



Revision of the Residual Materials Management Plan (RMMP)

Presentation

Public consultations

January 26th and February 4th, 2016

"In the case of a difference and/or an incompatibility between the French and English texts, the French text shall prevail".



1. Description of the MRC's territory

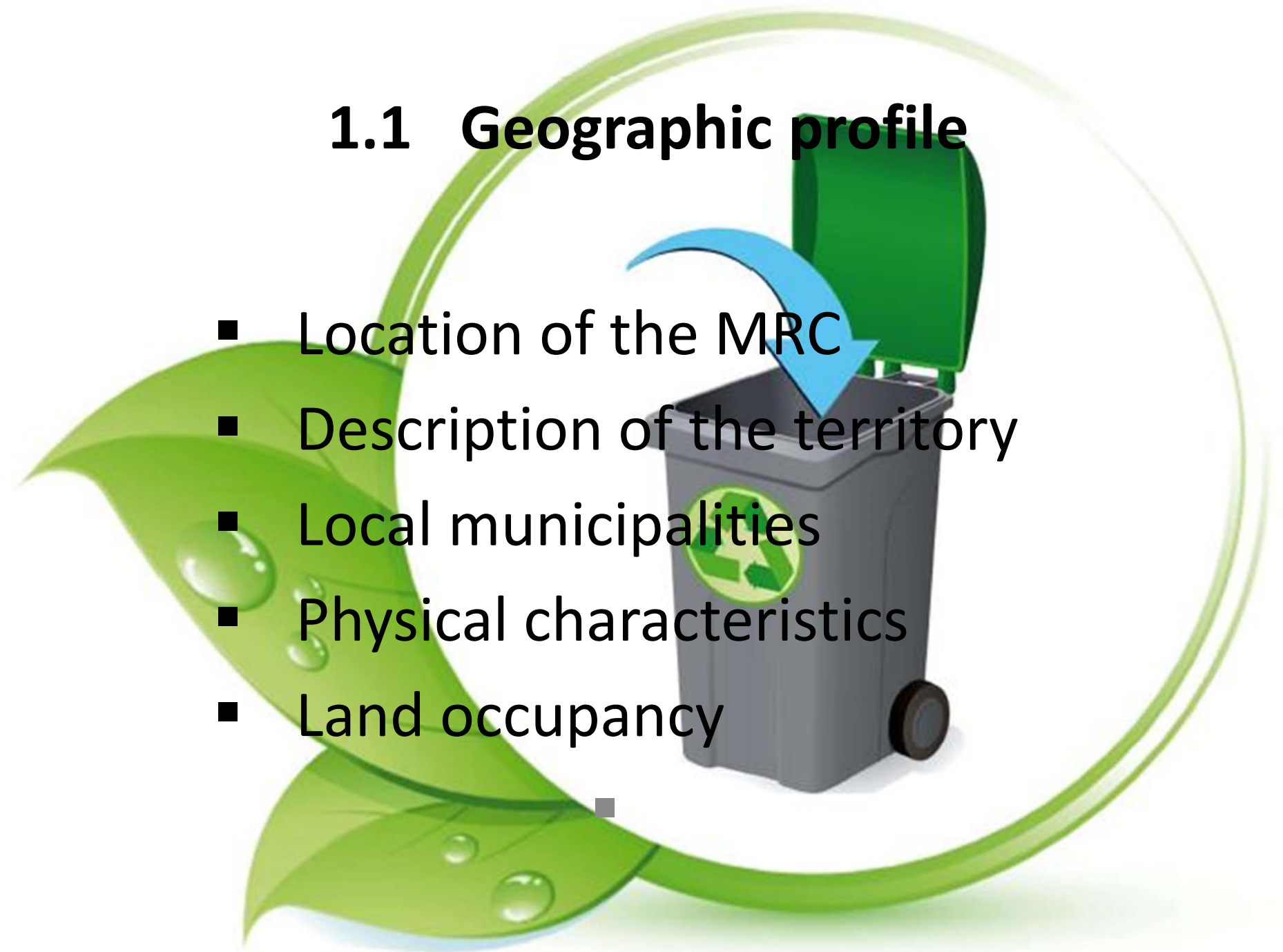
Principal reference

- RMMP 2005
- MRC's Land use and Development plan
- Institut de la Statistique du Québec
- Statistics Canada
- CLD des Collines-de-l'Outaouais
- MRC's property assessment roll
- Inventory tool used for residual materials for the RMMP prepared by Chamard et Associés / Recyc-Québec



