

without social and economic justice. We plan to add a Wangari Maathai Award in AY 2016-2016 to a recipient whose work is in keeping with Maathai's commitment to women, girls, and underrepresented populations.

## **ATTACHMENTS** (excluded from the 15-page limit)

### **ATTACHMENT I – Accomplishments in This Reporting Year**

#### 1. Externally Funded Grants/Contracts

This series is funded by the Dutch government. The current grant for the latest book was funded in the amount of approximately \$30,000.

#### Education and Sustainable Development book series at Wageningen Academic Publishers

This ongoing book series to celebrate the United Nations Decade of Education for Sustainable Development 2005-2014 has been published by Wageningen Academic Publishers, The Netherlands. The first volume in this book series is entitled *Social Learning: Toward a Sustainable World* (2007), edited by Arjen E.J. Wals. The second volume is entitled *Young People, Education, and Sustainable Development: Exploring Principles, Perspectives, and Praxis*, edited by Peter Blaze Corcoran and Philip M. Osano (2009). The third volume, entitled *Learning for Sustainability in Times of Accelerating Change*, was published in June 2012 and edited by Peter Blaze Corcoran and Arjen Wals. The fourth volume in the series was edited at the Center on the topic of *Intergenerational Learning and Transformative Leadership for Sustainable Futures*. Peter Blaze Corcoran and Brandon Hollingshead were editors and Arjen Wals and Heila Lotz-Sisitka were contributing editors. The Ministry of the Dutch National Program for Education for Sustainable Development invited the Center to submit a proposal for a fifth book in the series *Envisioning the Future of Environmental and Sustainability Education*. The Center is editing this book now under the leadership of Peter Blaze Corcoran and Joe Weakland as co-editors with Brandon Hollingshead as a contributing editor.

#### 2. Peer-Reviewed Journal Publications, Books, and Book Chapters

Corcoran, P. B., J. P. Weakland, and A. E. J. Wals. *Envisioning Futures for Environmental and Sustainability Education*.

Peter Blaze Corcoran, Joseph Weakland, and Arjen E.J. Wals are editing the book *Envisioning Futures for Environmental and Sustainability Education* at Wageningen Academic Publishers. The Dutch Government has offered to fund another book with Wageningen Academic Publishing in the United Nations series on the Decade of Education for Sustainable Development. This edited collection invites educational practitioners and theorists to speculate on - and craft visions for - the future of environmental and sustainability education. We wish to explore what educational methods and practices might exist on the horizon, waiting for discovery and implementation. How might the collective project of imagining alternative futures help us rethink environmental and sustainability education institutionally, intellectually and pedagogically? How might we use emerging modes of critical speculation as a means to map and (re)design the future of environmental and sustainability education today? "

Corcoran, P. B. and D. Orr. *Educational Challenges in a Warming World* (tentative title).

This collaboration with David Orr will focus on three sets of questions. First, how will teachers and students maintain their morale and spirit under conditions of climate stresses? There has been little research on the emotional and psychological effects of long-term climate change, but the bond between humans and nature will be severely stressed for centuries ahead. Second, what will students need to know under the changes driven by climate destabilization? What are the curricular changes in schooling and pedagogy appropriate to the post-fossil fuel world? Does education for the industrial and technological world work in the Anthropocene? If not, what analytical and practical skills are appropriate? Third, if genuine hope is, indeed, on a farther horizon, what is the essence of the vision for that distant, and happier, future? What is the core vision for an end to the war humans have waged on natural systems for thousands of years? How is that vision embodied in curriculum and educational methods? How might it be maintained over centuries ahead?

Corcoran and Orr continue to plan this project in 2016. Recent thinking includes that this will be a short book written for a popular audience it will most likely be in three parts dealing with assumptions about education, the kinds of persons we want education to produce, and examples of the best educational programs.

