



Tracy Farmer Institute for Sustainability and the Environment

TFISE Summary of Activities Report August 2018 to October 2019

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1.0 Introduction and Report Organization

The Tracy Farmer Institute for Sustainability and the Environment (TFISE) was originally created in 2000 under the name Tracy Farmer Center for the Environment (TFCE) with a vision to address environmental challenges in Kentucky by promoting high-quality research that had the potential to address issues of regional and international relevance. In 2009, the name of the Center was changed to TFISE.

TFISE is administratively located in the University of Kentucky (UK) Office of the Vice President for Research (OVPR), which allows TFISE to easily engage with faculty, students, and staff across the University in a variety of colleges and departments, including 130 faculty and staff affiliates from 9 colleges. In January 2018, OVPR affiliated TFISE with the Kentucky Water Resources Research Institute (KWRRRI). The TFISE organizational chart is shown as Figure 1 and consists of Dr. Lindell Ormsbee, Director of KWRRRI and Executive Director of TFISE, a Director of TFISE (vacant as of 10/31/2019), and Ms. Alicia Landon, TFISE Program Coordinator. Although not formally included in TFISE, the UK Office of Sustainability is an important partner with whom TFISE interacts often.



Figure 1. TFISE Organizational Chart

This report is divided into four sections and summarizes TFISE activities from August 15, 2018 through October 31, 2019. Section 1.0 provides an Introduction. Section 2.0 describes continuous and/or annual activities. Section 3.0 discusses activities that occur intermittently on a non-annual basis. Section 4.0 provides a brief conclusion.

Note: From August 16, 2018-May 15, 2019, Dr. Kelly Pennell served as both the KWRRRI Acting Director and the TFISE Acting (Executive) Director. The KWRRRI Director was on sabbatical from August 16, 2018-May 15, 2019. From May 16, 2019-October 31, 2019, she served as TFISE Interim Director.

2.0 Annual/Continuing Programs

2.1 Design Week 2018 and 2019

August 24, 2018 marked the beginning of the 4th Annual Design Week program. The theme of the 2018 Design Week was “Branching Out,” which included a study of the Lexington Town Commons site restoration plan. Carolina Segura, Senior Lecturer in the College of Agriculture, Food and the Environment (CAFE), Department of Landscape Architecture, and Barbara Young, Lecturer in the College of Design, School of Interiors, co-organized the 2018 activities with support from TFISE affiliated faculty. Each year, Design Week incorporates a tangible example for students to witness successful water-related planning projects. In 2018, the Columbus Riverfront was used as an example for the students. TFISE arranged and sponsored travel for approximately 100 students to visit the Columbus Riverbend Commons in Ohio. Students and faculty met with the designers for the Columbus project, MKSK (<https://www.mkskstudios.com/>), and learned about design aspects of the Scioto Greenways.

Hannah Phillips, TFISE’s media and communication sustainability intern, created the Design Week 2018 video:

https://www.youtube.com/watch?time_continue=14&v=K8Zbiim2mIg

September 23, 2019 kicked off the 5th Annual Design Week program with a new collaboration with the Department of Landscape Agriculture and the Department of Civil Engineering around a theme of *Regenerative Landscape: Conserve-Manage-Restore-Generate*. A keynote lecture was given by Kelly Cederberg, Assistant Professor in the College of Architecture, Planning, and Landscape Architecture at the University of Arizona, about her work redesigning former golf courses using sustainable approaches. UK students collaborated in teams to produce ideas and a master plan for the former Andover Golf Course in Lexington. The Andover Neighborhood Association participated in events and students were able to learn from community members. Students were also able to visit the Andover Golf Course and produce videos showing how their designs would emphasize community-relevant features for the many water and other natural resources at the site. Water resource and sustainable agriculture experts, as well as city officials, participated in a panel during Design Week 2019 to provide context for sustainable designs that showcase significant water and native species as agricultural features.

In the coming months, Hannah Phillips, TFISE’s media and communication sustainability intern, will be creating a video to highlight Design Week 2019.

