



UBC SEEDS Sustainability Program: Research Project Description Form

Version #: 1	
Form Completed By: Hannah Brash, Krista DeGroot, Sally Otto, Penny Martyn	Date: 16/08/11
Name: Hannah Brash	
Email: seeds.projects@ubc.ca	Phone: 778-386-7491

PART 1: PROJECT INFORMATION

Primary Project Theme (max. 1):			Secondary Project Theme/s (max. 2):		
<input type="checkbox"/> Biodiversity	<input type="checkbox"/> Finance	<input type="checkbox"/> Procurement	<input checked="" type="checkbox"/> Biodiversity	<input type="checkbox"/> Finance	<input type="checkbox"/> Procurement
<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Food	<input type="checkbox"/> Transportation	<input type="checkbox"/> Buildings	<input type="checkbox"/> Food	<input type="checkbox"/> Transportation
<input type="checkbox"/> Climate	<input type="checkbox"/> Health	<input type="checkbox"/> Waste	<input type="checkbox"/> Climate	<input type="checkbox"/> Health	<input type="checkbox"/> Waste
<input type="checkbox"/> Community	<input type="checkbox"/> Land	<input type="checkbox"/> Water	<input type="checkbox"/> Community	<input type="checkbox"/> Land	<input type="checkbox"/> Water
<input type="checkbox"/> Energy	<input type="checkbox"/> Materials	<input type="checkbox"/> Wellbeing	<input type="checkbox"/> Energy	<input type="checkbox"/> Materials	<input type="checkbox"/> Wellbeing
Project Title:					
<i>If submitting more than one project, please fill out a separate form for each project.</i>					
Beaty Biodiversity Centre Feather-Friendly Glass Bird Strike Monitoring					
Project Main Purpose:					
<i>Please describe the primary and any secondary research objectives that you want this project to achieve.</i>					
To quantify reduction of bird-strikes on South Wall of Beaty Biodiversity Centre due to new feather friendly treatment. To gather a qualitative assessment of how persons on campus perceive this glass treatment.					
Project Background/ Context:					
<i>Please describe pertinent project background information. This may include any challenges or opportunities that led to this project request.</i>					
<p>Bird collisions with urban structures is a widespread phenomenon in North America (and internationally), and represents the 2nd leading cause of bird mortality, killing an estimated 365 – 998 million birds annually. A recent investigation of bird collision frequencies at the University of British Columbia (UBC) in Vancouver, BC, Canada, showed that birds frequently collide with window glass on the UBC campus..</p> <p>The University of British Columbia is working towards gaining a better understanding of where, when and why bird strikes occur on campus and methods of mitigating them. There have been three past projects documenting bird strikes on campus to this date (see potential information sources below). In response to this research, UBC developed the UBC Bird Friendly Design Guidelines for Buildings. At this point the development and design community is learning about bird friendly design. The demonstration project and compelling research will allow for the guidelines to become increasingly embedded in policy on campus and in the neighbourhoods. The Green Building Plan is currently under development and is to be released in late 2017 and the intention is that biodiversity is an important theme for consideration.</p> <p>This particular project seeks to test a recently installed bird deterrent window film (Feather Friendly Symmetry) on the south glazed elevation of the Beaty Biodiversity Museum and south west entry of the Beaty Biodiversity Centre and quantitatively prove that this mitigation strategy reduces Bird-Strikes.</p>					
Contribution to Sustainability at UBC:					
<i>In this section please summarize how the project supports UBC's sustainability goals, your department's sustainability goals and operational plans.</i>					
This project will promote biodiversity at UBC by supporting more bird-friendly buildings on campus.					
Outline of Project Details:					
<i>Please describe the core task and activities that are required in order to complete the project. Common tasks include a literature review, primary data collection, recommendations, etc.</i>					
<ul style="list-style-type: none"> - Primary data collection - Survey of users of building perception - Recommendations 					
Deliverables:					
<i>This section pertains to what is expected at project completion. All SEEDS Projects require an executive summary, a report, and a presentation.</i>					
Required:					
<input checked="" type="checkbox"/> Critical Milestones (please click on link for more information)					
<input checked="" type="checkbox"/> Executive Summary (2 page max.)					
<input checked="" type="checkbox"/> Report					



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<input checked="" type="checkbox"/> Presentation Optional: <input type="checkbox"/> Other (e.g. prototypes, a demonstration, conceptual designs, full build, video, application, installation, etc.) <i>Please specify other deliverables:</i> _____
Anticipated Outcomes: <i>Please describe the expected outcomes of this work.</i> With the results Penny Martyn can have data advocating for the install of feather-friendly film at other locations on campus. If the student determines that this particular product is successful, it will provide data and a real life demonstration of mitigation leading to meaningful discussions on biodiversity and building design during the Green Building Plan process which will move forward policy.
Anticipated Initiation and Completion Date: <i>Please indicate the optimal timeline you would like this student research project conducted and any key milestone deliverables.</i> January 2017 – April 2017
Special considerations: <i>Please list any special factors that the student(s) will need to take into account (equipment, location, constraints, existing material, etc.).</i> Monitoring is to take place on the South wall of Beaty Biodiversity Museum Survey and ethical considerations?
Potential information sources: <i>Please specify any documents, literature or other sources that you think can be used to inform the students work.</i> UBC Bird Friendly guideline https://sustain.ubc.ca/sites/sustain.ubc.ca/files/uploads/CampusSustainability/CS_PDFs/GreenBuildings/UBCBirdFriendlyGuidelinesApril2016.pdf Bird Collision Reporting Mobile AppSEEDS Project https://sustain.ubc.ca/sites/sustain.ubc.ca/files/seedslibrary/Crombie_SEEDS_final_report1_0.pdf Bird Window Collisions: A problem @ UBC Buildings – ENVR 400 SEEDS Project https://sustain.ubc.ca/sites/sustain.ubc.ca/files/seedslibrary/Final%20Report_Updated%20Version.pdf Bird Collisions with Glass: UBC pilot project to assess bird collision rates in Western North America https://sustain.ubc.ca/sites/sustain.ubc.ca/files/seedslibrary/BWC%20report%20FINAL%20for%20SEEDS%20May%202015.pdf
Desired Student Qualifications: <i>Please describe experience, background and skillset qualifications that students will need to have in order to successfully complete the project. This section will be used to match suitable students with your project.</i>
Budget (if any):
Funding: Students interested in funding opportunities for this project, please check out the AMS Sustainability Fund at: amsustainability.ca

