



The PICS Student Forum 2020: Engaged Research for Climate Solutions

Thursday, October 15 – Friday, October 16

[Join Zoom Meeting](#)

Event Overview

THURSDAY OCTOBER 15

9:30AM-11:00AM Session 1

Engaged Research 1: Co-Development and Impact in the PICS Research Model

This session will introduce the PICS collaborative research and engagement model followed by a panel session on co-development and impact.

1:00PM-4:00PM Session 2

Engaged Research 2: Honing the Nuts & Bolts of Co-Development

An interactive skill-building workshop on effective stakeholder engagement with public engagement specialist, Susanna Haas Lyons. Susanna has over 15 years of international leadership experience in the field and is a former PICS Scholar.

FRIDAY OCTOBER 16

9:00AM-11:00AM Session 3

Learning from Engaged Research: Cross-cutting Themes in the Built and Natural Environment

Engaging with all of PICS' major projects in the built and natural environment, this session will use lightning talks, panel discussions and breakout groups to explore cross-cutting themes and raise important questions key to a wide range of climate solutions research.

Full Agenda

THURSDAY OCTOBER 15

9:30AM-11:00AM Session 1

Engaged Research 1: Co-Development and Impact in the PICS Research Model

9:30 Territorial acknowledgement & welcome to PICS Student Forum – Sybil Seitzinger & Bentley Allan)

9:35 Presenting the PICS Engaged Research model – Kristy Faccor

9:50 Questions from the floor & discussion

10:00 Panel moderated by Verena Rossa-Roccor (UBC) with guests:

- Magda Szpala (BC Housing)
- Maha Shehadeh (SFU)
- Anne Salomon (SFU)

10:40 Questions from the floor & discussion (Verena)

10:55 Close and next session – Nastenka Calle (PICS)

Engaged Research 2: Honing the Nuts & Bolts of Co-Development

Susanna Haas-Lyons

1:00PM Part I

1. Welcome & workshop overview
2. Defining the principles of high quality engagement.
What are the characteristics, or principles, of high-quality engagement for co-developing research?
3. Integrating an EDI lens.
Consider the principles we just identified. How might you integrate an EDI lens into the application of these principles?
4. Motivations for Engagement.
For your research, why do you want engage with solution seekers?

What motivates the participation of: research partners, solution seekers, PICS partners in your projects?

2:30 Ten-minute break

2:40 Part II

5. Identifying and addressing potential barriers for engagement.

Using the case study (or your own work), identify 5 types of people who you hope to engage. What might be some barriers to participation in a codeveloped, co-designed research project? How might the COVID response impact your engagement efforts?

6. Collaborative Planning and POP Model. Presentation.

Using the case study, define the POP (purpose, objectives and process) to be used for an upcoming meeting.

7. Wrap Up

9:00AM-11:00AM Session 3

Learning from Engaged Research: Cross-cutting Themes in the Built and Natural Environment

9:00 Introduction to session – Hannah Teicher

9:05 Built Environment Lightning Talks and Discussion

- Introduction – Hannah Teicher
- Adaptive mitigation – Ilana Judah
- Mitigation and adaptation for municipalities – Garrett Therrien
- Mobile Thermal Energy Storage – Maha Shehadeh
- Displacement – Nicole Bates-Eamer

9:55 Natural Environment Lightning Talks and Discussion

- Introduction – Carly Phillips
- 10:00 Wildfire and Carbon – Eric Nance
- 10:05 Solid Carbon – Ryan Foxall

10:20 Cross-cutting Discussion and Takeaways

10:55 Student Forum 2020 Wrap-up – Sybil Seitzinger and Bentley Allan

2020 STUDENT FORUM - GUEST LIST

Scholars	Degree	University	Department	Research Topic
OPP Projects (**Including students involved in the projects but not funded by PICS)				
Ilana Judah	MSc	UBC	Institute for Resources Environment & Sustainability	Climate change mitigation and adaptation strategies for urban multifamily residential buildings
Danielle Denley	Post Doc	SFU	Resource and environmental management	Climate change resilience of kelp forest ecosystems and coastal communities adaptation strategies on kelp
Heather Earle **	MRM	SFU	Resource and environmental management	Climate change resilience of kelp forest ecosystems and coastal communities adaptation strategies on kelp
Meredith Fraser **	MRM	SFU	Resource and environmental management	Climate change resilience of kelp forest ecosystems and coastal communities adaptation strategies on kelp
Karen Dietrich	MSc	UNBC	Natural Resources & Environmental Studies	Online tool to support climate-adapted conservation planning across British Columbia's natural and protected areas
Xavier Corredor Llano	PhD Student	UNBC		Online tool to support climate-adapted conservation planning across British Columbia's natural and protected areas
Maha Shehadeh	MSc	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Mina Rouhani	Post Doc	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Joshua James Wallis **	Undergraduate - Capstone project	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Nikita Bazhanov **	Undergraduate - Capstone project	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Stanislav Svichkar **	Undergraduate - Capstone project	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Gregory Gadi Schneiderman **	Undergraduate - Capstone project	SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Laura Whelan		SFU	Mechatronics Systems Engineering	Mobile Thermal Energy Storage
Nicole Bates-Eamer	PhD Student	Uvic	Political Science	Climate Change Displacement in BC