2.2 Urban Forest Initiative (UFI) and Tree Week

The urban tree canopy is critically important for the health of Kentucky's communities, contributing substantially to ecological, economic, and social sustainability. Increasing the quantity and quality of the urban tree canopy cover enhances its contribution to ecosystem services, increases its aesthetic value, and promotes human health and a sense of community. The Urban Forest Initiative (UFI), led by Dr. Mary Arthur, Professor in CAFE, Department of Forestry, and Dr. Lynne Rieske-Kinney, Professor in CAFE, Department of Entomology, work to address this deficit by innovating, developing, and modeling replicable urban and community forestry outreach programs on campus, in Lexington, and throughout Kentucky, thus building greater visibility and function of this essential component of urban sustainability. Each year, TFISE provides critical funding to support UFI's work. This funding supports events, as well as a portion of salary for UFI staff.

<https://www.research.uky.edu/tracy-farmer-institute-sustainability-and-environment/urban-forest-initiative>

Tree Week (Figures 1 and 2) is a highly visible and well-attended event supported by UFI and TFISE. It is an annual celebration of Lexington's trees and all the ways they impact our lives. It celebrates and synthesizes the roles trees play through creative, informative and fun-filled activities including community tree plantings; tree walks; tours and hikes; educational programs for youth and adults; art, poetry, and music events; outdoor yoga; community workshops and seminars; and the Kentucky Tree Climbing Competition.



Figure 2. Tree Week 2018 and 2019 Flyers

Full schedules of events are available online: 2018: <https://ufi.ca.uky.edu/treeweek2018>

2019: <https://ufi.ca.uky.edu/treeweek2019>



Figure 3. Tree Week 2019 Lecture about native species given by EARTHem Landscape Design Studio on October 12, 2019 - Photo shows members from the Urban Forest Initiative, LFUCG, Trees Lexington, SeedLeaf and TFISE

2.3 Water Week 2018

Water Week 2018 was held from October 15-19, 2018. Dr. Carmen Agouridis, Associate Extension Professor in CAFE, Department of Biosystems and Agricultural Engineering and Associate Dean of Instruction in CAFE, organized the week of events around the theme of community engagement and coordinated a shoe drive with Water Step, a non-profit organization that conducts drinking water projects across the globe and raises funds by conducting shoe drives. <https://uknow.uky.edu/uk-happenings/uk-water-week-2018-focuses-community-engagement>

To kick off the week, Water Step Founder and CEO, Steve Hogg, and Water Step Advisory Board Member and President of Bluewater Kentucky, Greg Heitzman, gave the keynote lecture at the Gatton Student Center about Water Step's projects and opportunities to improve drinking water in developing countries (Figure 4). The lecture motivated several students to become involved with this organization through internships and training events. Ashley Hall, an undergraduate student in the College of Engineering, worked at Water Step in the summer of 2019 after hearing the keynote lecture.

<https://www.facebook.com/WaterStep/posts/please-join-us-in-welcoming-our-summer-college-interns-ashley-hall-left-and-rebe/2471597979552335/>

As part of Water Week events, community members and students conducted a full day clean up event at Lexmark Park, in addition to the UK CATchment rain garden clean-up under the direction of Dr. Agouridis. A film screening of *Before the Flood*, co-organized with

the Office of Sustainability, was well attended by faculty and students. Water Week also included a popular career panel of water professionals, which was co-hosted by the Water Professionals Student Chapter. Both events included discussion with expert panelists from UK and around the state to engage students, enhance understanding, and provide an opportunity for networking and professional development.



Figure 4. Steve Evans, Associate Director of KWRRI, introduces Greg Heitzman and Mark Hogg, who delivered the Water Week Keynote Lecture on the NGO, Water Step.

