



Green Schools

Green Communities



Green Campuses

February 26, 2016

Philadelphia University

PHENND



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About PHENND

The Philadelphia Higher Education Network for Neighborhood Development (PHENND) is a consortium of over 25 colleges and universities in the greater Philadelphia area. PHENND works to **build the capacity** of its member institutions to develop mutually beneficial, sustained, and democratic community-based service-learning partnerships. The consortium actively seeks to **revitalize local communities and schools** and **foster civic responsibility** among the region's colleges and universities.

Higher educational institutions can function as permanent anchors and partners for community improvement. Moreover it is deeply in their interests to do so; their futures are intertwined with that of their neighborhoods. PHENND provides a vehicle for coordinating and, where appropriate, combining the efforts of higher eds so that they can make a significant contribution to improving the entire Philadelphia region.

Acknowledgements

PHENND would like to thank the following individuals and organizations for helping make this conference a success.

- Mare Somaine and Louise McShane of the Community Service and Student Development office and the Philly U community;
- Keynote speaker Patrick Morgan; and
- All of our many workshop presenters.



Detailed Agenda

8:15 AM Registration & Continental Breakfast (Performance Space)

9:00 AM Welcome and Opening (Performance Space)

9:20 AM Opening Panel (Performance Space)

Environmental State of the Region

- Andrew Kricun, Executive Director/Chief Engineer, Camden County Municipal Utilities Authority
- Liz Robinson, Executive Director, Energy Coordinating Agency
- Julianne Schrader Ortega, Chief of Programs, Pennsylvania Horticultural Society
- Sean Greene, Manager, Air Quality Programs, Delaware Valley Regional Planning Commission
- Moderator: Barbara Klinkhammer, Executive Dean, College of Architecture & Built Environment, Philadelphia University

10:20 AM Break

10:30 AM Workshop Series I

- Improving academic achievement and sustainability through collaborative K-16+ problem (Room 306)
- Greening Campuses through Gardens (Room 300)
- Using Sustainability as Both Pedagogy and Product in the Design of Courses, Programs, and Campus Operations to Meet Student Learning Challenges, Create Career Opportunities, and Promote Leadership & Civic Engagement (Room 302)
- Interdisciplinary Collaboration in the Design Studio (Room 106)
- Land Health Advocacy & Education: What's Spontaneous Nature in the City Saying to Us and About Us? (Room 312)

12:00 PM Lunch (Performance Space)

Welcoming remarks from Provost Matt Dane Baker

Keynote Speaker: Patrick Morgan, James S. and John L. Knight Foundation

1:45 PM Workshop Series II

- School District of Philadelphia: Community Partnerships for a Greener Future (Room 306)
- Use of Sustainability as a Conduit for Collaboration within Philadelphia University (Room 312)
- University Tree Tenders Initiative (Room 300)
- Teaching and learning at the edge of ignorance (Room 302)
- Greening a College: Institutional Commitments and Campus Culture (Room 106)

3:00 PM Break & Lindy Award Recognition (Performance Space)

3:30 PM Workshop Series III

- 1,000 hours and \$100,000: Wasted Campus-Community Resources (Room 302)
- Scaling Green Schoolyards Efforts and the Role of Higher Education (Room 106)
- PowerCorps: Impacting People, Parks, and Pollution in Philadelphia and Camden Communities (Room 312)

4:45 PM Conference Ends

Keynote Speaker

Patrick Morgan

Patrick Morgan is the Philadelphia based Program Director for the John S. and James L. Knight Foundation. He leads Knight's investment strategy in Philadelphia working with local leaders and other community members to find and invest in opportunities that build on the city's vibrancy and make it a place where talent thrives.

Prior to joining Knight, Morgan held leadership positions in Mayor Michael A. Nutter's administration including Chief of Staff to the Deputy Mayor for Environmental & Community Resources and Assistant Managing Director. He has

helped to develop innovative public initiatives to increase the urban tree canopy, promote an equitable food system, create new public parks and play spaces, as well as advance workforce development, digital literacy and community engagement.

