GREEN ACTION FUND PROPOSAL
LOCAL FASHION, GLOBAL IMPACT

2019
THE STORY

The Local Fashion, Global Impact (LFGI) Project began in January 2018 when the Apparel & Textiles (AT) Study Abroad Tour visited Guatemala. On this trip, we met the women of the Choa Cruz weaving cooperative (cover photo). Women in this community live on approximately $0.76 - $1.25 a day.

Purchasing fabric for one project in one Apparel Design and Production specialization course increases the monthly earning of a weaver in this community by 13% and allows them to buy a chicken for eggs and meat.

The organic cotton is locally grown in the Lake Atitlan region and is more environmentally and cost-conscious than fabric available to students locally in Manhattan, Kansas.

In the Fall of 2018 students (pictured below) from the AT300: Apparel Production course used this fabric to construct their first sewing project. With the leadership of Dr. Sherry Haar, the students were introduced to natural dye techniques and used leaves from the K-State tree walk to design prints on their garments. The garments were displayed at Connected Fair Trade in downtown Manhattan and were a part of a panel discussion, held during women’s entrepreneurship week. The panel consisted of local female entrepreneurs who contributed to the project and celebrated women and sustainability in Kansas.

This proposal seeks to continue this story.
PROJECT DESCRIPTION

Part 1: The Scholarship of Teaching and Learning

The heart of the LFGI project is an experiential learning endeavor. The project embeds a sustainable AT supply chain into a classroom setting. Students complete their first garments as an Apparel Design and Production (ADP) student in the most sustainable of fashions. Students become familiar with the weavers of their fabrics, forage for local foliage to create prints, natural dye their cloth, and then learn - along with the greater community - how their environmental, social, and economically sustainable processes exist within the larger apparel and textile industry.

Part 2: Sustainable Education in the K-State Community

This project is dependent on many women including weavers, importers, retailers, faculty, and students. In 2018 it was serendipitous that the AT Department was invited to participate in global women's entrepreneurship week (WEW), and in response created the first LFGI event. It was the first time K-State joined in on WEW and held an activity alongside Kansas University and Washburn State University.

The accumulation of LFGI in 2019 will be the 2nd annual WEW event held at K-State. This event seeks to educate the public, through the screening of a sustainable fashion film, and empower the public by creating a dialogue - lead by a panel of sustainable fashion experts - who can offer instruction on decreasing ecological impact as it relates to the fashion industry. The garments produced by the students will be on display and will be used as point of discussion and as an example of a sustainable supply chain.

Part 3: Sustaining a Sustainable Project

The goal of this proposal is to acquire enough funds for the second (and potentially third) iteration of this project to be completed without financial support from faculty or students. These funds will allow for the outcomes of this project (garments) to be produced and sold without liability. The funds from the sale of garments will be dedicated to continuing this project and potentially other sustainable project work in the future. Further information on the sustainable funding mechanism is explained under sections titled, Request for Funding and Budget Allocation.

PROJECT LEADERSHIP

Student Leadership

Emily Pascoe is a graduate student in the ATID Department. She is the project coordinator and the instructor of record for the Fall 2019 AT300 course. She is responsible for leading students in the construction of the project, assisting in the instruction on natural dyeing, organizing the event elements, advertising, and collecting all assessments of the project. This project is also supported by Dr. Sherry Haar, who is the faculty expert on natural dyeing, and Dr. Kim Hiller, who supervises any data collection that may occur during the course of the project.
DEPARTMENT SUPPORT

The Department of Apparel, Textiles, and Interior Design is willing to support the allocation of any funds received for this project from the Green Action Fund committee. The purchasing of materials for this project will be completed with the assistance of Dr. Kim Hiller, Department Head, Professor Barbara Anderson has agreed to support this project as it transforms into a self-supporting entity.

DIRECT STUDENT INVOLVEMENT

AT 300 students are the direct participants in the LFGI project. These students are at a sophomore level, and this is their first ADP course.

Students in this course are practically learning about sustainability. During this project students (1) become aware of the vastness of the AT supply chain, and its economic, social, and environmental implications. (2) are introduced to environmentally sustainable materials and processes, (3) are presented with opportunities to engage with alumni and entrepreneurs working in socially and ecologically sustainable aspects of the fashion industry, and (4) are given the knowledge to continue producing apparel products in a sustainable manner.

Assessment: Students who partook in LFGI Fall 2018 participated in a qualitative survey and will be solicited to participate in a semi-structured interview this Spring. This data will be reviewed for learning content and themes. The questions aim to measure if students understand the environmental, social, and economic value of participating in sustainable design work and if experiential learning can lead to continued participation with sustainability after the conclusion of instructor-led projects.

K-STATE STUDENT BODY

The 2nd annual WEW event held at K-State in October 2019. This year’s event will have a greater focus on environmental sustainability in the AT industry and panelist will include female faculty members who dedicate themselves to decreasing the ecological footprint of AT. This event will be held in the student union to be easily accessible for all members of the community.

Assessment: Students, faculty, and community members who attend the LFGI event in 2019 will be solicited to participate in a qualitative survey using Qualtrics. This survey will be designed to measure the general audience understanding of the impact the fashion industry has on the environment. It will also gauge whether the event (i.e., panel, film screening) has changed their view of the fashion industry.