1.1 Geographic profile

- Location of the MRC
- Description of the territory
- Local municipalities
- Physical characteristics
- Land occupancy



1.2 Demographic profile

- Population of more or less 50 000
- Growth of 2.31%/yr
- Projected population for 2026 = 57 000
- 18 410 households with 2,6 citizens
- 90 % are property owners
- 20 097 residences, 3 521 seasonal residences, 1 526 industries, businesses and institutions
- Between 6 et 10 % of properties have 2 or more units

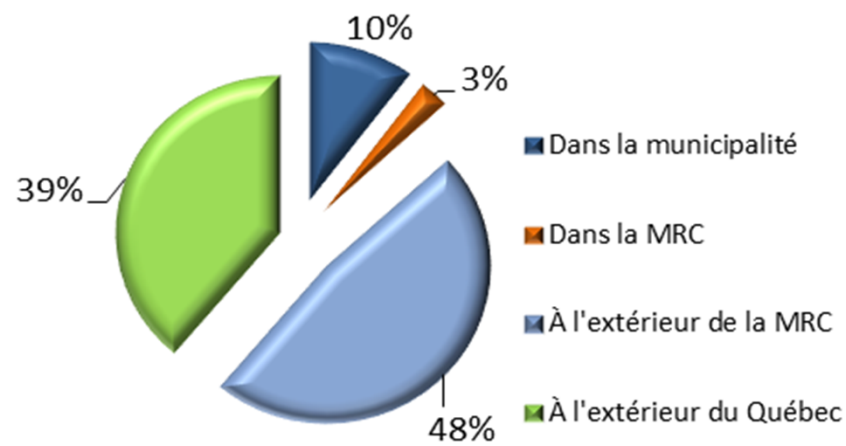
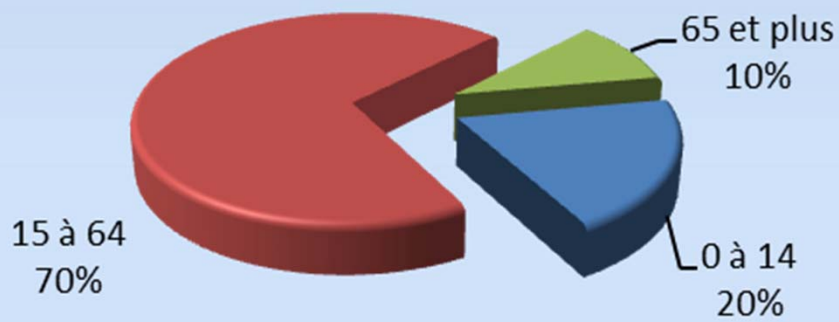


1.3 Socioeconomic profile

- 87 % have a certificat or diploma
- 34 % have a university degree or higher
- 61 % bilingualism rate
- 12 % unilingual anglophone
- 27 % unilingual francophone
- Average income in 2010 = \$57 712



Âge de la population des Collines-de-l'Outaouais



Industrie de travail en 2011	Nb.
Gestion	3 185
Affaires, finance et administration	5 660
Sciences naturelles et appliquées et domaines apparentés	1 880
Santé	1 570
Enseignement, droit et services sociaux, communautaires et gouvernementaux	3 460
Arts, culture, sport, loisirs	885
Vente et services	4 740
Métiers, transport, machinerie et domaines apparentés	4 585
Ressources naturelles, agriculture et productions connexes	240
Fabrication et services d'utilités publiques	405
Professions	310

ENTREPRENEURIAT	Cantley	Chelsea	L'Ange-Gardien	La Pêche	Notre-Dame-de-la-Salette	Pontiac	Val-des-Monts	MRC
Nb. d'entreprises de 5 employés ou plus	21	34	16	63	6	26	26	192
Nb. de travailleurs autonomes	810	650	325	735	60	320	815	3 715
Nb. d'entreprises culturelles	75	133	10	136	8	24	73	459
Nb. de fermes	10	-	35	57	15	79	25	221

2. LOCAL MUNICIPALITIES AFFECTED BY THE RMMP

- The RMMP applies to all 7 local municipalities: Cantley, Chelsea, L'Ange-Gardien, La Pêche, Notre-Dame-de-la-Salette, Pontiac and Val-des-Monts
- The RMMP only applies to the territory of the MRC
- None of the local municipality will take part in any of the neighboring MRC management plan



