CAUSES

Annual Activities Report

Fiscal Year 2014
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Introduction

This report summarizes the grants activities and publications of the University of the District of Columbia’s College of Agriculture, Urban Sustainability and Environmental Science (CAUSES) for Fiscal Year (FY) 2014, which extends from October 1, 2013 to September 30, 2014. Grant activities include grant money awarded and grants submitted from external sources. This report is structured to reflect activities of the five CAUSES Landgrant Centers as well as the Academic Programs in CAUSES:

- Center for Urban Agriculture & Gardening Education
- Center for Sustainable Development
  - Water Resources Research Institute
- Center for Nutrition, Diet and Health
  - Institute of Gerontology
- Center for 4-H and Youth Development
- Architectural Research Institute

Grants received by academic departments are included in the total grant money awarded. In FY 2014 CAUSES Academic Programs were comprised of five Bachelor’s degree programs in Architecture, Environmental Science, Health Education, Nursing and Nutrition and Dietetics; plus three Master’s degree programs in Architecture, Nutrition and Dietetics, and Water Resources Management.

In FY 2014, CAUSES was awarded a total of $6,171,0361. Since its inception in FY 2010, CAUSES has been effective in increasing the amount of grant money received annually, in line with the College’s overall growth.

For more information about UDC CAUSES grant activities, publications and programs, please contact Dr. Sabine O’Hara, Dean and Director of Landgrant Programs or William Hare, Associate Dean of Landgrant Programs, at CAUSES@udc.edu or at whare@udc.edu.

1Grants awarded in FY 2014 total $5,971,442. This includes a 4H Life DC grant ($37,322), the Expanded Food and Nutrition Program award ($110,505), and the Water Resources Research Act of 1984 grant allocation ($92,335). Due to delays in several award letters, the UDC Office of Sponsored Programs did not include these grants in FY 2014. The Scholarship for Disadvantaged Students, which was submitted by UDC CAUSES is included in the UDC-CC grant award figures. For the purposes of annual comparisons, the graph above uses the OSP figure of $6,171,036.
Grants Submitted in FY 2014 by Landgrant Center

Some of the grants included were submitted in FY 2014 and are still pending. Two pending grants that were submitted in FY 2014 are not included since they cut across several of the landgrant centers. They are (1) a Sustainability Research Networks grant in the amount of $10,214,374 and a SPARC-EMT grant in the amount of $750,000. The Water Resources Research Institute did submit any grant awarded in FY 2014 during the same Fiscal Year.

Grants Funded in FY 2014 by Landgrant Center

Four awarded grants are not included since they cut across several landgrant centers. Other awards include the Scholarship for Disadvantaged Students ($513,048), the Hatch Act of 1887 ($763,365), the Hatch Act Multistate of 1887 ($145,479) and the DC Post Public Secondary Education Program ($1,180,960). The Hatch Act of 1887 includes the following research grants:

- Young Urban Canopy Trees ( $16,600)
- Soil Analysis for Trace Elements ($25,000)
• Growing Nutrient Dense Rice ($25,000)
• Solar Wells as Alternative Sources ($24,408)
• Five Pillars of Economic Development ($24,300), and
• Establishment of Computational Infrastructure ($25,000).

The Hatch Act Multistate of 1887 includes the following research grant in Nutrition and Dietetics:
• Changing the Health Trajectory for Older Adults through Effective Diet and Activity Modifications.

### Submitted & Awarded Grants by Landgrant Center

<table>
<thead>
<tr>
<th>Landgrant Center</th>
<th>Submitted</th>
<th>Total Pending Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Research Institute</td>
<td>0</td>
<td>$0</td>
</tr>
<tr>
<td>Institute for Gerontology</td>
<td>0</td>
<td>$0</td>
</tr>
<tr>
<td>Water Resources Research Institute</td>
<td>0</td>
<td>$0</td>
</tr>
<tr>
<td>Center for 4-H and Youth Development</td>
<td>2</td>
<td>$174,880</td>
</tr>
<tr>
<td>Center for Nutrition, Diet and Health</td>
<td>1</td>
<td>$518,312</td>
</tr>
<tr>
<td>Center for Urban Agriculture and Gardening Education</td>
<td>1</td>
<td>$791,883</td>
</tr>
<tr>
<td>Center for Sustainable Development</td>
<td>8</td>
<td>$3,024,120</td>
</tr>
<tr>
<td>Grand Total</td>
<td>12</td>
<td>$2,931,785</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landgrant Center</th>
<th>Awarded</th>
<th>Total Awarded Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Resources Research Institute</td>
<td>0</td>
<td>$92,335</td>
</tr>
<tr>
<td>Center for 4-H and Youth Development</td>
<td>2</td>
<td>$72,322</td>
</tr>
<tr>
<td>Institute for Gerontology</td>
<td>2</td>
<td>$375,997</td>
</tr>
<tr>
<td>Center for Urban Agriculture and Gardening Education</td>
<td>4</td>
<td>$413,681</td>
</tr>
<tr>
<td>Center for Nutrition, Diet and Health</td>
<td>3</td>
<td>$593,434</td>
</tr>
<tr>
<td>Architectural Research Institute</td>
<td>2</td>
<td>$892,321</td>
</tr>
<tr>
<td>Center for Sustainable Development</td>
<td>1&lt;sup&gt;2&lt;/sup&gt;</td>
<td>$928,500</td>
</tr>
<tr>
<td>Grand Total</td>
<td>14</td>
<td>$3,368,590</td>
</tr>
</tbody>
</table>

