

SUSTAINABLE MONTRÉAL 2016-2020

Together for a sustainable metropolis

Montréal 

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TOWARDS A CIRCULAR ECONOMY

February 21th 2018

MONTRÉAL – A BRIEF PROFILE

Approximately 2 million inhabitants

The most populous French-speaking city in North America

Québec's metropolis and the heart of its economic activity

A green city

An extensive public transit network

World's best city for students in 2017

Intelligent Community of the Year in 2016

Montréal 

Sources: www.montreal.com, shutterstock.com / GHG inventory 2013, City of Montréal

THE MONTRÉAL APPROACH

Circular economy: a priority

4 priorities for intervention

Reduce GHG
emissions and
dependence on
fossil fuels

Add vegetation,
increase
biodiversity
and ensure the
continuity of
resources

Ensure access
to sustainable,
human-scale
and healthy
neighbourhoods

Make the
transition toward
a green, circular
and responsible
economy

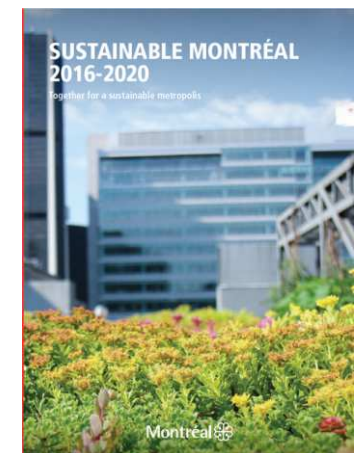
THE MONTRÉAL APPROACH

Partner Organization Action Plan

Priority	Make the transition toward a green, circular and responsible economy
Action 16	Integrate the principles of the circular economy into the organization's business practices.

Municipal Administration Action Plan

Priority	Make the transition toward a green, circular and responsible economy	
	Reference year 2015	2020
Action 15	"Green" the economy	
Develop and implement the TM21 initiative, with the goal of beginning Montréal's transition to an ecological economy	-	-
Create an initial portrait of the development of Montréal's circular economy	-	-
Complete an action study in order to operationalize existing industrial synergies in the eastern part of the island	-	-



FIRST STEP : Initial mapping of the development of Montréal's circular economy

CARTOGRAPHIE DES ACTEURS ET INITIATIVES EXISTANTES EN ÉCONOMIE CIRCULAIRE SUR LE TERRITOIRE DE LA VILLE DE MONTRÉAL

Version 1 - 3 avril 2017

Auteurs:

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Victorine Crahes et Caroline Cyr



- Joint initiative of the Sustainable Development Office and the Economic Development Service of Montréal
- Mandate given to the Institut de l'environnement, du développement durable et de l'économie circulaire (Institut Eddec) to map out the players and initiatives in circular economy on the Montréal territory

Objective

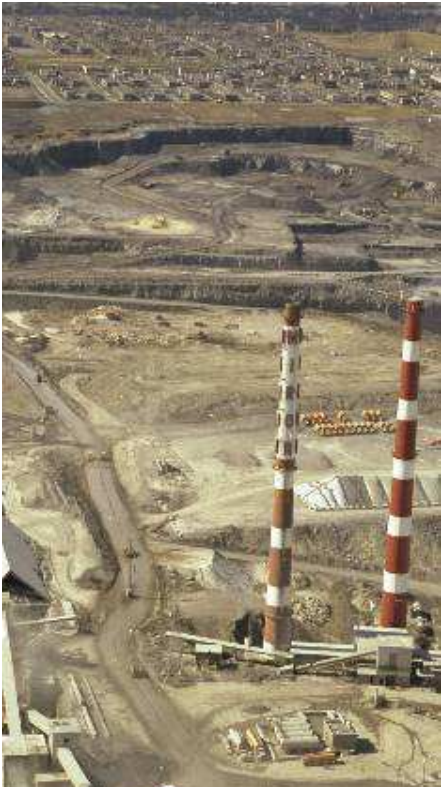
To better understand the actors and initiatives that already contribute to a better circularity of resources in the city in order to better target and formulate priorities for actions, policies and strategies

KEY RESULTS: Initial portrait of the development of Montréal's circular economy

- Variety of existing players and initiatives: in sizes, thematics, geographic location
- Circular economy very present on the territory - nearly 300 initiatives
- Existing initiatives relating mainly to:
 - Functionality / collaborative economy (sharing)
 - Sustainable procurement / reduction at source
 - Longer service life (maintenance and repair, re-use, reconditioning)
 - Recycling and recovery of materials
- Significant presence in circular economy initiatives in 3 boroughs that have in common:
 - Many community-based organizations
 - A population composed largely of responsible and conscientious consumers
 - Innovative local environments
 - Policy favoring the deployment of the circular economy

