

Impacts of ICT's research intermediaries on Quebec's innovation ecosystem: final results

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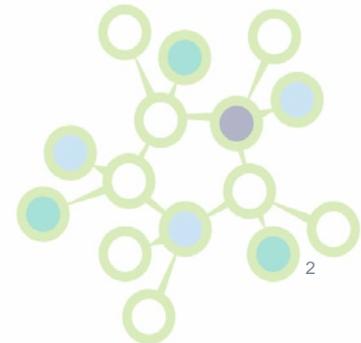
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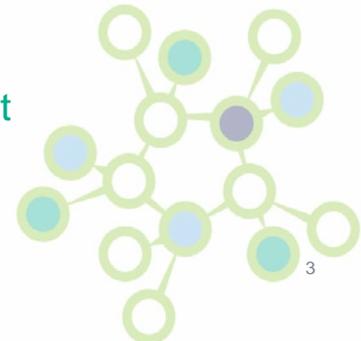
Methodology

- ◉ Research question:
 - ◉ What are the impacts of RIs in ICT in Quebec's innovation ecosystem?
- ◉ Exploratory case study
- ◉ Semi-structured interview and data from the Web
- ◉ Eight (8) themes discussed
- ◉ Four (4) RIs
- ◉ Based in Quebec
- ◉ Active in the ICT industry



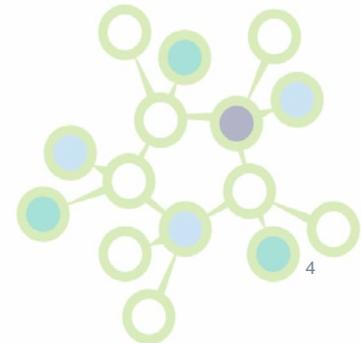
Findings

- RI1 : research center that provides state-of-the-art equipment in microelectronics and promotes the commercialization of innovation
- RI2 : research consortium that funds collaborative research projects between universities and businesses in the field of ICT
- RI3 is working to adopt new ICT practices and active in creating social innovation and in spreading ICT knowledge to the public
- RI4 is a research consortium that funds university-business collaborative research projects in a specific industrial sector that heavily relies on ICT
- Three major roles in the innovation ecosystem:
 1. Strengthen the innovation ecosystem
 2. Facilitate communication amongst the actors in the ecosystem
 3. Fostering a culture of collaboration throughout the research environment



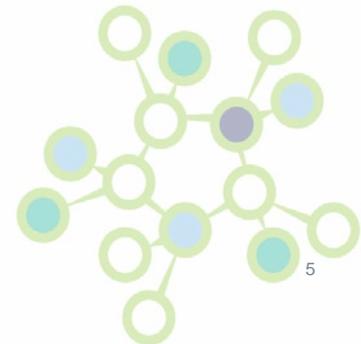
Findings

- Each of these RIs have different impacts and roles on the innovation system
- They all provide some form of funding to the actors in the system
- RI1, RI2 and RI4 have a great impact on industrialists and researchers.
- RI3 adds an impact on the public and the government
- There is therefore somewhat of a member selection across the network and the benefits may not apply to everyone
- Three of the four RIs offer some openness to the exterior but they may lack the resources to go further
- **Opportunities for multisectoral projects could emerge if a more conscious effort was made on this objective and if the RIs shared good practices on the subject**



Meaning for the Canadian Digital Opportunity

- ◉ RIs seems ideal candidates for developing projects that require structuring coordination for the industry or requiring the integration of actors and knowledge from several sectors
- ◉ If the IR made efforts to better supervise and document multisectoral projects, Canada could better understand the impact of this type of project on companies as well as develop expertise for this type of project and put in place best practices



Key Policy Implications from Findings

- ◉ **The availability of capital**

- ◉ Governments should consider facilitating procedures for collaborative research projects involving different intermediaries or increasing funding for such projects

- ◉ **Access to knowledge**

- ◉ RIs should plan more regular activities to ensure that SMEs can be better trained in this area and thus be more able to seize opportunities for collaboration. Governments must ensure that the realization of R & D training is also part of RI's mandate
- ◉ Governments should add a criterion of internalization in their assessment of the RIs and in their mandate