Theo Christiaanse	Post Doc	Uvic		Climate Mitigation and Adaptation Solutions for Municipalities
Garrett Therrien**	Master	Uvic		Climate Mitigation and Adaptation Solutions for Municipalities
Theme Project (**Including students involved in the projects but not funded by PICS).				
SOLID CARBON				
Kunal Khandelwal	ONC Intern Student	ONC	Research Consultant - Ocean Networks Canada	Solid Carbon: A Negative Emissions Technology Feasibility Study
Curtis Evans	ONC Intern Student (recently finished)			
Ryan Foxall	MSc Student	UVic	Mechanical Engineering	Solid Carbon: A Negative Emissions Technology Feasibility Study
Ryan Long-Innes**	MSc Student	UVic	Mechanical Engineering	Solid Carbon: A Negative Emissions Technology Feasibility Study
Guillaume Peterson St-Laurent	Postdoctoral Researcher	UBC	Institute for Resources, Environment and Sustainability	Solid Carbon: A Negative Emissions Technology Feasibility Study
Heather Norton	PhD Student	UVic	Mechanical Engineering	Solid Carbon: A Negative Emissions Technology Feasibility Study
Gerard Avellaneda Domene	PhD Student	UVic	Mechanical Engineering	Solid Carbon: A Negative Emissions Technology Feasibility Study
Patrick Connolly**	MSc Student	UVic	Mechanical Engineering	Solid Carbon: A Negative Emissions Technology Feasibility Study
Adedapo Awolayo	Postdoctoral Associate	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
Juan Carlos de Obeso**	Postdoctoral Associate	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
John Byng**	Undergraduate Researcher (Summer/Fall 2020)	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
Calista Brown**	Undergraduate Researcher (Summer/Fall 2020)	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
Yi Yang**	Undergraduate Researcher (Summer/Fall 2020)	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
Karim Kandil**	Undergraduate Researcher (Summer/Fall 2020)	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study
Taylor Kirschner**	Undergraduate Researcher (Winter 2020)	U Calgary		Solid Carbon: A Negative Emissions Technology Feasibility Study

Peter Scheuermann (need to confirm if funded by PICS)	Postdoctoral Researcher	UBC	Earth, Ocean and Atmospheric Sciences	Solid Carbon: A Negative Emissions Technology Feasibility Study
Emma Louis		UVic		Solid Carbon: A Negative Emissions Technology Feasibility Study

WILDFIRE AND CARBON				
Sheng Hao Xie	Post Doc	UBC		Wildfire and Carbon
Eric Nance	MS	UBC		Wildfire and Carbon
Tristan Zaborniak	co-op student			Wildfire and Carbon
Mike Stefanuk	PhD Student	UBC		Wildfire and Carbon
Marcos Riquelme	PhD Student	UBC		Wildfire and Carbon

PICS Interns 2020				
David Song	Undergraduate	SFU	Applied Science	Clean Government Reporting Tool Implementation
Clinton Mix	Graduate	UBC	Public Policy & Global Affairs	A climate adaptation lens for development bylaws
Tristan Douglas	Graduate	Uvic	Earth Ocean and Atmospheric Science	Stuary Health Indicator Assessment and Climate Change Mitigation - Pilot study on Cowichan Estuary
Brenna Strandberg-Salmon	Undergraduate	SFU	Faculty of Environment	Climate Emergency Toolkit and Resources for Industry and Professional Associations
Tristan Flock	Undergraduate	UBC	Applied Science	Developing a Climate Change Action Plan for Engineers and Geoscientists BC

Vanshika Jotsinghani	Undergraduate	UBC	Sauder School of Business	EcoBase Certified Measurement and Marketing
Kathryn Fisher	Graduate	SFU	School of Resource and Environmental Management	Forest carbon sequestration potential in the capital region of BC
Catriona Mallows	Graduate	Uvic	School of Environmental Studies	Vancouver Island & Coastal Communities Climate Plan
TBD				Climate Change Impacts on Air Quality and Health: Developing an Adaptation Strategy for Northern BC (Forest fires)
Luisa Hadley	Recent graduate	UNBC	Natural Resources and Environmental Studies	Pilot methodology for small islands ecological footprint