3. Portrait of current management and inventory of residual materials

Figure 3.1 2013 Collection services results

Waste collection

Municipalities	Cantley	Chelsea	L'Ange-Gardien	La Pêche	N.-D.-de-la-Salette	Pontiac	Val-des-Monts
Number of collections/yr	32	26	26	32	26	26	26
Costs(\$/yr)	298 408 \$	154 889 \$	163 558 \$	375 082 \$	27 184 \$	141 400 \$	578 515 \$

Recyclable collection

Municipalities	Cantley	Chelsea	L'Ange-Gardien	La Pêche	N.-D.-de-la-Salette	Pontiac	Val-des-Monts
Number of collections /yr	32	26	26	26	26	26	26
Bin 360l. (mixed)	yes	yes	yes	yes	yes	yes	yes
Costs(\$/yr)	397 931 \$	154 889 \$	163 558 \$	296 887 \$	27 184 \$	141 400 \$	385 652 \$

Figure 3.2: Assessment of waste transfer plan, transport and elimination of residual materials in 2013

Municipalities	Cantley	Chelsea	L'Ange-Gardien	La Pêche	N.-D.-de-la-Salette	Pontiac	Val-des-Monts
Tonnage (m/yr)	2 527	2 158	1 235	3 005	234	1776	3895
Transfer and disposal costs (\$/t)	15	15	15	15	15	15	15
Transportation costs (\$/t)	37.04	37.04	37.04	37.04	37.04	37.04	37.04
Elimination costs (\$/t)	55.04	55.04	55.04	55.04	55.04	55.04	55.04
Elimination charges (\$/t)	22.14	22.14	22.14	22.14	22.14	22.14	22.14
Total (\$/t)	129.22	129.22	129.22	129.22	129.22	129.22	129.22
Total (\$/yr)	326 539	278 857	159 586	388 306	30 237	229 495	503 312

3.3 Inventory of residual materials by area and by type for 2013

The MRC's annual statistics were used in the production of this data which was generalized by using the «residual material inventory tool, developed by Chamard and associates for the benefit of Recyc-Québec, for the elaboration of RMMPs».

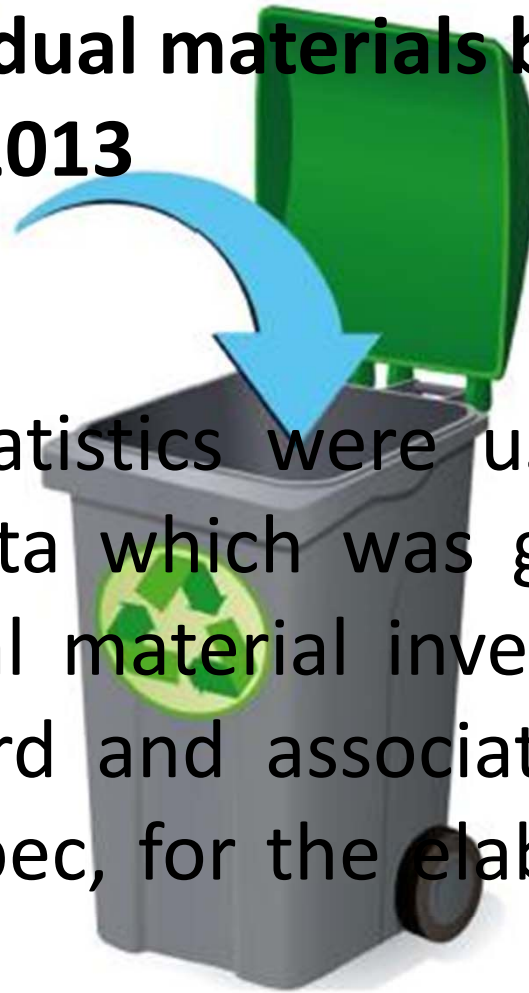


Figure 3.6 Estimated content of residential residual materials

	Recycled	Eliminated	Generated
Paper and cardboard	3 070 t	1 224 t	4 294 t
Metal	191 t	256 t	447 t
Plastic	482 t	944 t	1 426 t
Glass	805 t	326 t	1 131 t
Branches and Christmas trees	0 t	0 t	0 t
Green waste	68 t	3 337 t	3 405 t
Food waste	200 t	4 004 t	4 204 t
Other organic residue	0 t	2 718 t	2 718 t
Used vehicles	2 280 t	0 t	2 280 t
Textiles	161 t	531 t	692 t
Discharges at sorting center	0 t	450 t	450 t
Household hazardous waste (HHW)	8 t	26 t	34 t
Metal bulk waste	1 072 t	93 t	1 165 t
Non metallic bulk waste	200 t	105 t	305 t
Final waste	0 t	111 t	111 t
TOTAL (excluding sewage)	8 537 t	14 125 t	22 662 t