2.4 Kentucky Climate Consortium (KYCC)

Climate awareness is crucially important in Kentucky, the nation and the world. UK’s Kentucky Climate Consortium (KYCC) was created to support efforts to develop rich and interdisciplinary research and teaching collaborations across the sciences –engineering, social sciences, humanities, and the arts. This consortium includes Kentucky climate researchers and educators, and promotes collaboration and information sharing on climate awareness issues, and the dissemination of information to the state’s population. TFISE supports a website linking Kentucky’s citizens, students, and teachers to the consortium. The leaders of KYCC, Dr. Agouridis and Dr. Lauren Cagle, Assistant Professor in the College of Arts and

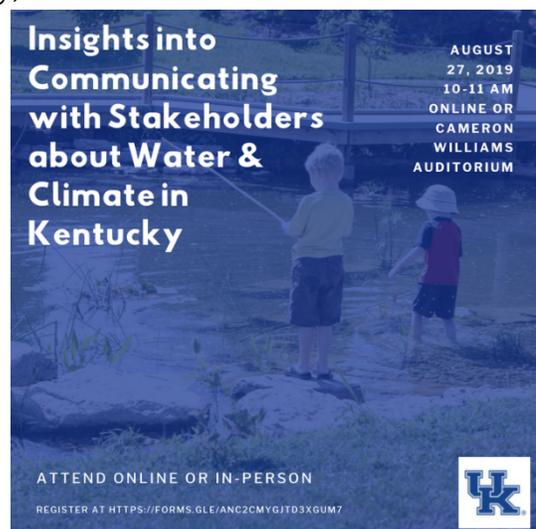


Figure 5. Webinar, August 27, 2019

Sciences, Department of Writing, Rhetoric, & Digital Studies, presented results from their statewide survey in order to address the question: What do Kentuckians think about the water and climate issues we face in the Commonwealth? This event was intended for county extension agents, water professionals and community leaders to provide insights on how to best communicate such issues with stakeholders and improve the effectiveness of water programming. The survey project was supported by a research grant funded by KWRRI.

TFISE is sponsoring a stakeholder meeting for KYCC that will be held on November 1, 2019 from 9 AM-1:30 PM at the Boone Center in order to convene the first face-to-face meeting of the Kentucky Climate Consortium. This kick-off meeting has three primary goals:

- Facilitate networking and relationship-building among consortium members, who come from institutions across the state;
- Determine the KYCC's internal structure and decision-making process; and
- Discuss the KYCC's overall goals and opportunities for supporting members' ongoing research and engagement efforts and determine which to prioritize through 2020.

2.5 Local Food Summit and Other Food-Related Efforts

Food Systems Initiative (FSI) is a cross-college group of faculty and staff, that: strengthens and creates University-level programs; provides leadership and support for various food-related scholarship at UK; promotes formal and informal education about food systems; and mobilizes resources to address food-related issues. FSI partners heavily with the Food Connection, a unit at UK established to facilitate academic integration on sustainable food systems issues, funded by an endowment through UK's private dining services partner, Aramark. FSI also has many other collaborators, including the James B. Beam Institute for Kentucky Spirits which was established in 2019.

<https://www.research.uky.edu/tracy-farmer-institute-sustainability-and-environment/food-systems-initiative>

The Food Connection hosted the successful 2019 Local Food Systems Summit (Figures 6 and 7) and is planning to host another Local Food Systems Summit in early 2020, as well as the Universities Fighting World Hunger Summit in 2020. TFISE is involved with these efforts through its involvement with FSI.

The first local food summit took place on March 27, 2019 at the Gatton Student Center. TFISE provided financial resources for the event. The event was organized by representatives from The Food Connection, the Lexington-Fayette Urban County Government's Bluegrass Farm to Table initiative, and Bluegrass Tomorrow. There were

140 attendees and the agenda included sessions on the topics of research, programs and best practices, foundational knowledge and roundtable discussions; spanning the main areas of agriculture, market development, community nutrition, and policy. A review praising the success of the event was featured in UKNow on April 5, 2019 (<https://uknow.uky.edu/campus-news/first-local-food-summit-uk-deemed-big-success>).



