

CNAES
HQP Research & Collaborative Exchange
Funding
Visit report

1. Exchange information

Visitor: Dalal Hanna, PhD Student, McGill University, [Theme 3, Project 6](#)

Supervisor: Elena Bennett, McGill University

Host: Sarah Gergel, University of British Columbia

2. Goals

The main goals of this visit were to: 1) meet with post-doctoral student [Stephanie Tomscha](#) to discuss and develop a project reviewing riverine ecosystem service literature; and 2) meet with Sarah Gergel and members of her lab to discuss my project and potential GIS techniques to quantify aquatic ecosystem services.

3. Description of the visit

My visit to the University of British Columbia took place from February 22nd to 26th 2016. I spent the week in the Department of Forestry, where I shared an office with Stephanie Tomscha and worked with her to address key questions regarding data collection for a literature review of riverine ecosystem service studies. Prior to my visit Stephanie and I met over Skype multiple times with another CNAES network member, [Camille Ouellet Dallaire](#), to develop the framework I would use to collect information from the studies we were reviewing. During my visit Stephanie and I worked together to finalize the characterization of how riverine ecosystem services were quantified in over 70 papers. Some key preliminary results from this study are found in the figure shown below. Stephanie and I are now working on finalizing this study and are planning on submitting it for publication in the fall of 2016.

During my visit, I also met with Sarah and other members of her lab to discuss my project and potential techniques to quantify various aquatic ecosystem services using GIS. The Gergel lab's thoughts and input on my project ideas for later chapters of my thesis were very valuable and have opened the door to future collaborations working more in depth on GIS and landscape quantification of aquatic ecosystem services. My visit also overlapped with [Kristen Daoust](#), another member of the network, allowing for multiple discussions regarding the use of White Box and aquatic invertebrate sampling techniques. We also set up a lunch to connect with [Alex Yeung](#), another member of the network based at University of British Columbia. At the end of the week, I prepared a 40-minute presentation on my review project which I delivered to all members of Sarah Gergel's lab.

