

A PUBLIC ADMINISTRATION ENHANCED BY ARTIFICIAL INTELLIGENCE?

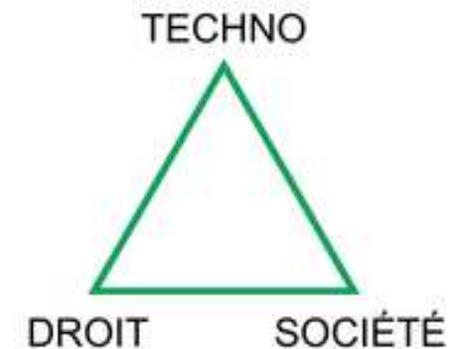
Transforming the law to regulate the use of new technologies in the public administrations of Quebec and Canada

MY BACKGROUND

- LL.B. from UQAM
- Bar in 2017, articulated with City of Montreal (litigation)
- LL.M. from University of Sherbrooke
- Research supervisor: Prof. Stéphane Bernatchez
- FRQSC/SSHRC Doctoral Fellowship
- Expected Ph.D. completion: 2025

RESEARCH QUESTION

- Technological context: history of AI; AI definitions and other key concepts
- Political-administrative context: transformation of the state and public administration
- Legal context: legal framework for these digital transformations within the public administration



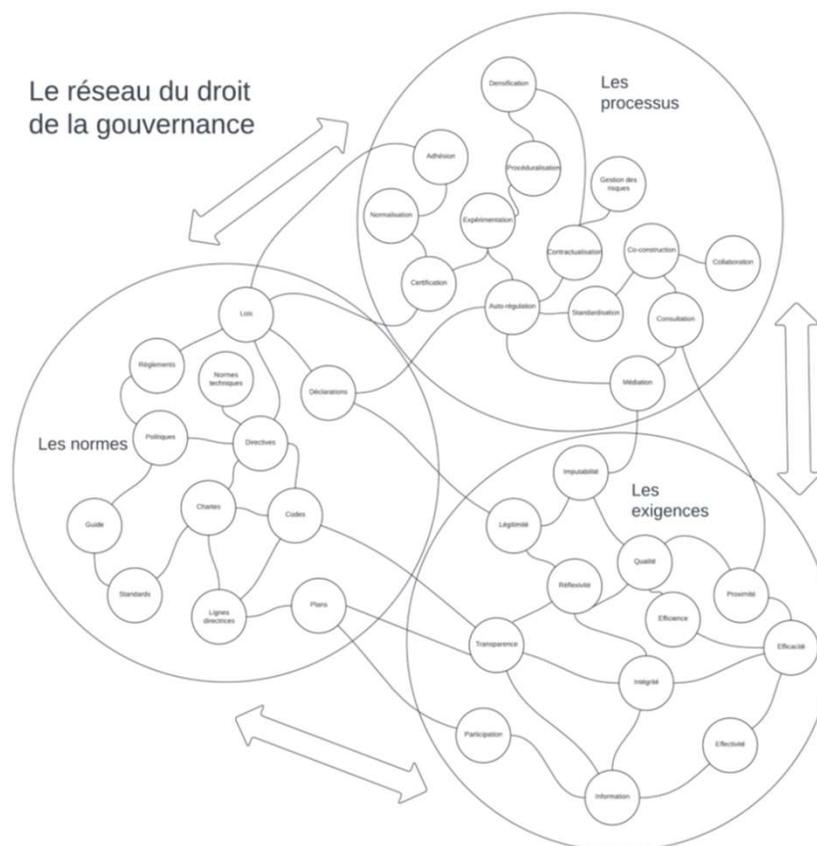
RESEARCH QUESTION AND OBJECTIVES

- How does governance law regulate and supervise algorithmic governance?
 - 1) Take stock of technological tools and practices implemented in the public administrations of Quebec and Canada in order to get a clear picture of current innovations, particularly in the field of social security
 - 2) Identify the standards that govern the development and use of these technological tools
 - 3) Analyze transformations in the law driven by both governance through technologies and governance of technologies
 - 4) Validate the hypothesis of the law of governance as a theoretical explanation for these transformations

THEORETICAL APPROACH: THE LAW OF GOVERNANCE

“[Governance] is an experimental process that transforms the roles and forms of normative production. The innovative interpretation of norms comes to modify the behavior of the actors involved...”

Marc Maesschalck, *Reflexive Governance for Research and Innovative Knowledge*, London, Wiley-ISTE, 2017.



ANALYSIS

Part I: Governance of algorithms

What can we learn from the regulation and supervision of technological development in Quebec and Canada?

Part II: Governance by algorithms

Three case studies:

- 1) Quebec's digital identity program
- 2) The dematerialization of social assistance records
- 3) Self-learning software at Revenu Québec

THANK YOU!

Questions?



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