

Erin (Frisk) Redman

Erin.Redman@asu.edu

I. ACADEMIC EXPERTISE

Educating for sustainability through experiential & real-world pedagogies; behavior modification through education; linking sustainability competencies to education pedagogy

II. EDUCATION

PhD Sustainability, Arizona State University (ASU), Arizona, 2013

Dissertation Title: *Developing, Implementing, and Evaluating Sustainability Education through the Integration of Behavioral Science into Pedagogy and Practice*

MS Sustainable Systems, Slippery Rock University (SRU), Pennsylvania, 2007

Thesis Title: *Educating for Sustainability through Nature Play at McKeever Environmental Learning Center.*

BS Biology, Northland College, Wisconsin, 2005

III. WORK EXPERIENCE

2014-Current *Program Manager*, Walton Sustainability Solutions Initiatives, National Sustainability Teachers' Academy, Arizona State University (ASU). Primary Duties: Develop, implement, and evaluate professional development workshops for K-12 teachers.

2013-Jan. 2015 *Full-time Professor (tenure eligible)*, Sustainability Department, Universidad Nacional Autónoma de México (UNAM), León, Guanajuato, México. Primary Duties: Writing the proposal for a new undergraduate program in sustainability, writing grants, researching, publishing & teaching. Courses: *Culture, Society and the Environment, Socio-Ecological Systems, Economics & the Environment*

2011-2012 *Research Analyst*, Biodesign Institute (ASU), Center for Sustainable Health, Hartwell Sustainability Education Team. Primary Duties: Co-developed course called 'Sustainability Science for Teachers.'

2012 *Research Assistant*, School of Sustainability (ASU). National Science Foundation Long-Term Ecological Research (LTER), Grant Title: Research Assistants for High School Students RAHSS). Primary Duties: Developed/implemented after-school research experiences for high school students.

2011 *Teaching Assistant*, School of Sustainability (ASU). Course: 'Society and Sustainability' (SOS 320).

2009-2011 *Graduate STEM Fellow in K-12 Education (GK-12 Fellowship)*. National Science Foundation, Sustainability Science for Sustainable Schools project (ASU). Primary Duties: Collaboratively developed & implement sustainability education programs in local high schools.

2008-2009 *Research Assistant*, Global Institute of Sustainability (ASU). National Science Foundation, Long Term Ecological Research, *Ecology Explorers* education outreach. Primary Duties: Developed & implemented sustainability education programs with youth, K-12 teachers, students, and the community.

2006-2008 *Instructor*, Lake Superior Pathfinders (Northland College), partnership with University of Wisconsin extension. Primary Duties: Collaboratively develop & implement experiential programming for a residential, sustainability summer program for middle & high school students.

2007 *Graduate Assistant*, Slippery Rock University, Pennsylvania Center for Environmental Education. Primary Duties: Develop on-line education materials that can be used by educators.

IV. GRANTS & AWARDS

Wells Fargo Grant for Regional Sustainability Teachers' Academy, 2015. Amount Awarded over 3 years: \$500,000. Principle Investigator: E. Redman

UNAM Research Grant: Programa de Apoyo a Proyectos de Investigación e Innovación Tecnológica (PAPIIT), 2013. Title: Entender las motivaciones para las conductas de los residentes de León, Guanajuato, México en el manejo de sus residuos para poder impulsar conductas más sostenibles. <http://dgapa.unam.mx/html/papiit/papit.html>

President's Award for Sustainability, ASU, 2013. For significant contributions to the Sustainability Science for Sustainable Schools Project (an education-outreach program).

The Graduate College Dissertation Fellowship Award (awarded to 1 student per department), ASU, 2012-2013.

The Neely Foundation Food and Agriculture Sustainability Research Grant, ASU, 2011. Title: Educating Youth on Food Systems Sustainability. Principle Investigator: E. Redman

Innovation Challenges Grant, ASU, 2011. Title: Producing Fruit and Vegetable (FAV) Bags through Women-Run Cooperatives in Rural El Salvador. Principle Investigators: E. Redman, A. Redman and C. Forrester.

GPSA Jumpstart Grant, ASU, 2010. Title: Empowering Women and Protecting the Planet through the development of Women-run Cooperatives in Rural El Salvador. Principle Investigators: E. Redman, A. Redman and C. Forrester.