### Submissions by Project Type

- Research 71%
- Education 9%
- Service 12%
- Other 8%

### Awards by Project Type

- Research 42%
- Service 49%
- Education 9%

<sup>2</sup> $8,000 of the Specialty Crop Grant is under the Center for Sustainable Development but technically the grant is under the Center for Urban Agriculture and Gardening Health.
# Submissions and Awards by Sponsoring Agency

<table>
<thead>
<tr>
<th>AGENCY NAME</th>
<th>#</th>
<th>TOTAL $ SUBMITTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force</td>
<td>1</td>
<td>$750,000</td>
</tr>
<tr>
<td>CSX</td>
<td>1</td>
<td>$10,000</td>
</tr>
<tr>
<td>DCHA</td>
<td>1</td>
<td>$791,883</td>
</tr>
<tr>
<td>DC Innovation Fund</td>
<td>4</td>
<td>$2,469,190</td>
</tr>
<tr>
<td>DC Office of Planning</td>
<td>1</td>
<td>$335,000</td>
</tr>
<tr>
<td>DDOE</td>
<td>1</td>
<td>$149,998</td>
</tr>
<tr>
<td>EPA</td>
<td>1</td>
<td>$59,932</td>
</tr>
<tr>
<td>National 4-H Council</td>
<td>2</td>
<td>$174,880</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>1</td>
<td>$10,214,374</td>
</tr>
<tr>
<td>Office of the State Superintendent of Education</td>
<td>1</td>
<td>$518,312</td>
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</table>

Grand Total: 14 | $15,473,569

<table>
<thead>
<tr>
<th>AGENCY NAME</th>
<th>#</th>
<th>TOTAL $ AWARDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporation for National and Community Service</td>
<td>1</td>
<td>$225,997</td>
</tr>
<tr>
<td>DC DHDC</td>
<td>2</td>
<td>$892,321</td>
</tr>
<tr>
<td>DC DOH, Bureau of Nutrition</td>
<td>1</td>
<td>$480,429</td>
</tr>
<tr>
<td>DC DOJ</td>
<td>1</td>
<td>$37,322</td>
</tr>
<tr>
<td>DC Office of Aging</td>
<td>1</td>
<td>$150,000</td>
</tr>
<tr>
<td>DDOE</td>
<td>1</td>
<td>$920,500</td>
</tr>
<tr>
<td>Department of the Army</td>
<td>1</td>
<td>$35,000</td>
</tr>
<tr>
<td>Share our Strength</td>
<td>1</td>
<td>$2,500</td>
</tr>
<tr>
<td>University of Vermont</td>
<td>1</td>
<td>$15,000</td>
</tr>
<tr>
<td>US DHHS</td>
<td>1</td>
<td>$513,048</td>
</tr>
<tr>
<td>USDA</td>
<td>6</td>
<td>$2,496,485</td>
</tr>
<tr>
<td>USDA – NIFA</td>
<td>1</td>
<td>$110,505</td>
</tr>
<tr>
<td>USGS</td>
<td>1</td>
<td>$92,335</td>
</tr>
</tbody>
</table>

Grand Total: 18 | $5,971,442

# Submissions and Awards by Funding Source

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[Graph of submissions and awards by funding source]
Publications and Presentations

As a Landgrant College, CAUSES must be relevant to the region it serves. Consistent with its mission, CAUSES therefore conducts applied research that “...improves the Quality of Life and Economic Opportunity of people and communities in the District of Columbia”. Disseminating our research findings is an integral part of the CAUSES mission. UDC CAUSES faculty and landgrant specialists accomplish this task through publications, lectures and participation in professional meetings and associations. Due to the review process, publications may undergo a lengthy process between completion of the work and its publication. To provide a more comprehensive picture of the College’s publication activities, the following table includes the number of books, articles and research reports published between 2010 and 2014, as well as the number of speaking engagements and invited presentations of CAUSES faculty members and landgrant specialists.