Corcoran, P. B., J. P. Weakland, and B. P. Hollingshead. "The Role of University Centers in Environmental and Sustainability Education in Envisioning Futures." In *Handbook of Theory and Practice of Sustainable Development*, Ed. Walter Leal Filho. Springer, Forthcoming September 2016.

Fogg A., V. Gadhamshetty, D. Franco, J. Wilder, S. Agapi, and S. Komisar. 2015. "Can a microbial fuel cell resist the oxidation of Tomato pomace?" *Journal of Power Sources* 279: 781-790.

Hollingshead, B. P. "Imagining intergenerational learning and intergenerational ethics for the future." In *Envisioning Futures for Environmental and Sustainability Education*, Eds. Peter Blaze Corcoran, Arjen E.J. Wals, and Joseph P. Weakland. Wageningen Academic Publishers, in development. (Accepted, under final editorial review.)

Pickett, M.T., B. Whitmore, S. Komisar, and T. Falk. 2015. "The Anaerobic Degradation of Cadaver Waste using an Attached Growth Recycle System". *Journal of Hazardous, Toxic, and Radioactive Waste* 20: 04015022.

Purdy, M. W., M. F. L. Roca, R. D. Halley, B. Holmes, and C. S. Christy. 2016. "Listening is...five personal worlds of listening: an auto-ethnographic approach". *International Journal of Listening* 00: 1-18.

Wohlpert, S., K. De Welde, and B. Marino. 2016. "Cultivating Agency and Hope through Food and Ecology Sustainability Education." In *Envisioning Futures for Environmental and Sustainability Education*, Eds. Arjen E.J. Wals and Peter B. Corcoran. Wageningen Academic Publishers, in development. (Accepted, under final editorial review).

### 3. Conference Papers/Presentations and Other Publications

- Bondehagen, D., S. Komisar, and R. O'Neill. 2016. "Assessing Achievement of Sustainability Skills in the Environmental and Civil Engineering Curriculum". American Society for Engineering Education conference. New Orleans, LA. June 2016.
- Corcoran, P. B. 2015. Invited participant Eye on Earth Summit 2015: "Informed Decision-making for Sustainable Development". Abu Dhabi, United Arab Emirates. 6-8 October 2015.
- Corcoran, P. B. 2015. "Intergenerational Learning and Transformative Leadership for Sustainable Futures." World Environmental Education Congress 8, Gothenburg, Sweden. June 2015.
- Corcoran, P.B. 2015. Keynote Address. "The Earth Charter at 15: An Idea Whose Time Has Come." Earth Charter + 15 Conference, Saltillo, Mexico. April 2015.
- Corcoran, P. B. 2015. "Environmental Education in Times of Climate Change: Perspectives from Wangari Maathai's Africa". The University of the South Pacific, Suva, Fiji. March 2015.
- De Welde, K. 2017. Invited Presidential Plenary: Disrupting the Culture of Silence: Institutional Betrayal in the Context of Academia (conference theme). Pacific Sociological Association annual meeting. Portland, OR. (Forthcoming)
- De Welde, K and A. Stepnick. 2016. "Disrupting the Culture of Silence: Confronting Gender Inequality in Sociology Departments." Invited workshop for the American Sociological Association Departmental Management and Leadership Workshop. Seattle, WA.
- De Welde, K. 2016. Invited lecture: "The Equity and Inclusion Imperative: Moving the Needle at UNI." Public lecture for the University of Northern Iowa.
- De Welde, K. 2016. Invited keynote address: "Yes We Can!: Overcoming Biases in Academe." For the annual Women in Academia Conference, Stockton University, Galloway, NJ.
- De Welde, K. 2015. Invited lecture: "Advancing Institutional Equity and Diversity." For New College of Florida's *Campus Conversations* series.
- Leone, K. 2016. "A Sustainable Future through Curricular Innovation". Smart and Sustainable Campuses Conference, Baltimore, MD.
- Leone, K, M. Whitney, K. Gilford, and J. Williams. 2015. "Thinking Outside the Box: Evidence-based Data Collection for Sustainability Reporting". Breakout session. The Association for the Advancement of Sustainability in Higher Education (AASHE), Minneapolis, MN.
- Otto, E. 2015. "Jeff Lemire's *Trillium* and the generative future of the third". Science Fiction Research Association Annual Conference. Stony Brook, NY. June 2015.
- Rhea, J., B. P. Hollingshead, and E. Otto. 2015. "Creating and developing a collective-impact model program that works for you institution and your community". Florida Campus Compact 2015 Annual Conference, Forward Together: Strengthening Florida's Higher Education Engagement Network, Boca Raton, FL. November 2015.