Through his work on the Green2015 initiative, he collaborated with the community to transform schoolyards and recreation centers into green spaces in city neighborhoods that lack areas for people to meet, connect and pursue activities. Partners on the initiative include the School District of Philadelphia, the Philadelphia Water Department and national nonprofit The Trust for Public Land. The initiative was recently extended by the School District of Philadelphia to include another 20 schoolyards over the next five years.

Previously, Morgan was as a member of the city of Philadelphia's performance management team in the managing director's office. He served primarily as project manager for Philly311, the city's first-ever 3-1-1 customer service contact center. The project was heralded by The Philadelphia Inquirer as a "major achievement for the Nutter administration"; no other city of Philadelphia's size has launched a 3-1-1 system as quickly.

A Philadelphia native, Morgan earned a Bachelor of Science from the University of Scranton and earned a Master of Public Administration and a Master of Science in Education from the University of Pennsylvania. He also serves as an adjunct professor at Villanova University and has completed coursework as part of the Brookings Institution's Executive Education program in Washington, D.C.

He and his wife, Lee Ann, live in the East Falls neighborhood of Philadelphia with their two children, Isabel and Charles.



Workshop Descriptions

Workshop Series I: 10:30-11:45 AM

Schools: Improving academic achievement and sustainability through collaborative K-16+ problem solving

Room 306

(Cory Bowman and Nikia Hill, Netter Center for Community Partnerships and Dan Garofalo, Penn Office of Sustainability, University of Pennsylvania)

We seek to simultaneously improve both academic achievement and student and family health at Lea through nutrition-focused gardening curricula rooted in school day, after school, and summer community health improvement projects. We will develop new and, where appropriate, adapt nationally recognized curricula that generate enthusiasm through gardening and food preparation. These curricula will be used to engage students in active problem solving through the implementation of health improvement and beautification projects that build core academic skills, improve decision-making, and increase family engagement.

Greening Campuses through Gardens

Room 300

(Ashlie Delshad and Lynn Monahan, Department of Nutrition, West Chester University)

Our own research on college students' attitudes about sustainability has revealed a significant disconnect for many students

when it comes to how their dietary choices effect sustainability and environmental problems. One way to help increase student awareness and interest in the connection between their diets and sustainability is to start a campus garden and engage students in the process. Hence, this session will focus on campus gardens as a way for students to learn how to "green" a campus, promote service to the university and build campus-community partnerships. We will draw on our experience of establishing a campus garden at West Chester University. Some key items we will address in the session include: interdisciplinary collaboration between faculty in the garden project, resources for funding of physical materials for the garden and garden interns, working with community experts for assistance with the project, strategies to engage university staff in the project, and creative ways to engage students in the garden.

Using Sustainability as Both Pedagogy and Product in the Design of Courses, Programs, and Campus Operations to Meet Student Learning Challenges, Create Career Opportunities, and Promote Leadership & Civic Engagement

Room 302

(Dr. Bruce Grant, Biology & Environmental Science, Dr. Steven Madigosky, Environmental Science and James May, Office of Sustainability, Widener University)

Workshop Descriptions

Workshop Series I: 10:30-11:45 AM

The workshop will begin with a brief overview of why sustainability as a pedagogy will enhance teaching and learning of the core goals of higher education such as disciplinary knowledge, metacognitive and career skills, and most importantly leadership and civic engagement. Next we will use a series of three “set-up/breakout/report out” sessions to explore (1) infusing sustainability into your courses, (2) creating new interdisciplinary programs in sustainability, and (3) using 1&2 to improving sustainability of your campus operations. We will base the “set-ups” on case studies at WU, and the goals of the “breakouts/report outs” will be for participants to share ideas and develop new initiatives across curricular, programmatic, and institutional scales at their own institutions.

Interdisciplinary Collaboration in the Design Studio

Room 106

(Kim Douglas, Director + Associate Professor, Landscape Architecture Program and Susan Frosten, Associate Provost, Philadelphia University)

This session will explore the significance of real world collaborative learning, the development of collaborative skills and lessons learned from the strategies employed. Philadelphia University’s College of Architecture and the Built Environment (CABE) offers interdisciplinary collaborative studios for architecture, interior design and landscape architecture students.

