

## **Goals for GreenChem UBC (GCU)**

### **Short term (September 2016 – August 2017)**

#### Operations

- Have a committee with 7 members and 15 members-at-large: committee will consist of the most actively engaged, who consistently attend committee meetings, take leadership roles and volunteer
- Create a complete operational budget for each year
- Obtain a bank account, website and exclusive GCU emails
- Become officially affiliated with AMS Sustainability
- Obtain promotional items: t-shirts, pens, buttons, stickers, notebooks

#### Funding

- Gain \$3500 of funding: seeking funding from CREATE Sustainable Synthesis, UBC Chemistry, Green Labs UBC, Chemistry Graduate Student Society, UBC Graduate Student Society, Canadian Institute of Chemistry BC

#### Initiatives

- One – two seminars: one hour lectures, expecting 15-20 attendants
- Coffee-time trivia: once a month starting October 6<sup>th</sup>
- Start a waste awareness campaign: distribute proper waste disposal posters, promotion within research labs, compile document on energy/waste consumption within the department
- Start a Green Chemistry education campaign: promotion of green chemistry check-list within research groups, distribute poster on solvent hazards
- Chip Chat: bimonthly Lunch-and-Learn “We’ll give you a free meal, if you listen to our spiel.”

#### Community Engagement

- Set up a green chemistry Meet-Up group to engage with the wider community
- Put promotional pieces in GSS newsletter and on department digital media
- Make a committee member a Green Chemistry Representative on the CGSS

### **Mid-term (September 2017 – August 2018)**

#### Operations

- Expand into official GCU constitution
- Maintain active social media accounts
- Become affiliated with Network of Early-Career Sustainable Scientists & Engineers (NESSE)

#### Funding

- Gain \$8,000 of funding: seeking funding from GreenLabs UBC, Canadian Institute of Chemistry BC, Sustainability UBC
- Seek industrial sponsorship: Sigma Aldrich, VWR, YVR, Fisher Chemicals, mining companies, nutraceutical companies

## Initiatives

- Education reform
  - Talk with lab directors/faculty about ‘greening’ undergraduate labs e.g. Adding green chemistry questions to lab reports, creating green chemistry based experiments
  - Work with faculty to add green chemistry sections to undergraduate courses
- Panel discussion: invite 5-6 people from academia, industry and government
- Start up a plastic and glass bottle recycling program
- Have two seminars per semester: at least one extra-disciplinary speaker and one external speaker
- Continue weekly coffee time trivia

## Community Engagement

- Continue green chemistry Meet-Up group
- Collaborate with other graduate student groups: Earth and Ocean sciences, Chemical and Biological engineering, Civil engineering, Biochemistry, Biology
- Collaborate with community groups: Science World, Lets’ Talk Science, Open Science Network, Vancouver Aquarium
- Have booth at Imagine day, Club day, graduate student orientation
- Attend sustainability conference: connect, network and learn

## Long term (September 2019 – August 2021)

### Operations

- Have complete GCU committee subdivisions: education, safety, waste, events
- Affiliate with ‘Beyond Benign’

### Funding

- Obtain industrial sponsorship for symposium
- Attain \$20,000 funding: seeking funding from GreenLabs UBC, Canadian Institute of Chemistry BC, Sustainability UBC

## Initiatives

- Have two seminars per semester: at least one extra-disciplinary speaker and one external speaker
- Green Chemistry symposium: 11-12 speakers, panel discussions and seminars, poster session with prizes
- Life cycle analysis workshop series
- Install full recycling program: solvents, bottles, e-waste, scrap metal
- Field trips to industry plants

## Community Engagement

- Collaborate with other universities: UVic, SFU, NUBC, BCIT, UBCO
- Apply to send a representative to the Green Chemistry summer school in Colorado
- Green Run: raising awareness in the community