V. CONFERENCES & SYMPOSIUMS

- 2014 *Foro: Equidad de Género*, León, Guanajuato, México. Presentation Title: Lecciones para la equidad de género de un proyecto de producción descentralizado en El Salvador, February 7.
- 2013 *Summer Institute on Sustainability and Energy (SISW)*, University of Illinois at Chicago (UIC), Co-author on presentation titled: Fostering Behavior Changes for Sustainability. UIC campus, Chicago, August 5-16.
- 2012 *Annual Green Schools National Conference*. Presentation Title: Educating for Sustainability: Competencies & Practices for Transformative Action. Denver, Colorado, February 27th, 29th.
- 2011 *Central Arizona—Phoenix Long Term Ecological Research*, All-Scientists Poster Symposium on Urban Sustainability. Title: Developing and Implementing Sustainability Education through the Integration of Behavioral Scientists. Tempe, ASU, January 12th and 13th. Link to poster: http://caplter.asu.edu/docs/symposia/symp2011/Frisk_Larson.pdf
- 2011 *Arizona Department of Education: Arizona Career and Technical Education*. Conference Title: Meeting the Challenge! Shaping the Future! Presentation Title: Interdisciplinary Sustainability Activities. Tucson, Arizona, July 16-20th.
- 2011 *Council of Educational Facility Planners International (CEFPI)*, Conference Title: Moving Sustainability Forward. Presentation Title: The ASU GK-12 Sustainability Science for Sustainable Schools Project: Linking Curriculum and Learning to Facilities as Learning Tools. Phoenix, AZ, March 11th, and 12th.
- 2011 *ASU, Department of Education*. STEM-Net Teacher Training. Presentation Title: Integrating Sustainability into the classroom. Tempe ASU Campus, January 27th.
- 2010 *Association for Childhood Education International (ACEI)*. Presentation Title: Connecting Preschoolers to Nature: Using Community Collaboration to Strengthen Sustainability Awareness. Phoenix, AZ, April 28th
- 2010 *National Science Foundation*. Annual Conference Graduate STEM Fellows in K-12 Education (GK-12) Projects. Poster Title: *Sustainability Science for Sustainable Schools*. Washington D.C., March 26-28

VI. PUBLICATIONS

Peer-Reviewed:

Published:

Larson, K. & Redman, E. (2014). Water Education for Sustainability: A Critique and Recommendations. *Society & Natural Resources*, Vol. 27, Issue 11, 2014.

Redman, E. & Redman A. (2014). Transforming sustainable food and waste behaviors by realigning domains of knowledge in our education system. *Journal of Cleaner Production*, Vol. 64, Issue 1, Pgs. 147-157. DOI: <http://dx.doi.org/10.1016/j.jclepro.2013.09.016>

Redman, E. (2013). Opportunities & Challenges for Integrating Sustainability Education into K-12 Classrooms. *Journal of Teacher Education for Sustainability*, Vol. 15, No. 2, Pgs. 5-24. DOI: 10.2478/jtes-2013-0008
<http://www.degruyter.com/view/j/jtes.2013.15.issue-2/jtes-2013-0008/jtes-2013-0008.xml>

Redman, E. (2013). Advancing Educational Pedagogy for Sustainability: Developing and Implementing Programs to Transform Behaviors. *International Journal of Environmental and Science Education*, Vol. 8, Issue 1, p. 1-34.
http://www.ijese.com/IJESE_v8n1_Erin_Redman.pdf

Frisk, E. & Larson, K. (2011). Educating for sustainability: Competencies and practices for transformative action. *Journal for Sustainability Education*. Vol. 2
http://www.journalofsustainabilityeducation.org/wordpress/content/educating-for-sustainability-competencies-practices-for-transformative-action_2011_03/

Non Peer-Reviewed:

Archambault, L., Hartwell, L., Frisk, E., & Hale, A. (2012, March). Developing Sustainability Literacy among Preservice Teachers Through Web-based Learning. In Society for Information Technology & Teacher Education International Conference (Vol. 2012, No. 1, pp. 83-87).

Elser, M., Pollari, L., Frisk., & Wood, M. (2011). Linking Curriculum and Learning to Facilities: Arizona State University's GK-12 Sustainable Schools Program. *Educational Facility Planner*, Vol 45, Issue 3.
<http://media.cefpj.org/efp/EFP45-3Elser.pdf>

VII. VOLUNTEER ACTIVITIES

Maricopa County Animal Care & Control. Volunteer adoption counselor & foster parent for dogs at risk of euthanasia, 2011-2013.

Ohana Animal Rescue. Foster parent for dogs rescued off of the euthanasia list at local pounds, 2011-2012.

San Pedro Nuanualco Scholarship Fund. Volunteer Fundraising for Project Salvador (Scholarships for lower-income students in rural El Salvador), 2008-2013.

Sustain Our World Enterprise. Co-Founder & Co-Director. FAVE Bag project focused on establishing women-run cooperatives in rural El Salvador to make reusable produce bags, 2008-2014. For more information on this project see: <http://www.statepress.com/2011/01/17/innovation-challenge-fuels-students-dreams/> & <http://researchmatters.asu.edu/stories/salvadoran-bags-fave-phoenix-1767>

VIII. REFERENCES

Dr. Kelli Larson, Associate Professor, School of Geographical Sciences and Urban Planning; School of Sustainability, Arizona State University. Contact Information: Kelli.Larson@asu.edu, (480)727-3603

Dr. Katherine Spielmann, Professor, School of Human Evolution and Social Change, College of Liberal Arts and Sciences; Associate Director, School of Sustainability, Arizona State University. Contact Information: KATE.SPIELMANN@asu.edu, (480)965-7212

Monica Elser, Education Manager, Global Institute of Sustainability, Arizona State University. Contact Information: MMELSER@asu.edu, (480)965-6046