MONTRÉAL EXEMPLARY

Parc Frédérick-Back & Complexe environnemental de Saint-Michel



Limestone Quarry



Landfill Site

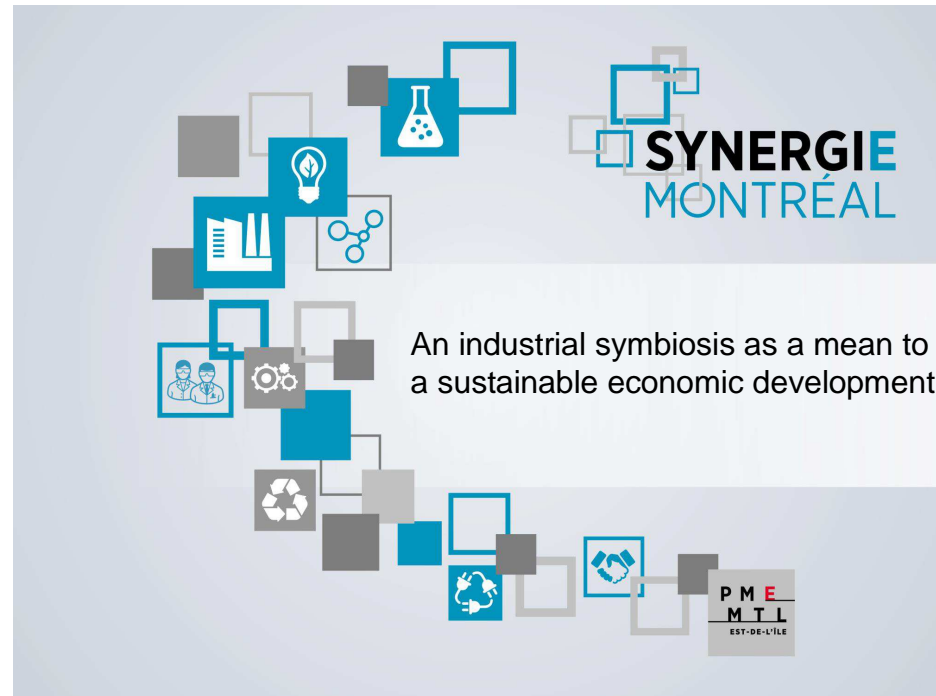


Emblematic Park

MONTREAL IS PARTNERING TO FOSTER CIRCULAR ECONOMY

SYNERGIE MONTRÉAL

A success story of an industrial symbiosis



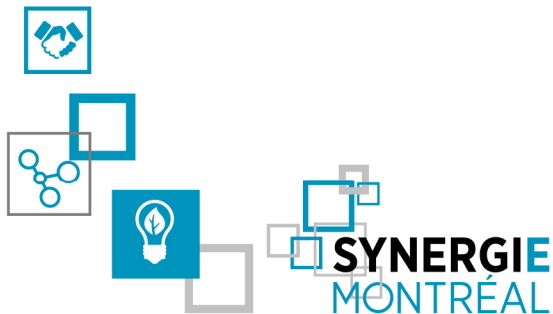


An industrial symbiosis as a
mean to a sustainable
economic development

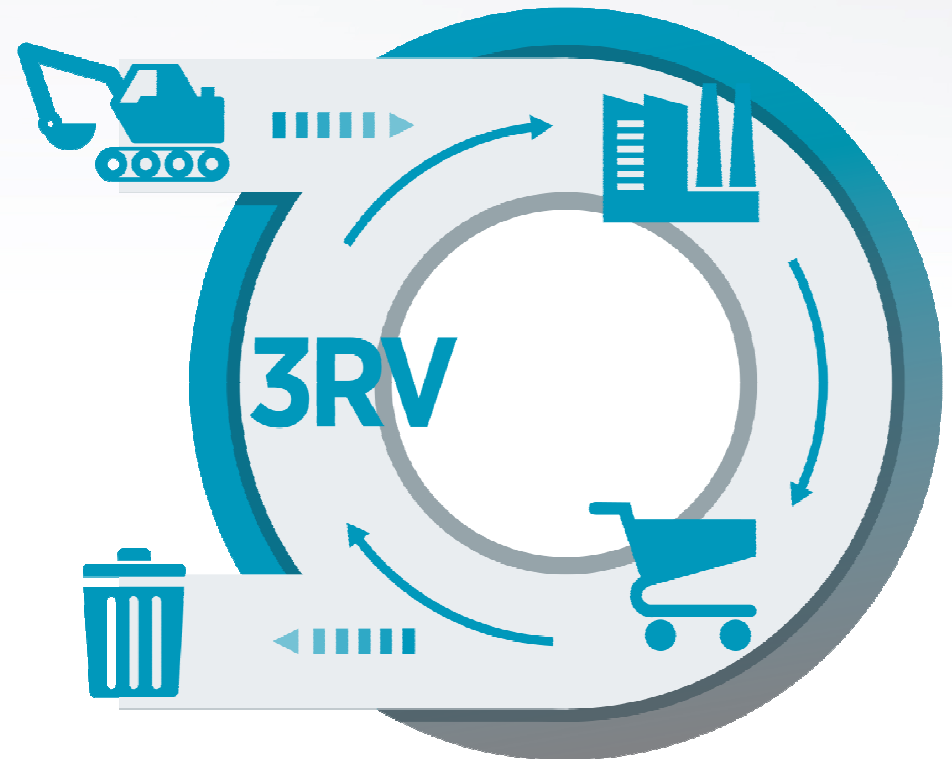


PRESENTATION PLAN

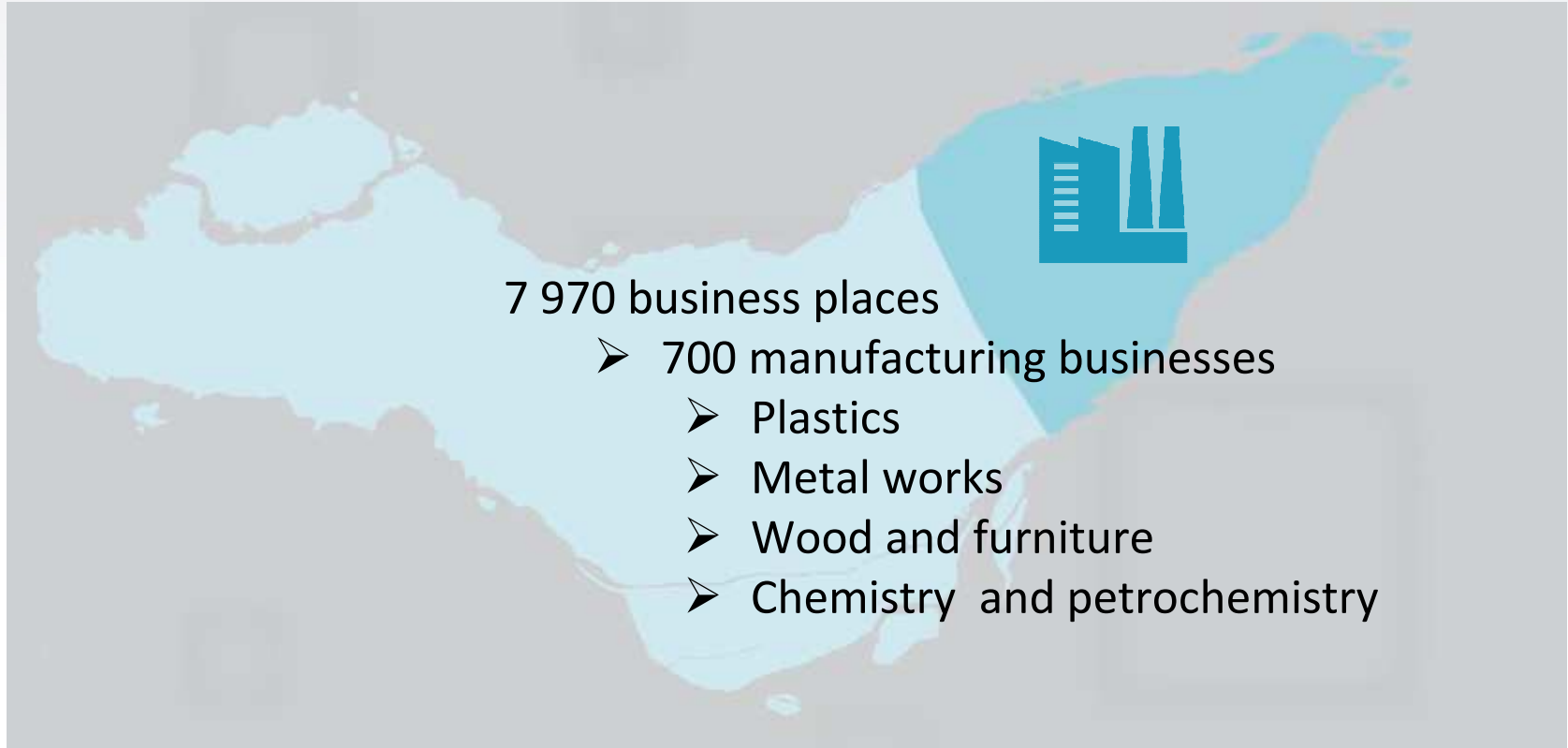
- I. Circular economy and industrial ecology
- II. An industrial symbiosis in the East-end of Montreal
- III. The mechanics of Synergie Montreal
- IV. First results
- V. Futur aims of the projet



I. CIRCULAR ECONOMY AND INDUSTRIAL ECOLOGY



II. AN INDUSTRIAL SYMBIOSIS IN THE EAST-END OF MONTREAL



SYNERGIE
MONTREAL

III. THE MECHANICS OF SYNERGIE MONTREAL



- I. Audit: input – output – industrial processes
- II. Connection between local providers and potential users/buyers
- III. Research of opportunities for by-products without local prospects

IV. FIRST RESULTS

522

Businesses approached



53

Members or participating businesses



474

Informed and sensibilised individuals



34

Operationnalized or ongoing synergies



123 947 \$

Generated revenues, tax credits or cost savings



1 283 tons

Of by-products diverted from landfill or recycling



163

Avoided garbage trucks



30 000 \$

Value of mutualized equipment



75 hours

Of technical and scientific support to members



V. FUTURE AIMS OF THE PROJECT

SUSTAINABILITY FOR MONTREAL AS TO REACH OUT TO ALL STAKEHOLDERS

SYNERGIE MONTREAL'S PART



THANK YOU!

For further information

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