 22,365 gsf
floor 4 - 28,028 gsf
floor 5 - 24,481 gsf
mech - 10,914 gsf

Total: 134,450 sf

Program Key:

- circulation & open collaboration areas
- shared space
- dentistry
- social work
- applied health sciences
- public health
- OMR health sciences vertical space
- vertical circulation
- mechanical / support space
EXECUTIVE COMMITTEE POSITION

- Review and Approval of Bylaws Revision
- Election of “At-Large” Member
CAPITAL FUNDING UPDATE

Jennifer Creasey,
Senior Director of State Relations
University of Illinois
OPEN DISCUSSION

- Sustaining Illinois Seed Funding
- Preparing Illinois for Climate Impacts
- Shield Illinois
Fall 2020 Announcement

• Deadline for Submissions is December 1
• Similar format to Spring 2020
• Equity and underserved populations is now a category
• University of Illinois Office of the Vice President for Economic Innovation and Northern Illinois University are sponsors
CLIMATE IMPACTS

Preparing Illinois for Climate Impacts
An IIN Role in Preparing Illinois for Climate Impacts?


- For 93 million [American’s], the changes could be particularly severe, and by 2070, our analysis suggests, if carbon emissions rise at extreme levels, at least four million Americans could find themselves living at the fringe [or outside the niche] *How Climate migration will reshape America*. https://www.nytimes.com/interactive/2020/09/15/magazine/climate-crisis-migration-america.html?utm_source=pocket-newtab
Then there is migration

- For 93 million [American’s], the changes could be particularly severe, and by 2070, our analysis suggests, if carbon emissions rise at extreme levels, at least four million Americans could find themselves living at the fringe [or outside the niche]
- 13 million Americans will be forced to move away from submerged coastline
- Until now, the market mechanisms had essentially socialized the consequences of high-risk development. But as the costs rise — and the insurers quit, and the bankers divest, and the farm subsidies prove too wasteful, and so on — the full weight of responsibility will fall on individual people
- [The migration] will accelerate rapid, perhaps chaotic, urbanization of cities ill-equipped for the burden, testing their capacity to provide basic services and amplifying existing inequities.

As this is a long-term, state-wide issue, IIN seems well suited to take a leadership role?
Funding Opportunity: NSF Releases Sustainable Regional Systems Research Networks Solicitation

The National Science Foundation (NSF) has released a new cross-agency solicitation for Sustainable Regional Systems Research Networks (SRS RNs) to advance convergent science, engineering, and education research to create more sustainable regional systems. The Research Networks will seek understanding of the connections between rural and urban communities integrating data collection, outcomes, theories of change, generalizable theories, modeling, stakeholder participation, and equity analyses to advance sustainable connections between the natural and built environments as well as the social systems that work through them. Information generated by SRS RNs will help to inform decision making for sustainable improvements of regional systems including environmental and social equity issues. SRS RNs may study a single urban or metropolitan system and its connected rural regions, multiple urban-rural systems, or an aggregation of connected urban-rural systems.

The solicitation has two tracks:

1. **SRS RNs Full Scale Awards (Track 1)** will fund up to $15 million over five years for fundamental convergent research, education, and outreach. Possible elements may include engineering and a variety of environmental topics including, but not limited to, biology, chemistry, atmospheric science, hydrology, recyclable plastics, and geology. Applicants should also embrace partnerships with universities, local governments, non-profits, and industry. Successful applications for track one must cover the scope and scale of the project, how the project is an example of convergent research, partnerships and stakeholder engagement plans, a diversity and inclusion strategy, and an education and education evaluation plan.

2. **SRS RNs Planning Grants (Track 2)** will fund up to $150,000 for one year for the preparation of a future SRS RN Full Scale project. Successful applications for Track 2 must cover how the project is an example of convergent research, partnership and stakeholder engagement plans, and a diversity and inclusion strategy.
Next meeting: November 19 (Zoom)
SHIELD: Target, Test, Tell
COVID-19 SHIELD employs a target, test, tell strategy

