



The CBN's Annual Cross-Country Check-Up : Quebec

HOT PROPERTIES

CANADIAN BROWNFIELDS 2008

TORONTO

MARCH 23rd

Direction des politiques en milieu terrestre

**Développement durable,
Environnement
et Parcs**

Québec 

Foster
Brownfields
Revitalisation

MANAGE REGULATORY RISKS

PUT IN PLACE ECONOMIC TOOLS

•Revi Sol (1998-2005)

SUSTAINABLE
LAND
MANAGEMENT

- 1998–2005
- 114 millions \$ governmental grants available (70/50 % reimbursement of total assessment and cleanup cost)
- For :
 - Any contaminated site owners (including polluters) having a (concrete) building project (the site must be located in an «urban» area or;
 - Municipalities redeveloping a contaminated site which will foster the surrounding area redevelopment (river banks, parks, etc.).

- 305 projects accepted
- Surface redeveloped :
 - > 3 millions square meters
- Government loans : 106,4 M\$ (March 2006)
- Development projects investment :
 - 3,8 G\$
- Yearly municipal tax generated on cleaned up properties: : 94,6 M\$

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•ClimatSol (2007-2010)

SUSTAINABLE
LAND
MANAGEMENT

- 2007-2010
- 3 years governmental grants program (50 millions\$)
 - Montréal 25M\$
 - Quebec City 5M\$
 - Other Municipalities 20M\$
- Target urban sites (municipalities and private parties) (as Revi-Sols)
- Concrete development projects (as Revi-Sols)

- 50/30 % reimbursement of total cleanup cost;
- Integrate green technologies to construction projects (building's energy efficiency);
- Maintain or create wooden or «green» surfaces (in and next to building as well as in parks).

To date:

- 47 projects received
 - 8 assessments (mun.)
 - 39 rehabilitation/revitalisation
 - 28 (mun.)
 - 10 (private)
 - 1 rejected
- Coming from:
 - Montreal (20 R.)
 - Quebec City (600 000 inhabitants) (8 A., 5R)
 - 11 other cities (14 R.)

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SUSTAINABLE
LAND
MANAGEMENT

No
Uncontrolled
Disposal
of Soils

TREATMENT

•Ex situ

- From 1991, a contaminated soil treatment centres network has been put in place
- Around 400 000 tons of contaminated soil are yearly treated (thermal, biodegradation, solidification).
- The treatment centres (30) list and coordinates are on the Ministry Internet Site
- Since 2003, it is compulsory to treat excavated contaminated soils (>D), if a suitable treatment technology is established (in the province)

➤ Currently working on

- Fill the gaps
- Implement more on site material segregation to reduce contaminated soil volumes (transport and treatment)

DEGRADED SITES

- Mines
- Rock Quarries
- Municipal Landfills

RECYCLING IN INDUSTRIAL PROCESS

INFRASTRUCTURE

- Roads
- Sound and Visual Barriers

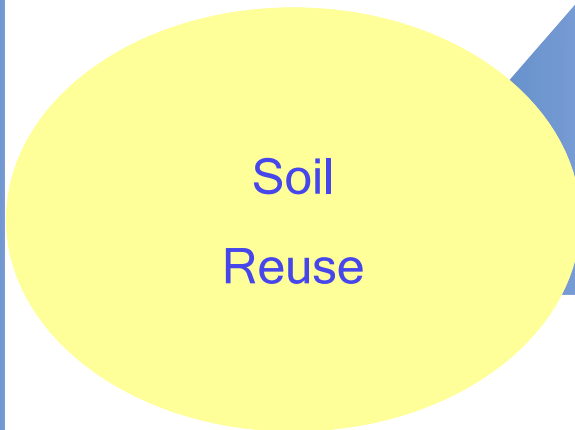


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TREATMENT

•Ex situ

•In situ

SECURE LANDFILLING