- Rhea, J., Z. Holder, B. P. Hollingshead, L. Morimanno (student), and K. O'Connor. 2015. "The 'Leadership Through Service' Living-Learning Community: A successful partnership between Student Affairs and Academic Affairs at Florida Gulf Coast University". Florida Campus Compact 2015 Annual Conference, Forward Together: Strengthening Florida's Higher Education Engagement Network. Boca Raton, FL. November 2015.
- Roca, M. 2016. "Inspiring civic-minded leadership: redesigning living-learning communities". International Conference on the First Year Experience, Orlando, FL. February 2016.
- Roca, M. and M. Gayoso. 2015. "Sin, sloth, and "sigh-berespace": the impact of technology on the soul". Media Ecology Association Annual Convention, Denver, CO. June 2015.
- Roca, M. 2015. "Kaleidoscope of media impacts on listening in the college environment: the lens of the kaleidoscope". Media Ecology Association Annual Convention, Denver, CO. Panel included 3 additional research papers presented by FGCU students who were funded by FGCU. June 2015.
- Roca, M. and B. Hollingshead. 2015. "Engaged ethics and Earth Charter curriculum in higher education: creating spaces for the practice of sustainability values". International Conference on Communication and Environment, Boulder, CO. June 2015.
- Walch, M. 2015. "Ecological Communications: Bridging Media Ecology and Environmental Communication". Conference on Communication and Environment, Boulder, CO. June 2015.
- Walch, M. 2015. "Reclaiming a Sense of Place: Media Ecology and Environmental Communication". 16<sup>th</sup> Annual Convention of the Media Ecology Association, Denver, CO. June 2015.
- Walch, M. 2015. Invited Keynote Speaker. "Earth Charter +15: One Earth Community, One Common Destiny". Florida Coalition for Peace and Justice, Gainesville, FL. June 2015.
- Weakland, J. P., P.B. Corcoran, and B. P. Hollingshead. 2016. "The role of university centers in environment and sustainability education in envisioning futures". Abstract accept for the 3<sup>rd</sup> World Symposium on Sustainable Development at Universities (WSSD-U-2016). Massachusetts Institute of Technology (MIT), Cambridge, MA.

#### 4. Student Publications

- Goldberg, E. 2015. "Developing the Collective Fantasy of Environmental Inclusion through Colloquium". Conference on Communication and Environment, Boulder, CO. June 2015.
- Goodacre, M. and E. Mead. 2015. "Bioremediation of Phenol Waste Using Activated Sludge in a Hybrid-Batch Reactor". 1<sup>st</sup> place at the 2015 Florida Water Environmental Association Student Design Competition (FL State Competition). Advisors: Dr. Kim and Dr. Komisar.

Goodacre, M. and E. Mead. 2015. "Bioremediation of Phenol Waste Using Activated Sludge in a Hybrid-Batch Reactor". 2<sup>nd</sup> place at 2015 National Water Environmental Association ("WEFTEC") Student Design Competition (National Competition). Advisors: Dr. Kim and Dr. Komisar.

