



## Community-Based Research (CBR) Project Proposal Form

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### U-Links Administration Only

**Project Number** (automatically generated by CBR database): 6163

**Recommended Courses and/or Disciplines** (i.e. GEOG4030Y, FRSC4890Y, IDST3700Y/3710H/3720H, ERSC3160H, PSYCH or Alternatives):

**Recommended Faculty Advisors:**

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### **PROJECT TITLE: Waste to Wisdom: Global Insights for Sustainable Incineration Practices**

#### **A – CONTACT INFORMATION**

**Date:** Dec. 18, 2023

**Contact person:** Susan Hay

**Phone:** 705-457-9239

**Email:** susanhaypaintings@gmail.com

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#### **B – COMMUNITY ORGANIZATION**

- a) **Organization's name and address:** Environment Haliburton! (EH!)
  - b) **Briefly state the organization's purpose and the products or services offered:** Mission Statement: To promote environmental health and social justice through advocacy and education. We achieve this mainly through monthly educational events we call "Enviro-Cafes", usually held the second Tuesday evening of each month.
  - c) **Has an immediate supervisor or board approved this application?**
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#### **C - PROJECT SCOPE**

- a) **Full year undergraduate CBR projects are allotted 220 hours total, per 1-2 students on a single project. The condensed hours are similar to six weeks of full-time work. Full term students would be working on this project from September to April as part of a course, while balancing work from other courses as well. Half term students will be working on this project from September - December or January to April. Does the scope of your project fit within this timeframe?**

Yes  No  Comments: (not 100% sure)

**b) Select the theme(s) for your project:**

- Cultural
- **Economic**
- **Environmental**
- Social
- Other: **Climate**

**c) Based on the timeframe and complexity of your project, please indicate the potential project scale:**

- Single year project
- **Multi-year project (requiring follow up or several parts)**
- **Ideal for undergraduate students**
- Ideal for graduate students (requires specialized knowledge/in-depth consideration of theory)

**d) Is your project appropriate for a single student or a group?**

If the project is too much for a single student, then perhaps more than one student might be involved...

**e) Describe the purpose of the project:** to determine if incineration would be an appropriate choice for dealing with waste in our small, rural, remote location with multiple water bodies.

**f) How will the project benefit your organization and/or clients?**

The project would benefit our organization and the residents of our County because it would provide an unbiased, science based answer to whether incineration is an appropriate option for our community

**g) How will the results of this project benefit Haliburton County?**

The project would benefit the residents of our County because it would provide an unbiased, science based answer to whether incineration is an appropriate option for our community (it would reduce overall greenhouse gas emissions, would not emit any toxins into the atmosphere and would be cost-effective)

**h) How did you hear about U-Links Centre for Community Based Research?**

X Word of Mouth  Social Media  Newsletter  News Article  Other: \_\_\_\_\_

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**D – RESEARCH DESIGN**

**a) What are the proposed research questions to be answered?**

How do the waste incineration technologies employed in Canada compare to those internationally in terms of: environmental impact, cost-effectiveness and efficiency?

How do different countries address and mitigate the environmental and health impacts of waste incineration? What lessons can be learned and applied locally to Haliburton County?

How do the regulatory frameworks and policies that govern waste incineration shape the adoption and development of incineration technologies, and how can policy adjustments enhance sustainability and innovation in this sector?

**b) What are your ideas on how these questions might be answered (i.e. survey, literature review, field work etc.)?**

-Comprehensive literature review on studies that compare environmental impact of waste incineration technologies in Canada and globally, this can include air emissions, water quality and other environmental indicators to compare with international benchmarks.

-Gather technical specifications and performance data from existing incineration facilities to compare with standards and advancements in incineration technologies.

-Identify mitigation measures from peer-reviewed journals, government reports and other sources related to waste management tied to environmental health.

**c) Do you have knowledge of or expertise with these types of research methods?**

I don't, but Terry Moore does and he would be willing to oversee this project.

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## E - SCREENING AND/OR TRAINING

- a) **Do the students require any specific screening or training? (e.g. police checks, confidentiality agreements, CPR, WHMIS):**

Yes     No

Comments:

*EXAMPLES: Projects involving vulnerable populations may require police checks. Some types of field work may involve WHMIS or other safety related training. Students and hosts working on boats need to understand and follow the U-Links Boat Safety Guidelines.*

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## F – RESEARCH ETHICS

- a) **Does the research involve human subjects? (i.e. surveys, interviews)**

Yes     No (It may, if in-person interviews are required)

*NOTE: If yes, the students may be required to submit an application for ethical review of the research. This process may take several weeks and will need to be taken into consideration when creating project timelines.*

- b) **If your project involves collecting human subject data (i.e. interview transcripts), would you like access to that “raw” data at the end of the project, in addition to receiving the “summary” of data in the final report?**

Yes     No

- c) **Does the organization/employer have policies about research ethics approval?**

Yes     No

**If yes, please explain:**

## G – RESOURCES

*NOTE: All known and needed resources should be listed in this section (e.g. for project coordination, data collection and analysis, software, hardware, photocopying, office supplies, workspace, travel expenses, food and refreshments, training, etc.). Students’ travel expenses are reimbursed by U-Links at the end of the term.*

- a) **What resources are needed to support the research – financial or otherwise? Please indicate what, if any, resources your organization might be able to provide.**

EH! Can host an “Enviro-Café” event on this topic to share the results, including the student as well as subject matter identified in the course of research.

- b) Do you anticipate needing funding or other types of resources? If so, please explain (including any ideas on where resourcing may be obtained): don't anticipate funding needed

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## H – KNOWLEDGE SHARING

*NOTE: Please note the researcher(s) will own the copyright for all work completed as part of his/her involvement, but the lead organization/group/employer may use all project outputs in whole or in part, as it sees fit as long as the researcher(s) is duly credited as the author. If work is completed collaboratively, copyright will be decided by all project participants.*

- a) How are the project results to be circulated and made useful to the broader community? Please indicate all that applies from the list below:

- Academic article
- Conference/forum
- Manual
- Marketing, promotional, newsletter, outreach materials
- Policy brief
- Report
- Roundtable
- Video
- Workshop
- Presentation to the host organization, possible delegation to County Council?
- Not sure of the above, let's talk some more

- b) If there are special circumstances where results might not be made public, please explain:

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## I - ACKNOWLEDGEMENT

- a) Are you able to credit U-Links when utilizing project results for the development of new programs, funding applications, policy, and other community endeavors? (Suggestions: cite U-Links and display our logo in your organization's printed matter and on your website, credit U-Links when speaking about your project in public and in the press, social media etc.)

X Yes    No    Possibly

- b) Following successful completion of the research project, with results beneficial to the goals of your organization, would you consider a financial contribution to U-Links?

Yes    No    Possibly (would have to consult with the EH! Board)

c) **Can we highlight your project on our website and in social media?**

Yes    No

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## **J – PROJECT PROMOTION**

**Please “insert” an image below to help promote your project proposal.**