Figure 3.7 Estimated content of residual materials of the industrial, commercial and institutional (ICI) sector

	Recycled	Eliminated	Generated
Paper and cardboard	4 065 t	2 355 t	6 420 t
Metal	255 t	319 t	574 t
Plastic	255 t	1 131 t	1 386 t
Glass	183 t	473 t	656 t
Food processing industries	770 t	48 t	818 t
Green residue (t)	0 t	373 t	373 t
Food waste	0 t	2 596 t	2 596 t
Organic residue	0 t	539 t	539 t
Discharges from ICI recyclable materials	0 t	471 t	471 t
Discharges of organic waste collection from ICI	0 t	0 t	0 t
Discharges of metals recyclers (bulky refuse and used vehicle)	0 t	1 569 t	1 569 t
Final waste	0 t	299 t	299 t
TOTAL	5 528 t	10 173 t	15 701 t

Figure 3.8 Estimated content of residual materials of the Construction-Renovation-Demolition (CRD) sector

	Recycled	Eliminated	Generated
Concrete aggregate	18 991 t	1 172 t	20 163 t
Gypsum	43 t	1 142 t	1 185 t
Asphalt shingles	116 t	956 t	1 073 t
Other	0 t	987 t	987 t
Construction wood	4 502 t	2 495 t	6 996 t
Industrial processed wood residues	0 t	0 t	0 t
TOTAL	23 652 t	6 752 t	30 404 t

4. Inventory of organizations, businesses and recovery plants, recycling or disposal of residual materials

Entreprise	Type d'organisme et d'activité	Type de résidus
Batteries Expert 141, boulevard Gréber Gatineau J8T 3R1 Téléphone : 819-243-7453 www.batteriesexpert.com/fr/	Entreprise privée Récupération	Piles et batteries
B.S.R.B. Matériaux Inc. 1011, ch. De Masson Gatineau J8M 1R4 Téléphone : 819-986-3361 www.rona.ca/fr/Bsrb-materiaux-gatineau	Entreprise privée Récupération	Ampoule fluocompacte et fluorescente, peinture
Best Buy 920 boulevard Maloney Ouest Gatineau J8T 3R6 Téléphone : 819-966-2222 www.bestbuy.ca/	Entreprise privée Récupération	Résidus électroniques et produits technologiques, téléphones cellulaires et des piles

5. Statement of guidelines and goals in terms of recovery, recycling and disposal of residual materials

The MRC endorses the objectives of the *Politique québécoise de gestion des matières résiduelles - Plan d'action 2011-2015*.

Detailed goals of the action plan are :

- **Recycle 70 % of paper, cardboard, plastic and metal**
- **Recycle 60 % of organic waste**
- **Recycle 80 % of concrete residues, brick and asphalt**
- **Sort or recycle 70 % of construction , renovation or demolition debris**



Figure 5.1 : Detailed RMMP goals based on the objectives of the action plan and on the data in charts 3.6, 3.7 and 3.8

Category of materials	Generated (t.)	Objectives (t.)	Recycled (t.)	RMMP Goal (t.)
Glass, plastic, metal, paper, cardboard (70 %)	16 334	11 433.8	9306	2127.8
Organic waste (60 %)	13 835	8301	268	8033
Concrete residues, brick and asphalt (80 %)	20 163	16 130.4	18 991	-2860.6
CRD in the construction sector (70 %)	10 241	7168.7	4661	2507.7

Figure 5.2 Other goals of the 2005 RMMP

Category of materials	Recovery Goals
Returnable containers (Deposit)	80 %
Bulky refuse	60 %
Textiles	50 %
Household Hazardous Waste (HHW) (paints, oils and pesticides)	75 %

Guidelines

In order to achieve its goals, the MRC followed a series of guidelines that lead to the development and implementation of its Residual Materials Management Plan (RMMP)

