



## Séminaire du Laboratoire sur les réseaux de soins de santé du CIRRELT



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### INVENTORY MANAGEMENT OPTIMIZATION OF THE BANK OF CANADA BANK NOTE DISTRIBUTION SYSTEM

**Abstract:** The Bank of Canada (BoC) manages the bank note holdings of 44 Regional District Centers (RDCs) gathered within 10 Regional Distribution Points (RDPs). Its main goal is to ensure that there are sufficient bank notes available across Canada such as to meet the demand for each type of bank note (fit and new) and denomination in a timely manner.

We have improved the transportation decisions for the management of the BoC's bank note distribution system (BNDS). In particular, we propose a sS policy for managing the inventory and a software for simulating inventory management policies. We have also investigated techniques to set the thresholds of this sS policy.

**Bio:** Antoine Legrain is a postdoctoral fellow at the department of Industrial and Operations Engineering of University of Michigan, Ann Arbor.

MARDI / TUESDAY

11 juillet 2017 /  
July 11th, 2017  
15h

Salle / Room 5441  
Pavillon André-Aisenstadt  
Université de Montréal

Ouvert à tous / Open to all

**Organisateur / Organizer**  
**Nadia Lahrichi**