Figure 6. Attendees at the 2019 Local Food Summit



Figure 7. March 2019 Kentucky Local Food Systems Summit Sponsored in part by TFISE

2.6 CATchment Rain Garden and UK Stormwater Management

The CATchment Rain Garden was established in 2014 with funding provided by an LFUCG stormwater grant, the Student Sustainability Council and TFISE. Located behind the Gluck Equine Research Center, the rain garden is a living learning laboratory for sustainable stormwater management. A dedicated advisory group of University of Kentucky faculty and staff oversees the management, maintenance, and use of the garden. TFISE administers clean-up of the CATchment Rain Garden twice annually. Figure 8 shows a sign-up page on the TFISE website for service-learning opportunities.

In May 2018, UK filed a *Notice of Intent* to continue managing stormwater discharges associated with their main campus' MS4 pursuant to general permit (#KYG200000) issued by the Kentucky Division of Water. UK was issued coverage under Phase II MS4 general permit (#KYG200052) by the Kentucky Division of Water. A *Storm Water Quality Management Plan* (SWQMP) is associated with this permit and it contains descriptions and schedules for various tasks required by their permit for UK's main campus. TFISE is listed in the permit as collaborating on various activities related to implementing the UK 2018-2023 Stormwater Quality Management Plan, specifically the Minimum Control Measures (MCM).

An MS4 Stakeholder Advisory Committee has established several activities that need to be completed as part of the Stormwater Quality Management Plan. The MS4 Stakeholder Advisory Committee is currently led by Charles “Kevin” Lewis, Water Quality Compliance Manager within the UK Environmental Management Department (EMD). Dr. Agouridis has been representing TFISE-affiliated faculty and carries out tasks coordinating closely with Mr. Lewis.

The CATchment Rain Garden: A Living Learning Lab



Sign Up

2019 CATchment Service Learning

The CATchment rain garden, located behind the Gluck Equine Research Center, is a living learning laboratory for sustainable stormwater management. A dedicated advisory group of University of Kentucky faculty and staff, representing both academic and administrative departments, oversees the management, maintenance, and use of the garden. Join us for one or more of our service learning events this fall. Refreshments will be provided!

- Friday, September 20th from 3-6 PM
- Saturday, September 21st from 11 AM- 2 PM
- Friday, November 1st from 1:30-4:30 PM

Support for this series is provided by the Tracy Farmer Institute for Sustainability and the Environment, the College of Agriculture, Food and the Environment and the Office of Facilities Management.

[Volunteer Registration](#)

Figure 8. TFISE Service-Learning Opportunities at the CATchment Rain Garden

2.7 Annual Sustainability Challenge Grant Program

The UK Sustainability Challenge Grant Program is a collaborative effort of the President’s Sustainability Advisory Council, TFISE, and the Office of Sustainability. It was

collaboratively designed to engage multidisciplinary teams from across the University community in the creation and implementation of ideas that will promote sustainability.

In 2019, seven Sustainability Challenge Grants were awarded:

1. Improving Bicycle Infrastructure Using SPIN Bike, Share Trip Data (\$27,500)

Team members: Nic Stamatiadis, Civil Engineering; Carolina Segura Bell, Landscape Architecture; Eric Green, KY Transportation Center

2. Nature Playscape and Native Landscape at the Child Development Center of the Bluegrass (\$36,000)

Team members: Jordan Phemister, Adina Cox, Ned Crankshaw, and Chris Sass from Landscape Architecture; Rick Durham and Robert Geneve, Horticulture; Maureen Dreckman, Facilities Information Services; Heather Erwin and Marilyn Campbell, Kinesiology and Health Promotion; Alicia Fedewa, Psychology; Jackie Gallimore, Arboretum; Jerry Hart, PPD Grounds; Melissa Rue and Claude Stephens, Children at Play Network; Jason Scroggin, Architecture; Nikki Sexton and Heather Shaw, Child Development Center of the Bluegrass

3. Just Food: Engaging UK in Racially Equitable Food Systems Development (\$34,648)

Team members: Chhaya Kolavalli, Center for Equality and Social Justice; Christia Spears Brown, Psychology; Sarah Lyon, Anthropology; Lilian Brislen, Food Connection; Rosalind Harris and Karen Rignall, Community Leadership Development; Priscilla McCutcheon, Geography; Mia Farrell, Diversity and Cooperative Extension HR; Ashley Holt, Diversity; Auyanna Wright, MANNRS