In the studio, the students work with a community ‘client’, outside consultants, CABE and liberal arts faculty on a variety of community initiatives. The students participate in team building exercises, taking on different roles in project management, promoting sustainable neighborhoods, as well as community roundtable discussions and open sessions. The process allows students to practice working in teams, exposure to and respect for other disciplines, develop communication skills, build trust with each other and the community, and balance conflicting opinions.

Land Health Advocacy & Education: What’s Spontaneous Nature in the City Saying to Us and About Us?

Room 312

(Scott Quitel, Founder and Interim Director and Sarah Endriss, Director of Development, LandHealth Institute)

Urban centers have been paved over, built on and manipulated in a myriad of ways, but nature still happens... whether we ask for it or not! As future stewards, entrepreneurs, teachers, advocates and participants in our communities and the world, how do we understand what we see flourishing in our urban landscapes? Is it blight, trash and weeds growing on vacant disregarded land OR renewed life, economic development, natural healing and spaces for humans to reconnect to nature? This workshop explores how we might perceive land health by under-

Workshop Descriptions

Workshop Series II – 1:45-3:00 PM

standing the opportunities afforded to us in these undervalued and often little understood “natural” spaces? What do opportunistic plants tell us about soil, water and climate? What is the value of their being here – what can they teach us? In other words, what can we learn from the abandoned spaces of our city that Mother Nature has begun reclaiming all on her own? This talk and workshop will engage participants in a conversation to transform how we see and understand the dynamic process of land and ultimately our relationship to it.

School District of Philadelphia: Community Partnerships for a Greener Future

Room 306

(Michelle Feldman, Keep Philadelphia Beautiful; Megan Garner, GreenFutures Project Manager, School District of Philadelphia; Allison Sands, Recyclebank and Dr. Victor Donnay, Director of Environmental Studies, Bryn Mawr College)

This year, the School District of Philadelphia will release GreenFutures, a five-year comprehensive sustainability management plan with five focus areas: waste and consumption, education for sustainability, energy and efficiencies, green schoolyards, and healthy schools. This session will focus on how the District is cultivating community partnerships as it works to devise and implement goals in each area, using Keep Philadelphia Beautiful and Recyclebank as case studies. Participants will hear about lessons learned from the District's collaborative approach, as well as how universities and college students can participate in GreenFutures.

Use of Sustainability as a Conduit for Collaboration within Philadel- phia University

Room 312

(J. Thomas Becker, Associate Vice President for Operations, Philadelphia University)

Workshop Descriptions

Workshop Series II – 1:45-3:00 PM

Philadelphia University Physical Plant Operations has been recognized both regionally and nationally for its innovation, best management practices, and leadership when it comes to facilities management and sustainability. Perhaps the best measure of maturity of a facilities department into a campus community is to become part of the culture. In a time of tight budgets and competition for resources it's easy to become isolated and adversarial. The best solution to all of these concerns is instead collaborative innovation. Applied experiences will be discussed related to facility strategic planning, the development of a sustainable landscape master plan, and the full campus immersion in the creation of our Climate Action Plan. The result is even better performance: financially, environmentally, academically, and for facility stewardship. The practices also provide for a stronger educational experience for students, which should be an end-product goal for any institution.

University Tree Tenders Initiative

Room 300

(Mindy Maslin and Barley Van Clief, Pennsylvania Horticultural Society)

There is often a disconnect between communities and the universities that lie within their borders. Fear and safety issues can result where differences are accentuated and similarities are underplayed. Trees can be the bridge that connects these disparate communities, providing the catalyst for them to collabo-

rate, and like the symbiosis of lichens to leave them better together than either would be alone. Learn how the Pennsylvania Horticultural Society's Tree Tenders University Initiative has fostered these relationships through training -- followed by tree planting and tree care opportunities on campuses as well as in the surrounding communities. In this session we will outline the Tree Tenders program, give examples of successful collaborations with universities, outline ways that your school can participate and the resources PHS can provide. Weather permitting, we will go outside to see examples of what the Philadelphia University Tree Tenders have accomplished by partnering with the East Falls Tree Tenders group.