- Develop a residual waste management plan that meets the needs and take into consideration the obligations of the local municipalities
- Centralizing the responsibilities of the residual waste management to the MRC while allowing freedom to the local municipalities to manage the services offered within the RMMP
- Keeping the costs of waste management to an acceptable levels for taxpayers, considering the government's objectives
- Foresee the standardization of the municipal by-laws relating the RMMP



Guidelines (suite)



- Promote regional sharing of treatment and disposal of residual materials facilities
- **Plan** the residual management plan taking into account the forthcoming **banishment** of landfilling of paper/cardboard, wood and putrescible organic materials by 2020
- The RMMP must include IZÉ measures for different categories of residual materials and for various clienteles
- Promote residual waste management by complying with the 3RV-E steps in the following order : reduce, re-use (recycle, recuperate and eliminate) , as defined in Article 53.4.1 of the LQE
- Eliminate only the final waste from all the residual waste

6. Description of measures planned in the RMMP



6.1 Elimination

- Collaborate in the regional consultations (2016-...)
- Proceed by a call for tenders for the elimination and transportation contracts (2018)
- Maintain the waste transfer center



6.2 Recyclable materials

- Improve residential participation with information and awareness programs
- Promote the economy by recycling amongst business.

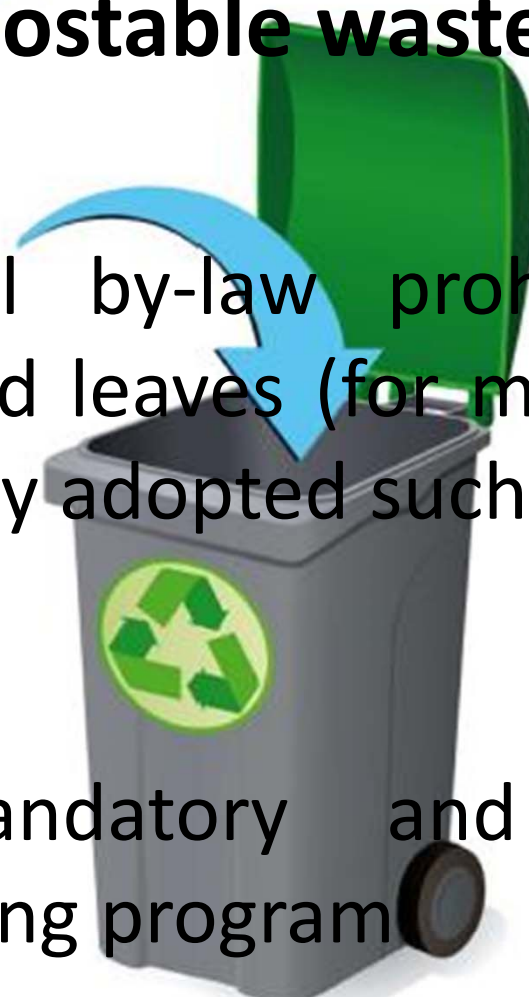


6.3 Compostable waste

- Adopt a municipal by-law prohibiting the disposal of grass and leaves (for municipalities who have not already adopted such a by-law)

and

- Implement a mandatory and organized household composting program




6.3 Compostable waste

OR

- Implement a collection or co-collection door-to-door for compostable waste (leaves, grass, kitchen waste) accompanied by an industrial recycling agreement
- If necessary, proceed with a call for tenders for the purchase of compostable processing services
- If necessary, proceed with modifications to the waste transfer center in order to separate the waste and the compostable waste



6.4 Household hazardous waste (HHW)

- Implement a recovery point for the household hazardous waste by municipality
- or
- Offer 2 collections of HHW per year (one in the spring and one in the fall)
- Or
- Offer door-to-door collection, at least once a year, in all sectors of a municipality
- 
- A grey trash bin with a recycling symbol on its side, set against a background of green leaves and a circular green arrow.