PART 2: PROJECT TEAM

Primary Staff Client:

Penny Martyn (Green Building Manager)
penny.martyn@ubc.ca

Secondary Staff Client:

Katie Beall (Beaty Biodiversity Centre Administrator)
brcadmin@biodiversity.ubc.ca

Faculty:

Sally Otto (Department of Zoology)
otto@zoology.ubc.ca

Student(s):

SEEDS Program Representative:

Hannah Brash (SEEDS Coordinator)
Seeds.projects@ubc.ca



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Other:

Graduate Student Coordinator Primary – Liz Kleynhans kleynhan@zoology.ubc.ca

Graduate Student Coordinator Support – Alison Porter porter@zoology.ubc.ca

Environment Canada Support Staff – Krista Degroot (Landbird Biologist) krista.degroot@ec.gc.ca

PART 3: ANTICIPATED OPERATIONAL STAFF, FACULTY AND STUDENT RESPONSIBILITIES

Staff Client(s):

- Review project proposal.
- Attend initial project team “kick-off” meeting or workshop to review project proposal collaboratively, discuss expectations, identify resources, and to set agreed-upon project milestones.
- Commit to ongoing communication engagement with the project member or team. This is typically through meetings, email communication or in-class workshops.
- Review and provide comment on any submitted progress reports and draft report.
- Attend final project report presentation.
- Complete the end of term SEEDS Project Evaluation Surveys.
- Inform SEEDS Sustainability Program Representative if any work content is sensitive and/or confidential in nature, and what measures they would like to implement to manage this content.
- If you are contacted by the media or initiate contact with the media please inform them that you are not speaking on behalf of the SEEDS Sustainability Program. If you expect that your project will receive media coverage please inform SEEDS Sustainability Program Representative.

Faculty:

- Explain how student will be graded for the project and how the project mark fits into the course mark.
- Support student throughout project with expertise and advice as needed.
- Ensure students understand their reports will be published and made available to the public.
- Ensure students understand that they can opt out of having reports published by submitting a written request to the SEEDS Program or contacting SEEDS.opt.outs@ubc.ca.
- Attend student presentation of project.
- Complete the end of term SEEDS Project Evaluation Surveys.
- If you are contacted by the media or initiate contact with the media please inform them that you are not speaking on behalf of the SEEDS Sustainability Program. If you expect that your project will receive media coverage please inform SEEDS Sustainability Program Representative.

Student:

- Meet project deliverables.
- Propose and commit to ongoing communication engagement schedule with your staff clients and other project team members. This is typically through meetings, email communication or in-class workshops and serves as an opportunity to discuss project progress and receive guidance. Attend final meeting with staff and present final research deliverables including your recommendations for implementation and future research.
- Using the [SEEDS Cover Page template](#), electronically submit the project report including an executive summary, to UBC SEEDS Sustainability Program within two weeks of project completion. SEEDS Sustainability Program staff will distribute the published report to all project team staff clients.
- Ensure there is no personal information (student ID, e-mail addresses, phone numbers, etc.) in the body of the final project report.
- Student reports will be published and made available to the public. Students will receive an email with a link to their report and opt-out information. If you do not want your report to be published through public channels, please inform the SEEDS Program in writing, or contact SEEDS.opt.outs@ubc.ca.
- Complete the end of term SEEDS Project Evaluation Surveys.
- If you are contacted by the media or initiate contact with the media please inform them that you are not speaking



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on behalf of the SEEDS Sustainability Program. If you expect that your project will receive media coverage please inform SEEDS Sustainability Program Representative.

- Have you considered taking and submitting photos of your SEEDS project?
You can submit up to eight (8) high-resolution photos with your final project report. The SEEDS Sustainability Program may use your photo for promotional purposes such as online (website), through social media (Facebook, Twitter, Instagram), or in print publications.

Photo credit will be given to the photographer in all instances so please tell us who took the photo. You will also need to have [photo consent forms](#) signed by anyone who you photographed and submitted with the photograph.

Some tips to taking a good photo with your phone:

- Focus on capturing emotion and action
- Take the photo with your phone positioned horizontally
- Follow the rule of thirds (check out Wikipedia for a definition)
- If you are taking pictures with people, expressions should be confident, honest, open, socialable, and bold (looking directly at the camera), where appropriate