Rhea, J., Z. Holder, B. P. Hollingshead, L. Morimanno (student), and K. O'Connor. 2015. "The 'Leadership Through Service' Living-Learning Community: A successful partnership between Student Affairs and Academic Affairs at Florida Gulf Coast University". Florida Campus Compact 2015 Annual Conference, Forward Together: Strengthening Florida's Higher Education Engagement Network. Boca Raton, FL. November 2015.

Roca, M. and M. Gayoso (student). 2015. "Sin, sloth, and 'sigh-berespace': the impact of technology on the soul". Media Ecology Association Annual Convention, Denver, CO. June 2015.

Wohlpert, S., K. De Welde, and B. Marino (student). 2016. "Cultivating Agency and Hope through Food and Ecology Sustainability Education." In *Envisioning Futures for Environmental and Sustainability Education*, Eds. Arjen E.J. Wals and Peter B. Corcoran. Wageningen Academic Publishers, in development. (Accepted, under final editorial review).

## 5. Professional Services

### 5.A. Book Series

Corcoran, P. B. Education for Sustainability book series at Springer Singapore

Corcoran has been invited to co-edit a series for Springer in Singapore, Asia's largest academic publisher. The series has a broad focus on "Education for Sustainability" and will cover public education, higher education, non-formal education, and include scholars from a broad range of research areas and regions of the world. The proposal was recently formally accepted by the Board in Social Sciences at Springer. Corcoran has organized an International Advisory Board and is coordinating invitations to potential editors in the series.

### 5.B. Policy Papers

Corcoran, P.B. Environmental and sustainability policy papers:

Recent and ongoing projects include a strategic review of the Global Universities Partnership on Environment and Sustainability (GUPES). This was a detailed survey review, document and SWOT analysis, and interview and questionnaire methodology conducted over several months. The review was presented to the GUPES Steering Committee at its annual meeting. I co-authored a policy brief entitled "Integrating Education and Training into the Sustainable Development Goals" with Professor Heila Lotz-Sisitka of Rhodes University. We also are completing a major paper on "Environmental Education 2030: Trends, Challenges, and Opportunities". This paper will be completed for the fortieth anniversary of the United Nations involvement in environmental education at Tbilisi +40 in 2017.

### 5.C. Editorial Boards

Corcoran, P.B. African Journal of Environmental Education, Ethics and Action, Grahamstown, South Africa, Journal of the Southern African Environmental Education Association, Editorial Board Member.

Corcoran, P. B. Journal of Education for Sustainable Development, Ahmadabad, India, Editorial Board Member.

Corcoran, P. B. International Journal of Sustainability in Higher Education, Hamburg, Germany, Editorial Board Member.

### 5.D. Scholarly Advisory Committees

Corcoran, P. B. Elected member of the Steering Committee representing North America, Global University Partnership for Environment and Sustainability (GUPES), UNEP, Nairobi, Kenya.

Corcoran, P. B. University Leaders for a Sustainable Future Working Group on education for the UN Sustainable Development Goals.

Corcoran, P. B. National Advisory Board. Earth Ethics Institute, Miami Dade College, Miami, Florida, Member.

Corcoran, P. B. Earth Charter Education Advisory Committee, San José, Costa Rica, Member.

Corcoran, P. B. Commission on Education and Communication, IUCN (World Conservation Union), Gland, Switzerland, Member.

Corcoran, P. B. Forum on Religion and Ecology, Dialogue Partner in Education, Yale University.

Corcoran, P. B. North American Commission on Environmental Education Research of the North American Association for Environmental Education, Member.

Corcoran, P. B. Nominated by United Nations Undersecretary-General Achim Steiner to serve as a member of the United Nations University Council, Tokyo, Japan. 2016.

Corcoran, P. B. Invited research residency. Environmental Learning Research Centre. Rhodes University, Grahamstown, South Africa. 10-17 May 2015.

Roca, M. GreenFaith Fellow, Working with GreenFaith on the creation of a Global Spiritual Associates Program (project started in Spring 2016).

