HOW TO STIMULATE INNOVATION IN REGIONS (OUTSIDE OF METROPOLITAN AREAS)

For

INTERNATIONAL ASSOCIATION OF SCIENCE PARKS AND AREAS OF INNOVATION NORTH AMERICAN DIVISION CONFERENCE

Organised by St-Hyacinthe Technopole

By Félix Grenier

Founder and President



What is Innov&co?

- Innov&co is both a consulting firm and a private think tank on localised innovation
 - Ex. we produce quarterly research reports on relevant topics, which are made public through our website (see here).
- Innov&co's team has supported more than 15 cities and territories, mostly outside of metropolitan areas in Quebec, to develop their structuring initiative for localised innovation during the past 4 years

 We combine the depth of academic knowledge with practical experience in public policy.



Why would we stimulate innovation outside of metropolitan areas?

- Stimulate growth, economic diversification and a fair distribution of associated benefits
- Counter traditional extractive relationships between centers and socalled peripheries, and support autonomy of regional operators over their own development
- Promote socio-economic mobility and make opportunities accessible across all regions
- Ensure that the green energy transition is achieved and that associated benefits are shared in all economic sectors, including resource-oriented ones



What are the main assets of (non-metropolitan) regions in the innovation landscape?

- Tightly knitted communities, which supports social cohesion and mutual trust
- Easier access to local decision-makers and leaders
- Industrial niches and expertise areas in sectors that are difficult to displace as they are connected to local resources

Where to find regional innovation in Quebec?

Innovation Zones (ZI)

Designated and projected

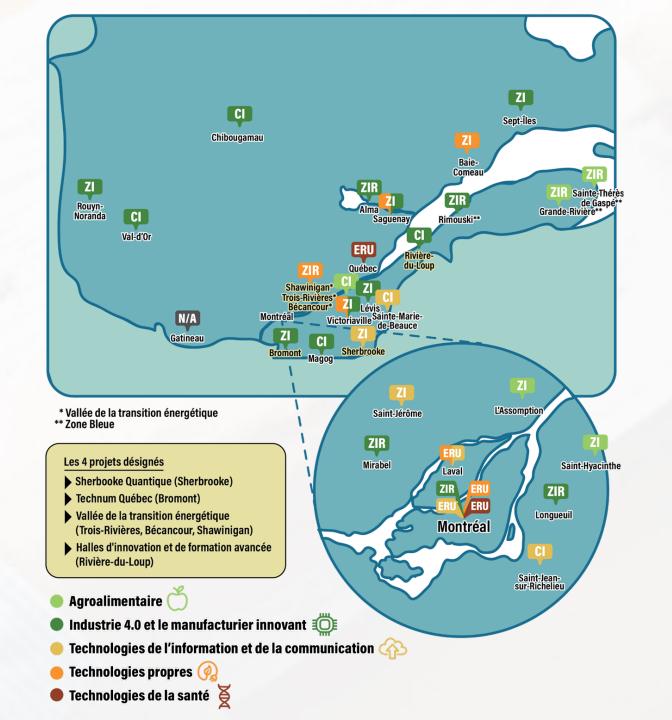
Innovation Centers (CR)

Designated and projected

 Institutions of higher education and research

Universités du Québec, CCTT, etc.

Innov&co interactive tool to navigate this ecosystem



Similar initiative: French "Competitivity Poles"

Active since 2005

Case studies:

- CIMES (Auvergne-Rhône-Alpes Nouvelle Aquitaine): Manufacturier, Performance de production et Ingénierie
- <u>Materalia</u> (Grand Est): Matériaux innovants, Transition environnementale et Transition numérique





Essentials for success of regional innovation The strategic vision

- A vision that unites local and regional stakeholders
- A vision that is coherent with the region's history and resources
- A challenge for all: Developing a collaborative culture among businesses and organizations
- Two books recommendations:
 - Co-opetition
 - The Rainforest

Essentials for success of regional innovation The human network

- Integrate a wide and dense network of regional and extra-regional partners that can connect the local/regional ecosystem with
 - Expertise and knowledge
 - Capital
 - Clients (esp. large corporations)
 - **Talents**
 - Always a challenge
 - "Institutional resources" are key, i.e.
 Teaching and research institutions

 - Large and mid-size corporations rooted in the area

Essentials for success of regional innovation Infrastructures to connect

- Infrastructures are essential to connect with the world
 - Telecommunications network
 - Transportation infrastructures for people and merchandises (airport, rail, roads)

Where are the greatest opportunities for innovation in regions today?

Renewable energies :

 Our economies are already and will continue to undergo major industrial changes, that will necessitate massive quantities of new resources from mining, agriculture and forestry for example

Manufacturing :

- Industrial startups are key to regional innovation
- Automation in manufacturing processes (esp. in first and second transformation)

Focus on Low Hanging Fruits

 See <u>The New Fish Wave</u> (2020), Thor Sigfusson - Founder and CEO of the Iceland Ocean Cluster



Thank you!

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