

**CIWESS SOCIO-ECONOMIC SEMINAR SERIES**

Concordia University, Montreal, QC

Talk scheduled from 4:00 p.m. to 5:10 p.m., Location: EV 3.309

**'Using organizational life cycle assessment to develop an evidence-based sustainability strategy'**

Wednesday, April 12th, 2017



**Dr. Shannon Lloyd**, Assistant Professor, Department of Management, JMSB

**Biography:** Dr. Shannon Lloyd develops quantitative methods for assessing the environmental and social impacts of technology and operations from a life cycle perspective. Her focus is on developing methods that can be integrated into private- and public-sector decision contexts to enable evidence-based sustainable development. Dr. Lloyd's research is grounded in interdisciplinary academic training and 15 years' experience in the private

and public sectors. She holds a PhD in Engineering and Public Policy, an MS in Civil and Environmental Engineering, and a BS in Enterprise Systems Engineering.

**Abstract:** Life cycle assessment (LCA) is a systems approach for assessing the resources requirements, environmental impacts, human health impacts, and other sustainability attributes of goods and services from a life cycle perspective. LCA has become a commonplace tool for comparing and improving the sustainability of product systems. Several decades of use has resulted in a number of comprehensive LCA datasets. This is enabling a transition from labor intensive process-based LCA to data-driven LCA models that can provide quick insights on impacts and risks across complex value chains. There is increased interest in using these methods to inform strategic decisions. This presentation will provide an overview of an integrated hybrid LCA approach



**CIWESS SOCIO-ECONOMIC SEMINAR SERIES**

Concordia University, Montreal, QC

**Talk scheduled from 4:00 p.m. to 5:10 p.m., Location: EV 3.309**

for integrating publicly available LCA datasets with a firms' operational and performance data to enable an organizational LCA. Of particular interest is the firm's ability to use the results of an organizational LCA to: systematically and accurately reveal sustainability risks and opportunities; establish the business case for sustainability; assess impacts to social and ecological systems; and facilitate scenario planning from a strategic perspective.

For more information, contact Priyanka Pandey at [programcoordinator@encs.concordia.ca](mailto:programcoordinator@encs.concordia.ca) , Tel: 514-848-2424, ext. 4250 .