4. Tree CATS (\$19,871)

Team members: Mary Arthur, Nic Williamson, and Mikayla Rogers, Forestry; Lynne Rieske-Kinney, Entomology; Bryan Kist, NRES; Brianna Damron, Nursing; Stacy Borden, Arboriculture; Ellen Crocker, Forest Health Research Center

5. Sustainability Module for First Year Experience (\$11,000)

Team members: Ali Rossi, Community Leadership Development; Helen Turner, Interiors; Ryan Voogt, History

6. Organic Waste Composting Pilot Project (\$36,094)

Team members: Steve Higgins, Animal and Environmental Compliance; Lee Moser, Cooperative Extension; Joanna Ashford, Recycling; Carolyn Gahn, UK Dining

7. Kentucky Integrated Biorefinery (\$34,887)

Team members: Justin Mobley, Mark Crocker, Bert Lynn, and Mark Meier, Chemistry; Rachel Schendel, Food Science; Seth Debolt, Horticulture; Sue Nokes and Jian Shi, Biosystems and Ag Engineering; Matt Weisenberger, CAER; Michelle Schardein, Business Officer

A list of past projects and abstracts from 2015-2019 are available online:
<https://www.uky.edu/sustainability/sustainability-challenge-grants>

In 2019, TFISE used SciVal to evaluate the publication history of the researchers who were awarded sustainability challenge grants at UK from 2015-2018. SciVal is a publication metric analysis resource that analyzes 38 million publication records from 21,915 journals of 5,000 publishers worldwide. Collectively, the sustainability challenge grants recipients included 50 authors who published 345 scholarly works during this time period. These scholarly outputs have been cited 1,687 times and have an average of 4.9 citations per publication. The field-weighted citation impact factor for this group of researchers indicates that these publications are cited near the average of other scholars. Additionally, 13% of the researchers have publications that are among the top 10% most cited papers worldwide, and 32.4% of publications by this group are in the top 10% of the most cited journals indexed by CiteScore.

The results of the SciVal analysis is significant because it demonstrates the grant receipts perform well in existing research areas, while at the same time they devote efforts to emerging areas of interest, outreach, and engagement. This group of researchers is impacting the University as a whole by contributing to multidisciplinary activities that have broad, meaningful, qualitative impacts, as well as achieving the strong quantitative scholarship metrics measured by SciVal.

2.8 UK Sustainability Forum, December 2018

Each year TFISE organizes and sponsors a university-wide Sustainability Forum to highlight the accomplishments of faculty and student contributions related to sustainability. The 2018 UK Sustainability Forum took place on December 4th from 4-7 PM at the Hillary J. Boone Center. TFISE has organized this forum through coordination with the Office of Sustainability and the UK Center for Appalachian Studies. The 2018 poster session featured 22 posters: including the six sustainability challenge grants awarded the previous year. The event concluded with an awards ceremony where poster winners for graduate and undergraduate students were announced. In addition, the 2019 Sustainability Challenge Grant project recipients for the upcoming year were announced by Mr. Shane Tedder, UK Sustainability Coordinator. Figure 9 shows members of the TreeCATS team after the announcement that their project would be awarded funding.



Figure 9. From left, Dr. Kelly Pennell, Nic Williamson, Dr. Mary Arthur, Stacy Borden, Brianna Damron, and Shane Tedder at the Sustainability Forum awards ceremony, December 2018

2.9 Sustainability Intern Program

TFISE collaborates with the Office of Sustainability and the Student Sustainability Council to provide undergraduate internship opportunities. TFISE typically provides financial resources to support five interns per academic year. The Office of Sustainability coordinates with additional partners including the Student Sustainability Council and partners to support additional intern. The Office of Sustainability provides additional peer mentorship to promote meaningful opportunities for these students.

