Sustainability Fellowship
Social Risks in Supply Chains Database
NewEarth B
York, ME

Summary:
The Social Hotspots Database (SHDB) is a project providing tools for social sustainability assessment. The SHDB fills the human rights information void in a compelling way in the changing regulatory landscape. It also enables users to comply with popular voluntary initiatives including Cradle to Cradle certifications.

This second version of the Social Hotspots Database™ Risk mapping tool will improve the user interface and experience, and implement new features that will respond better to the evolving needs of the different users. In addition, NewEarth B will develop a new tool that provides supply chain mapping capabilities combined with social risk assessment and social footprint calculation capabilities, the Ethical Supply Chain tool.

This project consists in cleaning the social risks data already imported in R, importing new updated data, implement a social hotspot index methodology, develop Tableau dashboards and Plot.ly tools to analyze and visualize the information. This project can be done in R or Python.

Deliverables:
- A functional social hotspot index calculation tool in R or Python.
- An organized and clean database file integrating all the social risks information available beginning of June 2018.
- Tableau and Plot.ly based dashboards (5 to 7) that can be embedded in the social hotspots database website members area.

Location: NewEarth B, York, ME
Time commitment: 40 hours per week, June 4-August 17, 2018
Compensation: $6000 stipend

Desired Qualifications:
- Master degree in Analytics and Data Science
- Demonstrated skills in quantitative analysis
- Demonstrated skills with R, Python and Tableau
- Background in Social Science (Sociology, Economics)
- Interest in Sustainability and Human Rights
• Willing to learn Plot.ly visualization library for Python or R
• Excellent written and verbal communication skills.
• Able to work independently and in teams.

**UNHSI Sustainability program eligibility:**
Graduate students, exceptional undergraduate students, and recent graduates are eligible. We will encourage, but not require, an academic sponsor or reference for each fellow, and where possible we will ask that course credits are awarded.

**Supervision, Training, Mentoring and Evaluation:**
This fellow will receive supervision from Catherine Benoit Norris, COO at NewEarth B, and Monique Bennema, Program Manager at NewEarth B, as well as mentoring and extensive professional development offerings from UNHSI.

Fellows will be expected to participate in the following MANDATORY events:
• A three-day, two-night orientation in Durham, NH, May 29-31. Lodging and meals will be provided. A limited number of travel scholarships will be available to assist with transportation to Durham.
• Weekly webinars during the course of the 10-week fellowship.
• Midterm project presentations to UNHSI staff, faculty and relevant project partners in Durham, NH, July 12. Travel support provided.
• Final project presentations to UNHSI staff, faculty and relevant project partners in Durham, NH, August 10. Travel support provided.

**Apply by March 29** by submitting a cover letter, resume, and short writing sample (< 2 pages) to megan.carney@unh.edu.