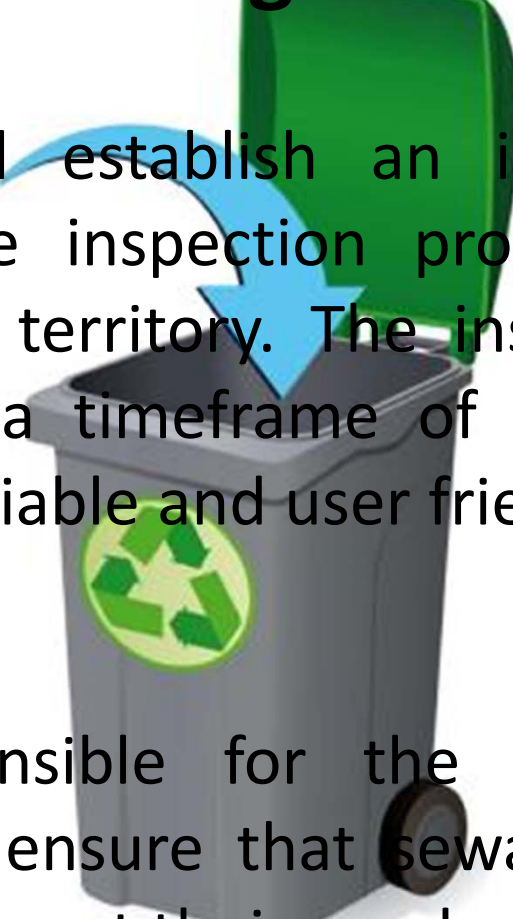
6.5 Recovery of textiles, bulky refuse, tires, construction and demolition waste

- Installation of 3 HHW depots/ecocenters on the MRC territory
- Work with local municipalities and businesses in order to develop a local market for the recovery and recycling of this type of waste



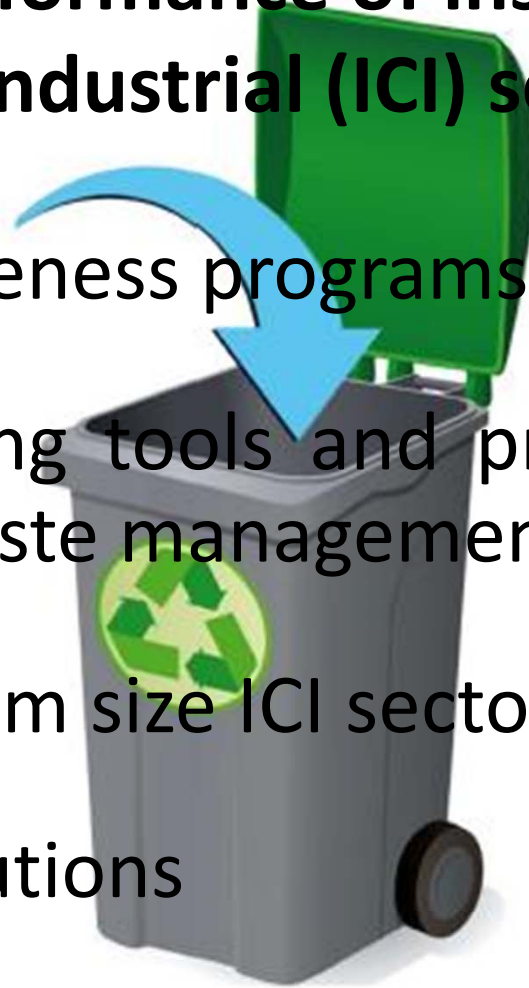
6.6 Septage management

- Each municipality should establish an inventory and environmental compliance inspection program for the septic installations on its territory. The inspection cycle should be completed in a timeframe of 4 years. Data should be collected in a reliable and user friendly database (a full cycle by 2020)
- Municipalities are responsible for the septic sludge management. They must ensure that sewage treatment plants remain available to meet their needs



6.7 Improving the performance of institutional, commercial and industrial (ICI) sectors

- Information and awareness programs
- Information on existing tools and programs in regards to residual waste management for ICI
- Consultation of medium size ICI sector
- Development and solutions
- Facilitate networking of the ICI sectors in order to reduce the elimination of their waste



6.8 Improve the performance in the Construction-Renovation-Demolition (CRD) sector

- Establishment of 3 depots / ecocentres (See item 6.5)
- Development of regional alternatives to landfill (CRD) waste with companies working in that sector
- Encourage the development of CRD residuals by including these requirements to the building permit procedure