<table>
<thead>
<tr>
<th>PUBLICATIONS AND PRESENTATIONS FY’10-‘14</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td>6</td>
</tr>
<tr>
<td>Articles</td>
<td>12</td>
</tr>
<tr>
<td>Invited Lectures &amp; Presentations</td>
<td>65</td>
</tr>
<tr>
<td>Total</td>
<td>83</td>
</tr>
</tbody>
</table>
## Appendix A: Fiscal Year 2014 Award Table

Submitted in Previous Fiscal Year(s) and Awarded in FY 2014

<table>
<thead>
<tr>
<th>PROJECT TITLE</th>
<th>PROJECT TYPE</th>
<th>NEW/RENEWAL/ CNTNG</th>
<th>AWARD DATE</th>
<th>TOTAL AWARD AMOUNT</th>
<th>PROPOSED START DATE</th>
<th>PROPOSED END DATE</th>
<th>AGENCY NAME</th>
</tr>
</thead>
</table>

Submitted in FY 2014

<table>
<thead>
<tr>
<th>PROJECT TITLE</th>
<th>PROJECT TYPE</th>
<th>NEW/RENEWAL/ CNTNG</th>
<th>AWARD DATE</th>
<th>TOTAL AWARD AMOUNT</th>
<th>PROPOSED START DATE</th>
<th>PROPOSED END DATE</th>
<th>AGENCY NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation Military Kids</td>
<td>Service</td>
<td>Supplement</td>
<td>8/22/2014</td>
<td>$35,000</td>
<td>8/21/2014</td>
<td>9/30/2014</td>
<td>Dept of the Army</td>
</tr>
<tr>
<td>4H Life DC</td>
<td>Service</td>
<td>New</td>
<td>5/19/2014</td>
<td>$37,322</td>
<td>5/1/2014</td>
<td>9/30/2014</td>
<td>DC DOJ</td>
</tr>
<tr>
<td>Senior Companion Program of Washington, DC</td>
<td>Service</td>
<td>Continuing</td>
<td>9/10/2014</td>
<td>$225,997</td>
<td>9/30/2014</td>
<td>6/30/2015</td>
<td>Corporation for National and Community Service</td>
</tr>
<tr>
<td>Respite Aid/Bodywise &amp; In-Home Helpers/Food Handlers</td>
<td>Service</td>
<td>Renewal</td>
<td>9/13/2014</td>
<td>$150,000</td>
<td>10/1/2014</td>
<td>9/30/2015</td>
<td>DC Office of Aging</td>
</tr>
<tr>
<td>Specialty Crop Block Grant Program</td>
<td>Research</td>
<td>New</td>
<td>9/23/2014</td>
<td>$221,328</td>
<td>9/30/2014</td>
<td>9/29/2016</td>
<td>USDA</td>
</tr>
<tr>
<td>NESARE Outreach Program</td>
<td>Service</td>
<td>Renewal</td>
<td>10/30/2013</td>
<td>$15,000</td>
<td>10/1/2013</td>
<td>10/31/2014</td>
<td>University of Vermont</td>
</tr>
<tr>
<td>Share our Strength’s Cooking Matters at the Store Grant</td>
<td>Service</td>
<td>New</td>
<td>3/28/2014</td>
<td>$2,500</td>
<td>4/1/2014</td>
<td>8/31/2014</td>
<td>Share our Strength</td>
</tr>
<tr>
<td>Expanded Food and Nutrition Education Program</td>
<td>Service</td>
<td>Continuing</td>
<td>10/2/2014</td>
<td>110,505.00</td>
<td>10/1/2013</td>
<td>9/30/2014</td>
<td>USDA - NIFA</td>
</tr>
<tr>
<td>Property Acquisition and Disposition Division (PADD)</td>
<td>Service</td>
<td>Renewal</td>
<td>10/3/2014</td>
<td>$576,846</td>
<td>10/1/2013</td>
<td>9/30/2014</td>
<td>DC Dpt. Of Housing and Community Development</td>
</tr>
</tbody>
</table>

6
<table>
<thead>
<tr>
<th>PROJECT TITLE</th>
<th>PROJECT TYPE</th>
<th>NEW/RENEWAL/ CNTNG</th>
<th>AWARD DATE</th>
<th>TOTAL AWARD AMOUNT</th>
<th>PROPOSED START DATE</th>
<th>PROPOSED END DATE</th>
<th>AGENCY NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program (SFRRAP)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Community Development</td>
</tr>
</tbody>
</table>
Appendix B: 2010 - 2014 CAUSES Achievements

Publications, Presentations and other Professional Activities

Books:


Articles & Book Chapters:


Patents and Copyrights³:
Anderson, G. Regional Addition Prevention Community Residential Facility – 2012-present (under construction) – 1959 4th Street, NW.


Anderson, G. Esencias Panamenas Restaurant - 3322 Georgia Ave., NW.

Anderson, G. New Orleans Po Boy Restaurant – 1205 19th Street, NW.