## 5.E. Peer-review

De Welde, K. Panel Reviewer, National Science Foundation

Otto, E. Peer reviewer for environmental scholarship submitted to the following: Rhodes University (Master's thesis); Liverpool University Press (book manuscript); *Interdisciplinary Studies in Literature and Environment* (article manuscript); *Ecozon@: European Journal of Literature, Culture and Environment* (article manuscript); *Studies in the Novel* (article manuscript).

Otto, E. Invited review for the environmental fiction book *Knocking on Heaven's Door* (Sharman Apt Russell, Yucca Publishing).

## 5.F. Florida Gulf Coast University Professional Services

De Welde, K. Council member, University Colloquium Advisory Council

De Welde, K. Member, FGCU Diversity and Inclusion Committee

De Welde, K. Assessment co-coordinator, Center for Environmental and Sustainability Education

Hollingshead, B. P. Member, General Education Program Competency Assessment Advisory Team, Spring 2014-present: crafted new General Education competencies and assessment plan; facilitated assessment of the General Education Program

Hollingshead, B. P. Member, The University Colloquium: A Sustainable Future reaffirmation team, Fall 2015 to present.

Hollingshead, B. P. Leadership Team and Senior Faculty Associate, Center for Environmental and Sustainability Education, 2010-present; Interim Director AY 2014-2015.

Hollingshead, B. P. Faculty member, Leadership Through Service Live-Learn Community, 2012-present

Hollingshead, B. P. Member, One Book/One Campus committee, 2012-present

Hollingshead, B. P. Invited presenter and facilitator for new faculty training for The University Colloquium: A Sustainable Future, 2012-present

Hollingshead, B. P. Invited presenter on several pedagogy topics at Lucas Center for Faculty Development, 2013-present

Hollingshead, B. P. Judge, FGCU Community Engagement Day, Office of Service-Learning and Civic Engagement, 2012-present

Hollingshead, B. P. Judge, FGCU Research Day, 2015-present

Komisar, S. "The Komisar Report" (*ENERGY EFFICIENCY Efforts and Plans: a component of Environmental Sustainability at FCGU*) submitted by the Environmental Sustainability Committee to the Planning and Budget Council.

Otto, E. Committee member, University Colloquium Reaffirmation Team

Otto, E. Assessment co-coordinator, Center for Environmental and Sustainability Education

Otto, E. Co-planner, Integrating Sustainability Across the Curriculum workshop

#### 5.G. Miscellaneous

De Welde, K. Co-planner, Integrating Sustainability Across the Curriculum Academy

De Welde, K. Faculty Advisor, Gender Equality Organization

De Welde, K. Steering Committee Co-chair, Sustainability Chautauqua

De Welde, K. Panel Organizer: Feminist Leadership: Individual Strategies and Structural Change. With Julie Wiest. Southern Sociological Society Annual Meeting. Atlanta, GA.

De Welde, K. Panel Organizer/ Moderator: Racial Justice Activism on Campus: A Facilitated Dialogue with Joan Hermsen. Sociologists for Women in Society Annual Meeting. Memphis, TN.

De Welde, K. Webinar: (participant) *Course Redesign Strategies*, (Sustainability Curriculum Consortium – AASHE) July 19, 2016

De Welde, K. Webinar: (participant) *Sustainability at the Heart of Learning: Aligning sustainability with institutional, departmental, and classroom values for better student outcomes* (Sustainability Curriculum Consortium –AASHE) July 12, 2016

Lyons, Krystal. (Student Assistant). Excellence in Civic Engagement Award 2016.

Otto, E. Interviewee, "'Dune,' climate fiction pioneer: The ecological lessons of Frank Herbert's sci-fi masterpiece were ahead of its time" (Michael Berry, Salon.com).

Walch, M. 2015. Climate Reality Leadership Corps Training. Miami, FL.

Walch, M. 2015. Mentor. Earth Charter International. Mentored members of the Florida Coalition for Peace and Justice as they worked towards becoming Earth Charter Affiliates.