7. PLAN

Figure 7.1 Implementation schedule

Actions	2016	2017	2018	2019	2020
6.1 Waste elimination					
Regional consultation and solution development	Ongoing				
6.2 Recyclable materials					
Information and awareness programs	Ongoing				
Integration of recycled materials in municipal and construction contracts	Ongoing				
6.3 Compostable materials (PRIORITY 1)					
By-law prohibiting the disposal of grass and leaves	Coordination	Completion			
Option 1 : Mandatory and organized household composting program	Planning	Implementation	Trial period and follow-up	Follow-up and reinforcement	Continuing or stopping
Option 2 : Collection or co-collection door-to-door for compostable waste and industrial recycling					Planning and implementation

7. IMPLEMENTATION PLAN

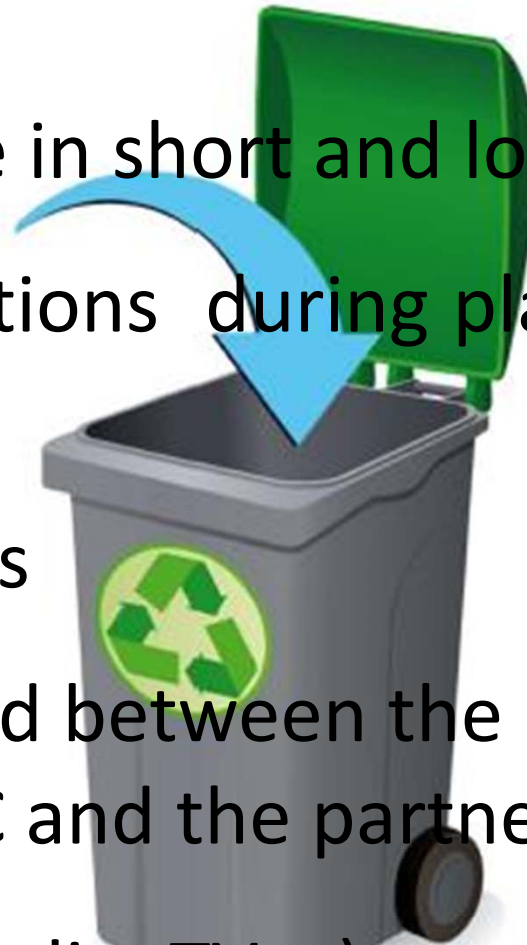
Actions	2016	2017	2018	2019	2020
6.4 Household hazardous waste (HHW)					
Option 1 : A recovery point for HHW in each municipality Option 2 : Two (2) collections of HHW per year Option 3 : Door-to-door collection of HHW per year in every sectors of the municipality	Planning	Implementation	Completion		
6.5 Recovery of textiles, bulky refuse, tires, construction and demolition waste					
Installation of 3 depots/ecocentres on the MRC's territory		Planning	Construction ecocentre 1	Construction ecocentre 2	Construction ecocentre 3
Work with municipalities and businesses for the development of a local market for the recovery and recycling of these waste	Ongoing				
6.6 Septage Management					
A complete cycle of inspections of septic tanks should be completed in all municipalities, no later than December 31 st , 2020	Ongoing				
The municipalities must ensure that sewage treatment plant remain available to meet their needs	Ongoing				

7. IMPLEMENTATION PLAN

Actions	2016	2017	2018	2019	2020
6.7 Improve the performance of institutional, commercial and industrial (ICI) (PRIORITY 3)					
Information and awareness programs	Ongoing				
Information on existing tools and programs in residual waste management for ICI	Ongoing				
Consultation of medium size ICI sector	Consultation	Consultation			
Development and implementation solutions	Planning	Planning	Implementation	Implementation	Implementation
Facilitate networking of the ICI to reduce the elimination of these waste	Ongoing				
6.8 Improve the performance of the Construction-Renovation-Demolition (CRD) sector (PRIORITY 2)					
Establishment of three (3) depots / ecocentres (item 6.5)		Planning	Construction ecocentre 1	Construction ecocentre 2	Construction ecocentre 3
Develop regional alternatives to landfill waste with companies working in that sector	Ongoing				
Encourage CRD residuals development by including these requirements in the procedure when issuing construction permits	Planning	Planning	Implementation		