TFISE-funded interns are assigned to work with faculty in the Urban Forest Initiative (UFI), TFISE, the Food Systems Initiative (FSI), Water Systems, and with faculty who organize Design Week. In 2019, resources for a water systems intern were being allocated through UK Environmental Management Department as part of UK's Stormwater Management Plans (See Section 2.6).

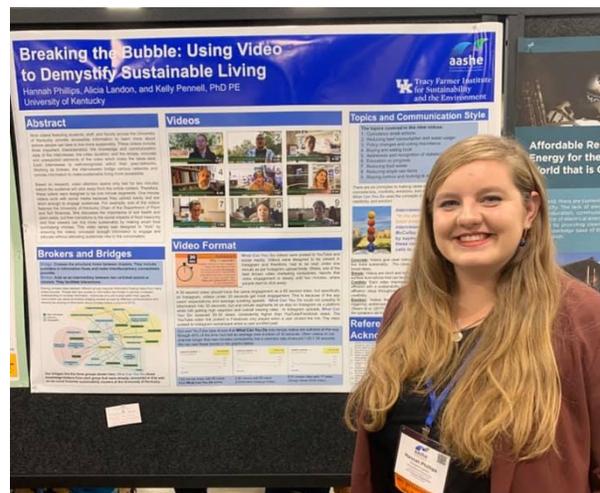


Figure 10. TFISE Intern, Hannah Phillips, AASHE Conference, October 2019

In October 2018, TFISE provided additional funding to support travel for sustainability interns to attend the national Annual Conference for the Association for the Advancement of Sustainability in Higher Education (AASHE). In 2019, the AASHE Annual Conference was held in Spokane, WA (October 27-30, 2019). The TFISE Communications and Media Intern (undergraduate at UK) Hannah Phillips presented a poster at the conference (Figure 10). Her poster highlighted the work she is conducting with videos, social media, and the role that “bridges and brokers” have in sharing ideas across disciplines within TFISE.

2.10 Institute for Sustainable Manufacturing Conference, October 2018

TFISE has been a long-time supporter of UK’s Institute of Sustainable Manufacturing’s (ISM) conferences by coordinating with ISM faculty to fund these high-impact events. On October 2-4, 2018, ISM hosted the 16th Global Conference on Sustainable Manufacturing in Lexington, KY (see Figure 11). The conference was attended by 160 people from 28 different countries. TFISE was recognized as a bronze level sponsor of the event.



Figure 11. TFISE Sponsored 16th Global Conference on Sustainable Manufacturing

3.0 Other Activities

3.1 Florence Williams, Community Lecture, April 2019

On April 3, 2019, TFISE partnered with the UFI to host a free community event featuring journalist and author Florence Williams. Williams spoke to an audience of over 300 people about her experiences in writing her book, *The Nature Fix: Why nature makes us happier, healthier, and more creative*. Figure 12 captures the engaged audience at the event. For this lecture, TFISE reached out to health-related researchers, including UK-Center for Appalachian Research in Environmental Sciences and the UK-Superfund Research Center. Both Centers set-up tables and shared research materials, along with UFI's many community stakeholders who also had tables. The National Institute of Environmental Health Sciences shared a photo from this UK event in their monthly newsletter as the Photo of the Month (Figure 13).



Figure 12. Audience at the Community Lecture, Florence Williams.



On April 3, the University of Kentucky hosted a successful community lecture featuring Florence Williams, who discussed her book, *The Nature Fix*. The lecture reached an audience of almost 300 people. During the event, the University of Kentucky SRP Center Community Engagement Core (CEC) had an exhibit that displayed the Veggie Meter, a carotenoid scanner that assesses fruit and vegetable intake of program participants. CEC Leader Dawn Brewer and Program Coordinator Annie Koempel also provided attendees with [Plate it Up Kentucky Proud](#) recipes with matching phytonutrient cards, information about how many fruits and vegetables are recommended for different age groups, and tips to increase intake. They also provided information about the CEC, what they do, who they partner with, and their current Deputy Director Kelly Pennell; Gia Mudd Martin, the Director for Community Engagement and Research for the University of Kentucky Center for Clinical and Translational Science; and Lynne Rieske-Kinney, co-lead of the University of Kentucky of Urban Forest Initiative. (Photo courtesy of the University of Kentucky SRP Center)