**Target**
Modeling to guide test frequency and scheduling

**Test**
Fast, scalable saliva PCR test for SARS-CoV-2 with results in 4-8 hours

**Tell**
Digital exposure notifications and manual contact tracing
Mitigations can limit spread of COVID-19

Without mitigations

- Susceptible
- Infected
- Recovered
- Isolated
- Quarantined

With mitigations

- Susceptible
- Infected
- Recovered
- Isolated
- Quarantined

Detailed modeling of 45,000 students working and socializing, transmitting SARS-CoV-2 via proximity and aerosol
SHIELD will be deployed and implemented at three levels

- COVID-19 SHIELD – for the campuses of UIUC, UIC, and UIS
  The implementation is driven from within each campus

- SHIELD Illinois – for the state of Illinois beyond the campuses
  The implementation is driven by a team within the U of I System

- SHIELD T3 – for organizations outside the state of Illinois
  The implementation is driven by a University Related Organization (URO)

Each is being run by a separate team. Each team works closely with the other teams to learn from and leverage each other. Each is developing partnerships with communities, companies, universities, and government entities who are vital to standing up SHIELD at all three levels.
UIUC has instituted key mitigation strategies to minimize cases of COVID-19

- Twice weekly testing for all students, faculty, and staff on campus
- Mandatory mask wearing
- No large gatherings
- Many classes moved online
- Safer Illinois app
SHIELD Illinois is looking to open lab locations and collection sites across the state of Illinois.

- **High Population Areas**: Labs will be located in proximity to high-population areas to increase access to testing.
- **Logistical Convenience**: Locations will be selected based on logistical considerations such as ease of transportation, etc.
- **Capacity and CLIA Certified**: Labs must be CLIA certified and be able to process the number of tests anticipated.
- **External Sponsors Needed**: External sponsors will be identified to cover the cost of testing organizations/communities.

Strategic placement of testing locations will enable efficient and large-scale testing to reduce Illinois' overall infection rate.
SHIELD Illinois will provide the infrastructure required to effectively and efficiently conduct tests in communities.

- Provide training, materials, and consumables for sample collection site
- Solve logistics to transport samples to labs
- Load balance supplies and samples collected between labs
- Provide equipment needed to run labs

- Secure supply chain and provide testing consumables
- Integrate technology and data from intake to results
- Pay lab personnel at collection and lab sites
- Work to identify process improvements and SHIELD sponsors to reduce test costs

“Lab-in-a-box” concept delivers help with site questions, CLIA certification and testing SOP

Through end-to-end support, SHIELD Illinois will ensure that external sponsors and partners have the necessary resources to test successfully.
SHIELD T3 will license the testing protocol and extend know-how outside the state of Illinois.

**Target**
Risk-based, optimized model determines testing frequency.

**Test**
Low-cost, scalable saliva-based test.

**Tell**
App that provides digital contact tracing and privacy-compliant status.

SHIELD T3 is ideally suited to large, semi-closed communities such as universities, smaller cities, military bases, large employers, and factories.
COVID-19 SHIELD has ramped up testing to be more than 2% of the tests in the U.S. on a given day

- UIC has made weekly saliva testing mandatory for students/staff in campus housing, the performing arts and athletics
- All other students can voluntarily participate in saliva testing

### URBANA-CHAMPAIGN

**244,456**

Past 7-Day Case Positivity Rate: 1.05%

**UIUC is testing twice weekly all students, faculty and staff who are coming to campus**

### CHICAGO

**Cumulative Test Results**

- Positive Tests: 7,642
- Negative Tests: 7,392
- Total Tests: 7,838

**Average Rolling 7-Day Positivity Rate:** 0.49%

Data as of 9/6/2020

### Test Results by Week

<table>
<thead>
<tr>
<th>Week</th>
<th>Positive Tests</th>
<th>Negative Tests</th>
<th>Positive %</th>
<th>Total</th>
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<td>1,644</td>
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<td>1</td>
<td>186</td>
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<td>187</td>
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### SPRINGFIELD

- UIS is testing weekly all students, faculty and staff who are coming to campus

<table>
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<tr>
<th>Total Tests Since Aug. 17, 2020</th>
<th>Daily Tests Sept. 4, 2020</th>
<th>Daily Positivity Rate on Sept. 4:</th>
<th>7-Day Positivity Rate on Sept. 4:</th>
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<tbody>
<tr>
<td>4,806</td>
<td>278</td>
<td>0.00%</td>
<td>0.34%</td>
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Thank you! Questions?