Teaching and learning at the edge of ignorance

Room 302

(Janice Lion, Center for Peace and Global Citizenship, and Dr. Josh Moses, Anthropology/Environmental Studies, Haverford College and students)

Ethical engagement has increasingly become a focus at liberal arts colleges throughout the United States. Haverford College is currently in the midst of rethinking its place in the wider Philadelphia area, and developing campus-wide initiatives on ethical engagement. In this panel, Haverford College faculty and students will share thoughts about their experiences teaching and learning in environmental studies in an era of climate

Workshop Descriptions

Workshop Series III – 3:30-4:45 PM

change. Presenters will engage the audience in discussion in this highly participatory workshop engaging questions focusing on the kinds of learning experiences that prepare students best to take informed and impassioned social action?

Greening a College: Institutional Commitments and Campus Culture

Room 106

(Dr. Caroline Nielsen, Science Department; Eric Malm, Business Department; Todd Matthews, Leadership and Organizational Development; Raymond Ward, Assistant Director, and Tom Southard, Director, Wolfington Center; Cabrini College)

This session presents two case studies, Green Power Outage and Recycling Redux, which highlight challenges in sustaining green progress within a college or university. These cases focus on issues of campus culture and institutional policies, respectively, and will provide a platform for broad group discussion around these sorts of difficulties and how to best address them.

1,000 hours and \$100,000: Wasted Campus-Community Resources

Room 302

(Barbara Donnini)

Universities and nonprofits make perfect allies, yet every year thousands of mutually beneficial partnership projects are overlooked. There is a lack of communication and collaboration that results in wasted resources. Barbara works with several Philadelphia area universities and nonprofits on partnership projects in the environmental realm. Learn about wildly successful partnerships, missed opportunities, and specifics on where these resources are lost. Also discover what it takes to make a good partnership, how both sides can benefit, and ways students can maintain relationships with their community organizations after graduation.

Scaling Green Schoolyards Efforts and the Role of Higher Education

Room 106

(Lois Brink, University of Colorado/Philadelphia University and Bambi Yost, Iowa State University)

Nationally, there is a firm foundation of the value of green schoolyard design supporting education and community revitalization. In the forefront of this dialogue is STEAM education and the value of play. This session will touch on national trends and then present a case study of two (Fall

Workshop Descriptions

Workshop Series III – 3:30-4:45 PM

of 2015) graduate design studio efforts in North Philadelphia and Mt. Airy with an innovative approach of socially and environmentally engaged design collaboration between K-8 and higher education. The session will include a brief overview of the fall events, lessons learned, and how this model can be scaled to other K-8 schools and Philadelphia institutions of higher education.

ed in Camden and members from both the Philadelphia and Camden groups will present.

PowerCorps: Impacting People, Parks, and Pollution in Philadelphia and Camden Communities

Room 312

(Julia Hillengas, PowerCorpsPHL and Kirby Gaherty, Power Corps Camden with additional corps members)

In this workshop, PowerCorpsPHL and PowerCorps Camden members will discuss their work in city parks and with Green Stormwater Infrastructure. They will explain the environmental impacts of the service they do every day. PowerCorps is a workforce development and environmental stewardship training program. PowerCorps provides participants with the opportunity to develop the skills required to become environmental stewards, secure meaningful work, and become civically engaged members of society. The family culture of PowerCorps builds comradery and the work gives members a sense of ownership in their community. It has recently been replicat-



Biographies of Panelists

Sean Greene

Delaware Valley Regional Planning Commission

Sean Greene is the Manager of Air Quality Programs at the Delaware Valley Regional Planning Commission (DVRPC), where he has worked on air quality and transportation issues for the past ten years. Before coming to DVRPC, Sean worked in water quality protection and planning. Sean has a Master's degree in Community and Regional Planning from Temple University and Bachelor's degree in Biology from the University of Delaware.