The event will also charge the audience to pledge to commit to more ecologically friendly fashion practices. Such as, but not limited to, limiting their clothing purchases, changing laundering behavior, or seeking better methods of clothing disposal — all which, have a significant impact on the environment and are do-able by every person.
REQUEST FOR FUNDING

This proposal seeks to continue the LFGI project in the Fall 2019 semester. There is a significant cost for the natural dye materials needed to complete this project. In the prior year, this cost was absorbed willingly by the faculty for the sake of producing high-quality, sustainable work. The cost of the organic cotton fabric was absorbed by the students who were required to make this purchase to participate in the project.

In the effort to make this project self-sustaining I seek funding to eliminate all financial ties to students and faculty. If the project is accomplished without funds from students or faculty, then the outcomes (garments) are free to be sold, creating more funds for future iterations of this project and potentially other sustainable design projects in the ADP specialization. Funding is needed now to cover the up-front cost of this second project iteration which will include a fundraising element. In creating a fundraising mechanism within the project scheme, I hope that the project can continue long after I graduate from K-State.

Green Action Plan Funding

Local Fashion, Global Impact 2019

Environmental, Social, and Economic Sustainability Education for AT Students

Environmental, Social, and Economic Sustainability Education on the Fashion Industry for the K-State Student Body

Support local female entrepreneurs who are working to negate the negative impact of the fashion industry

Provide consistent income for a Mayan weaving community in Guatemala who adheres to environmentally friendly practices

Create a funding mechanism that allows the continuation of this project and future positive environmental, social, and economic impact at a local and global level
# ALLOCATION OF BUDGET

The budget estimates for sewing patterns, notions, and fabric are calculated to accommodate the AT300 Fall 2019 course capacity of 16 students.

### Sewing Patterns, Notions, & Fabric

**Vendor:** The Sewing Workshop (thesewingworkshop.com)
- Digital Wrap Skirt ($5.00 per download) ................................................................. $80.00

**Vendor:** Fenceline Fabrics (fencelinefabrics.com)
- Organic Cotton Thread ($3.00 spool) ........................................................................ $48.00
- Velcro ($2.75 a package) ........................................................................................... $44.00
- Bias Binding ($2.50 a package) ................................................................................ $40.00

**Vendor:** 4 All Humanity (4allhumanity.com)
- 38 Yards Fair Trade Organic Cotton Made by Mayan Artisans in Choa Cruz, Guatemala ($11.00 per yard, import/export/shipping included in total) ........................................ $380.00

Due to the high cost of natural dyes and natural dye materials quantities and estimates for these supplies have been calculated to accommodate the needs of this project for two years. This future planning is to ensure that the funding mechanism has an opportunity to come to full fruition and that the 3rd iteration of this project can continue if adequate funds are unable to be raised. Any excess will maintained for future environmental sustainability projects.

### Natural Dyes & Natural Dye Materials

**Vendor:** Maiwa (maiwa.com)
- Logwood Dye Extract (500 grams) ........................................................................... $210.00
- Cochineal Dye Extract (500 grams) .......................................................................... $355.00
- Weld Dye Extract (500 grams) .................................................................................. $239.00
- Madder Root Extract (500 grams) ............................................................................ $225.00
- Gallnut Extract (500 grams) ..................................................................................... $54.95
- Myrobalan (500 grams) ............................................................................................ $19.95
- Synthrapol (17 oz) ................................................................................................... $16.95
- Soda Ash (1kg) ......................................................................................................... $6.95
- Aluminium Acetate (1kg) .......................................................................................... $79.00
- Ferrous Sulfate (1kg) ................................................................................................ $35.95
- Titanium Oxalate (500 grams) .................................................................................. $67.95
- Ph Paper (100 strips) ............................................................................................... $23.95
- Shipping (Free) ......................................................................................................... $0.00

**Vendor:** Dharma Trading (dharmatradings.com)
- 60 Yards Natural Organic Cotton Muslin ($7.82 per yard) ........................................ $469.20
- Shipping (Based on Weight) ...................................................................................... $24.83

Total ............................................................................................................................. $2421.53

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Thank you / Gracias
February 8, 2019

RE: Green Action Fund Proposal – Local Fashion, Global Impact

To the Green Action Fund Review Committee:

I am pleased to write this letter of support for the Local Fashion, Global Impacts Green Action Fund proposal submitted by Emily Pascoe who is a PhD student in our department. Our activities and event last year were big successes and we would like to continue this effort. In the proposal, Emily has articulated how the proposed activities will continue to educate our students and the public about the issues of environmental, social, and economic sustainability in the apparel and textiles industry. Impressively, her goal is to create a self-sustaining model upon receipt of the funding requested this year.

Your support for the Local Fashion, Global Impacts Green Action Fund proposal will provide direct impact in 2019 and will begin a process of continual impact on an annual basis. I am committed to this project and encourage your commitment too.

Sincerely,

[Signature]

Barbara G. Anderson
Elizabeth Chapin Burke Chair in Human Ecology
Professor and Department Head
Apparel, Textiles, and Interior Design
Kansas State University