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**ROLES:** C-Change Research Associate  
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teered Geographic Information (VGI)  
and quality control of VGI

**DISCIPLINES:** Photogrammetry, Remote Sensing,  
GIS, VGI, Spatial Programming

**KEYWORDS:** GIS, VGI, Open Source,  
Land Administration



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### **RESEARCH INTERESTS:**

Authoritative geographic datasets are the source of accurate and reliable data. The process of acquiring, updating and maintaining such datasets takes a lot of time and resources. As a result, data from such datasets costs a lot of money and, in many cases, is out of date because of the high cost to maintain such datasets.

My research interest is to explore an alternative approach to reliably create and update authoritative geographic datasets by integrating VGI and authoritative datasets, providing up-to-date and inexpensive geographic datasets. The research is intended to cover in a comprehensive way facilitation of integration of VGI with data from authoritative datasets. Development and deployment of a prototype to validate VGI to comply with the authoritative dataset standards, legal aspects and best practices to encourage volunteers to contribute VGI and lessons learned from similar projects would be conducted.

### **BIOGRAPHY:**

Andriy has a MScE degree in Geodetic Engineering and another MScE in Law. He is currently studying for a Master of Science in Engineering (MScE) at the University of New Brunswick. His research is integration and validation of VGI with authoritative datasets supervised by Dr. David Coleman and Dr. Sue Nichols.