Andrew Kricun

Camden County Municipal Utilities Authority

Andrew Kricun is the Executive Director and Chief Engineer of the Camden County Municipal Utilities Authority, operators of an 80 million gallon per day wastewater treatment plant in Camden NJ. He graduated with honors from Princeton with a degree in chemical engineering. Mr. Kricun has over 30 years of experience with wastewater and biosolids management. He is a professional engineer and also a member of the American Institute of Environmental Engineers. He currently serves on the board of the National Association of Clean Water Agencies.

Liz Robinson

Energy Coordinating Agency

Liz Robinson is the Executive Director of the Energy Coordinating Agency of Philadelphia (ECA), a nonprofit she cofounded

in 1984. She graduated Phi Beta Kappa from Goucher College with a BA in International Relations and holds an MFA from Wayne State University. She has over 30 years of experience in energy services, community development, workforce development and education. ECA provides a full range of energy services to residential and commercial customers in the Philadelphia area. ECA and its network of Neighborhood Energy Centers serve more than 20,000 households every year, providing services whose value exceeds \$16 million to their recipients.

ECA is a leader in energy efficient, sustainable housing, both affordable and market rate.

In 2010, ECA launched the Knight Training Center, to meet the workforce needs of the growing clean energy industry. The Center is nationally accredited by IREC and has been renovated to the LEED Gold standard. Liz cofounded the Keystone Energy Efficiency Alliance (KEEA), the trade association working to increase the energy efficiency of all buildings in Pennsylvania and served as President of the KEEA Board of Directors for its first three years.

Julianne Schrader Ortega

Pennsylvania Horticultural Society

Julianne Schrader Ortega is Chief of Programs at the Pennsylvania Horticultural Society (PHS), where she advances the organization's key community greening initiatives with a focus on successful implementation, collaboration within the organization, and management of partnerships vital to PHS. Julianne joined PHS in

Biographies of Panelists

2014 as Director of Gardening Programs. She forged partnerships, developed resources and supported the programs that train community members, teachers, inmates and urban growers to garden, build beauty in Philadelphia, and increase production and distribution of produce for families without access to fresh, local food.

Julianne comes to PHS after working nationally and internationally to transform land use and empower communities to work toward sustainable and just food systems. As Director of Grow to Learn NYC, the citywide school garden initiative, Julianne worked with government agencies and non-profit organizations to connect 400 New York City public schools with the funding, training, and materials needed to start and sustain learning garden programs.

Julianne also worked for over a decade at the Rainforest Alliance, an international conservation organization headquartered in New York, where she helped advance fundraising, monitoring and evaluation and branding efforts, and built and managed a dynamic education for sustainability program. She designed curricula and trained teachers from Brooklyn to Ghana in topics ranging from climate change to sustainable forestry and agriculture. Prior to joining the Rainforest Alliance, Julianne organized habitat restoration and environmental education programs, and conducted field research in marine biology, aquatic botany, wetland ecology, and fisheries.

Barbara Klinkhammer, Dipl.-Ing. Philadelphia University

A successful administrator, accomplished scholar, design teacher and architect, Barbara Klinkhammer became Executive Dean of the College of Architecture and the Built Environment at Philadelphia University in August 2012. She is recognized as a thought leader in architecture and urban design, as well as a women pioneer in the fields of architecture and construction. Klinkhammer came to Philadelphia University from the University of Tennessee, Knoxville, where she served as a tenured professor in several administrative roles including Associate Dean, Chair of Interior Design, and Chair of the Graduate Architecture Programs. Prior to coming to the United States in 1999, Professor Klinkhammer taught for five years at the Bauhaus University in Weimar, Germany.

As an accomplished scholar, her research focuses on the 20th century architect Le Corbusier and on color in the built environment. She has numerous successfully funded grant proposals, peer-reviewed publications and design competition awards to her name. She was a Co-PI for the UT solar house 'Living Light', an award-winning project sponsored by the US Department of Energy and exhibited at the 2011 Solardecathlon Competition on the National Mall in Washington. Currently, she is working on her forthcoming book *After Purism: Le Corbusier and Color*.

Social Media

Join us for a TweetChat with

Generocity

Wednesday, March 2, 2016 at 12 PM

Hop online to continue the conversation after the PHENND Conference with Generocity, the news and events group for social impact in Philadelphia. The tweetchat will recap the conference and lead into Generocity's next **Impact Solutions Meetup**. We'll be chatting about how we can move what we learned at the conference into policy action.