Figure 13. Photo of the Month (May 2019) from NIEHS Newsletter featuring the UFI/TFISE Event

3.2 Bluegrass Birding Festival, May 2019

TFISE engaged with the Farmer family to participate in the 6th annual Bluegrass Birding Festival. A keynote lecture from Nate Swick of the American Birding Association kicked off the festival on May 10, at the Living Arts & Science Center. On Saturday, May 11, UFI led a nature walk that incorporated birding and Urban Forest Initiative's (UFI's) Adopt-a-Tree program. This event was one of the first events in years in which TFISE was able to connect with the Farmer family around common goals related to the institute's mission.

<http://uknow.uky.edu/campus-news/uk-s-tracy-farmer-institute-supports-birding-festival-weekend>

3.3 North American Assoc. of Env. Educators (NAAEE), October 2019

The 48th Annual North American Association of Environmental Educators (NAAEE) Conference was held at the Lexington Convention Center from October 16-19, 2019. The theme was *Educating for a Just and Sustainable Future*. TFISE attended the conference as an exhibitor, along with several other major universities (Cornell University, Arizona State University, Ohio State University, University of Wisconsin, etc.). TFISE has been a long-time supporter of environmental education and is a member of Kentucky Association of Environmental Educators. Participating in conferences and raising the visibility of TFISE has been a recent goal as TFISE shifts to increasing its reputation beyond UK's campus.

Figure 14 shows the TFISE’s booth at NAAEE that can be used at other public events in the future. During NAAEE, conference attendees expressed considerable interest in sustainability and environmental programs/activities at UK.



Figure 14. Tweets from TFISE’s Exhibit Booth at NAAEE, October 2019

3.4 K-Week and Student Information Resources

On August 23, 2019, TFISE participated in an interactive and dynamic event to promote sustainability and environment interests to incoming undergraduate students that was organized by Office of Sustainability. This was the first time a sustainability themed K-Week event was held. In addition to TFISE, representatives from the Department of Natural Resources & Environmental Sciences and the Department of Environmental Studies, the President Sustainability Advisory Council, and the Student Sustainability Council also led breakout sessions. Approximately forty undergraduate students attended. TFISE prepared resources for students about the range of sustainability-related educational and research opportunities available at UK.