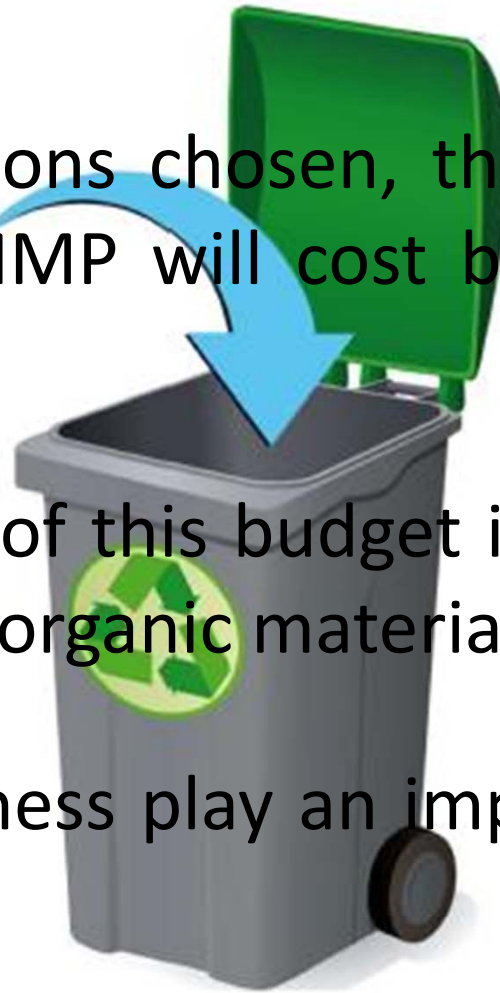
7.2 COMMUNICATION PLAN

- Significant importance in short and long term
- Communication by actions during planning and implementation
- Yearly communications
- Responsibilities shared between the municipalities, the MRC and the partners
- Multiplatform (web, radio, TV ...) strategy



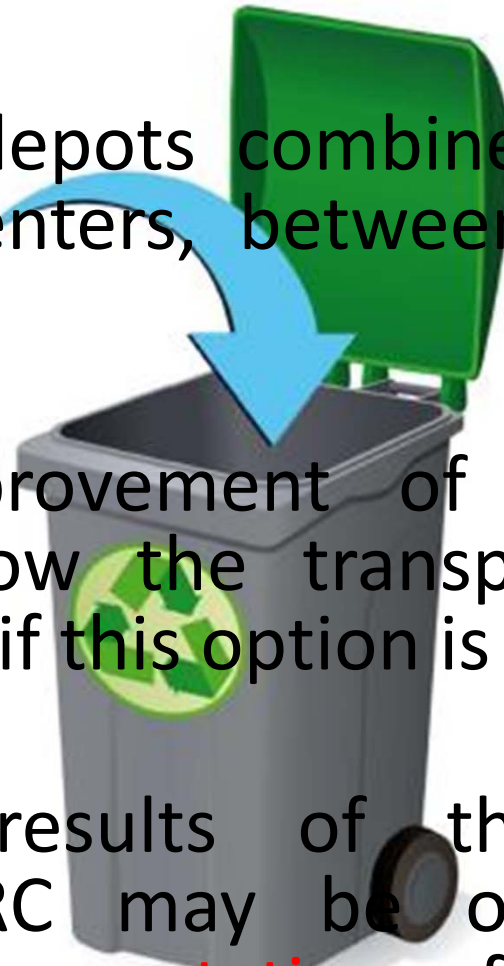
8. BUDGET

- Depending of the options chosen, the proposed the actions in this RMMP will cost between 4.5 and 7.7 million dollars
- Between 70 and 75 % of this budget is dedicated to the management of organic material
- Ecocentres and awareness play an important role in the remaining 25%
- The financing method is left to the discretion of the MRC and local municipalities



Assets required

- The creation of RDD depots combined with the development of eco-centers, between 2016 and 2020
- Modification and improvement of the waste transfer center to allow the transportation of compostable materials (if this option is chosen)
- Depending on the results of the regional consultations, the MRC may be obligated to participate in the **implementation** of a ultimate waste disposal facility. However, it should not be considered before the end of the RMMP



9. Surveillance and monitoring of the RMMP

- The remittance of the provided for in the « *Programme sur la redistribution aux municipalités des redevances pour l'élimination de matières résiduelles* » is conditional to the transmittal of an annual RMMP follow-up report to the Minister of the MDDELCC
- The RMMP monitoring report on the implementation and the demography, disposal and recycling annual statistics must be tabled before June 30 of each year
- A technical committee will be formed to ensure the coordination of the implementation of the RMMP. This committee will be composed of municipal and MRC personnel responsible for environmental issues in the municipalities and in the MRC. It shall meet minimally once a year and produce a written report