Use the hashtags #ImpSolPHL and #PHENND2016 to follow the discussion.

Follow us on twitter and Facebook! [@PHENNDUpdates](http://www.facebook.com/PHENND)

Use #greencampus and #PHENND2016 to tweet about the conference

Social Impact

In preparation for today's conference, the PHENND staff recently sat down and completed Penn's Green Office Certification Scorecard.

Although we only rated 2 out of 4 stars, we were exceedingly strong in transportation. All six members of the PHENND staff primarily rely on public transit and we make extensive use of carpooling and car sharing when we do drive. We also try to reduce waste by reusing scrap paper and by never buying boxed lunches or bottled water. Today's use of biodegradable disposables is part of our commitment to reducing our environmental impact.

Much of our low score is a result of "zeros" in areas where the real answer was "not applicable." For example, we do not control our furniture procurement.

That said, areas for improvement are in printing and energy usage. We only printed a handful of our Annual Report this year, instead of providing one to each conference participant. We will also be purchasing rechargeable batteries for the remote keyboards and mice in our conference rooms.

Lindy Award for Excellence in K-16 Partnerships

About the Award

The Philip B. Lindy Award for Excellence in K-16 Partnerships honors collaborations between institutions of higher education and K-12 schools. The award recognizes the challenging and important work of the partner organizations and seeks to lift up inspiring, creative, and cutting edge programming.

This year, PHENND will announce the recipient of the Lindy Award today at its Annual Conference. A call for nominations was issued earlier this year and many applications were received. The applications all represented high quality partnerships and it was extremely difficult to select a recipient. The recipient will receive an award of \$1,000 that they can use to strengthen their partnership and will also be featured in the next edition of PHENND's K-16 Partnerships Newsletter. Many of the runners up will also be featured in the newsletter in the coming months.

Given Phil's commitment to education (both K-12 and university-level) as well as collaboration and partnership, this award is a fitting tribute to his passion and dedication.

2015 Inaugural Recipient: Cabrini College & Norristown Area School District

Last year, the Norristown Area School District and Cabrini College were recognized as the first recipients of the Lindy Award for Excellence in K-16 Partnerships.

The partnership between Cabrini College and Norristown Area School District began about 6 years ago when the college students studying Engagement for the Common Good: Our Interconnected Hemisphere with its emphasis on immigration and Latino culture selected to launch a Latino Mentoring Program at the Norristown Area High School. The goal was to increase the Latino graduation rate at NAHS, and increase the number of Latino students applying to college. Since then, the Latino Mentoring Program has expanded down into 2 of their 3 middle schools. The emphasis is on how to prepare for high school, successfully navigate high school, and achieve your post-secondary dreams.

More recently, Cabrini students created the Latino Student Resource – A Guide to Scholarships and Grants to supplement the curriculum. It was approved and welcomed/applauded by NASD administration during Summer 2014. It provides examples and tips on how to write a college essay, a list of scholarships and grants for both documented and undocumented students, both within PA and other states.

About Phil Lindy

Phil Lindy was a philanthropist and entrepreneur whose generosity touched dozens of organizations in the Greater Philadelphia area. In 2010, Lindy funded the creation of the K-16 Partnerships Network at PHENND, which brings together faculty, staff, students, and educators to share, learn, and promote collaboration between K-12 and higher education.

Lindy had a long career as property manager, investor and contractor in the local construction industry. He was a partner with Lindy Communities, a fourth-generation family-run firm that has managed residential properties since the 1930s. Lindy and his late wife, Annabel, expanded the company throughout the Philadelphia area; his sons, Frank and Alan, currently operate the company, which is involved with new construction, student housing, condominiums and full-service senior lifestyle housing. They manage more than 28 communities and 4,000 apartment homes throughout Philadelphia, Bucks and Montgomery counties. Lindy is a 1952 graduate of the Wharton School at the University of Pennsylvania. He received a Doctor of Business Administration degree, honoris causa, from Drexel University in 2010.