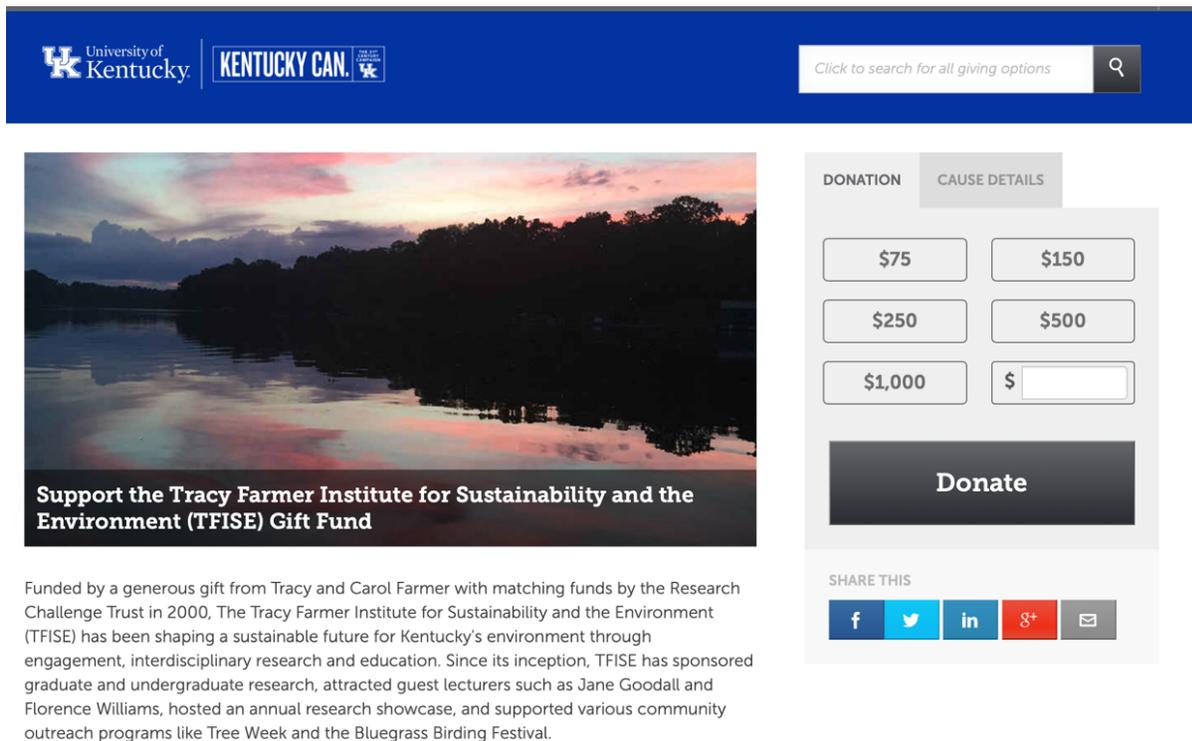
At the Fall 2019 K-Week, students were particularly interested by TFISE’s list of sustainability-related graduate and undergraduate student certificates. Certificate programs provide students a way to gain cross-disciplinary knowledge through a cluster of courses. Certificates *enhance* traditional degrees with contextual knowledge about a topic of interest to a student, and often require less credits than a minor. Once students complete the requirements of a certificate, they are listed on a student transcript. Therefore, certificates can be a meaningful and convenient way to advance a student’s educational and professional goals.

TFISE has handouts available with sustainability-related certificate listings, and also maintains a listing on its website. <https://www.research.uky.edu/tracy-farmer-institute-sustainability-and-environment/courses-sustainability-environment>

4.0 Conclusions

TFISE serves as a critical umbrella harnessing a powerful network of committed faculty, staff, and students who carry out a range of sustainability-related activities across UK's campus and beyond. As TFISE continues forward toward its 20th year, it is exciting to see the sustained efforts and impacts of so many persistent and dynamic collaborations.

Because of expressed interest from TFISE's stakeholders and friends, UK Philanthropy established a giving portal which is now accessible on the TFISE home page (<http://bit.ly/2IU41Dt>), see Figure 15. Please consider spreading the word and/or donating.



The screenshot shows the TFISE Gift Fund webpage. At the top, there is a blue header with the University of Kentucky logo and the text "KENTUCKY CAN." followed by a search bar with the placeholder text "Click to search for all giving options". Below the header is a large image of a sunset over a lake. Underneath the image is the text "Support the Tracy Farmer Institute for Sustainability and the Environment (TFISE) Gift Fund". To the right of the image is a donation form with tabs for "DONATION" and "CAUSE DETAILS". The donation form has buttons for \$75, \$150, \$250, \$500, and \$1,000, along with a custom amount input field. Below the donation buttons is a "Donate" button. At the bottom of the form is a "SHARE THIS" section with social media icons for Facebook, Twitter, LinkedIn, Google+, and Email. Below the image and form is a paragraph of text describing the fund's history and mission.

Funded by a generous gift from Tracy and Carol Farmer with matching funds by the Research Challenge Trust in 2000, The Tracy Farmer Institute for Sustainability and the Environment (TFISE) has been shaping a sustainable future for Kentucky's environment through engagement, interdisciplinary research and education. Since its inception, TFISE has sponsored graduate and undergraduate research, attracted guest lecturers such as Jane Goodall and Florence Williams, hosted an annual research showcase, and supported various community outreach programs like Tree Week and the Bluegrass Birding Festival.

Figure 15. TFISE Gift Fund Webpage (Screenshot)

"When we try to pick out anything by itself, we find it hitched to everything else in the Universe."

-John Muir