Anderson, G. 613 Gresham Street, NW 2014 – present (under construction).

Dixon, K. African American Museum and Cultural Center, Project Manager/Architect for $24M, 75,000 square foot regional cultural center in Prince George's County.

Dixon, K. Prince George’s County Fire/EMS Stations, Architect for three new 14,000 square foot fire rescue facilities for the County: St. Joseph's, Bowie, & Brandywine, MD.

Dixon, K. Prince George’s County Police Station, Architect for $8 million district station rescue facilities for the County.

Dixon, K. Prince George's Community College Renovations, Project Manager/Architect for $600K renovations of Queen Anne Hall and Marlboro.

³ Architectural building plans are considered intellectual property and thus copyrighted.

Kliman, S. Downtown Campus CO & RV Building Improvements. Pima Community College. 13,000 s.f. renovation to campus operations facilities and reconfiguration of existing administrative/operations spaces to create new classrooms.

Kliman, S. New Life Community Church Expansion. Tucson, Arizona. New Main Entry, with porch and ADA compliant restrooms.

Kliman, S. Tri-Pointe Plaza Office Complex. Tucson, Arizona. Provide on-call architectural services for property manager of 140,000 s.f. office complex. Completed over two dozen projects for client ranging from 800 s.f. to 10,000 s.f. Prepare marketing plans, space planning, construction documents for tenant improvements and design drawings for property upgrades. Contract ran from 2008-2012.

Kliman, S. San Xavier Experimental Mine Classroom Building/Training Center. University of Arizona. 4,200 s.f. classroom building and training facility for the College of Engineering and Mines, located 20 miles south of campus at University Experimental Mining Facility.


Kliman, S. Brown Residence. Sierra Vista, Arizona. 3,000 s.f. single family residence.

Kliman, S. Student Union Memorial Center, Starbucks and Nike Pavilion. University of Arizona. Student Union Memorial Center. 1,300 s.f. Starbucks Café within the existing bookstore, and 600 s.f. addition to the south side of the bookstore.


Pearson, C. Renovation addition, Third Street Baptist Church.

Pearson, C. Condo conversion, 1602 13th Street NW.

Pearson, C. Renovation, 1438 Montague Street NW.

Pearson, C. Condo conversion, 1440 Newton Street NW.

Pearson, C. Renovation and addition, 615 Underwood Street NW.

Consultancies:
Axum, M. Consultant, Agroecology Systems Int (ASI), LLC.


O’Hara, S.U. International Advisory Board Member, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia. 2010 – present.

**Invited Lectures and Presentations**


Hu, X. (2014). *Association for Public Policy Analysis and Management (APPAM) Annual Fall Research Conference* in Albuquerque, NM. Immigration and Economic Growth in Metropolitan Areas at APPAM.


O’Hara, S.U. (2010). Strategies to Internationalize your Campus: Working with Faculty and Deans; 

Address. _International Society for Ecological Economics Bi-Annual Conference._ Oldenburg, Germany.

Session chair and presenter. _Association of International Education Administrators (AIEA)._ Washington, 
DC.

Germany.


_Smart and Sustainable Campuses Conference._ Bethesda, MD.


Tefera, S. & Tolessa, D., (2014). Rapid Screening and Quantitation of a Pesticides and Pharmaceuticals in 
Water and Food Products Using AxION DSA/TOF and Flexar SQ MS. _NCR-AWRA 2014 National Annual 
Conference_, Washington, DC 20008, April 4.

in Water Samples Using TOC-Vch and TNM-L Detectors, _NCR-AWRA 2014 National Annual Conference_, 
Washington, DC 20008, April 4.


**Workshops, Webinars and Poster Sessions**

and Speech-Language Home Care Simulations. Poster Presentation. _National League for Nursing 
Education Summit 2013._ Washington, DC.

High School Graduation of Pregnant and Parenting Teens in the District of Columbia. Poster 
Presentation. _2012 Science of Eliminating Health Disparities Summit (NIH/NIMHD)._ National Harbor, 
MD.

knowledge of peripheral arterial disease and the ankle-brachial index: Considerations for health 
disparity reduction in Washington, DC. Poster Presentation. _2012 Science of Eliminating Health 
Disparities Summit (NIH/NIMHD)._ National Harbor, MD.


**Other Professional Activities & Service**


Deksissa, T. Peer Reviewer, *Urban Water Journal*.

Deksissa, T. Peer Reviewer, *Journal of Hydrology*.

Deksissa, T. Peer Reviewer, *International Journal for the Scholarship of Teaching and Learning*.

Deksissa, T. Peer Reviewer, *Journal of Environmental Studies and Sciences*.


Jones, D. (2014). GO DUTCH. GO DUTCH Consortium (Spring 2014): Facilitated a knowledge exchange between the GO DUTCH consortium and CAUSES.


