

Modernization of the registration system on public land

Registre du domaine de l'État

The Register of the Domain of the State



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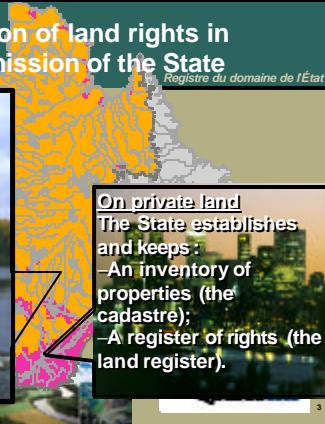
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The protection of land rights in Québec: a mission of the State

Registre du domaine de l'État

On public land

The Surveyor General :
– Records and marks boundaries with other jurisdictions ;
– Surveys land in the domain of the state (boundaries between public and private land);
– Keeps the official Register of land in the domain of the State.



On private land

The State establishes and keeps :
– An inventory of properties (the cadastre);
– A register of rights (the land register).

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Public land in Québec it is ...

Registre du domaine de l'État

- 92 % of the territory including :
 - Lands and interior water: 1 397 218 km²
 - Marine territories: 153 313 km²
- More than 200 000 active rights, constraints and protected areas ;
- More than 10% of Québec economic activity



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Problems on public land

Registre du domaine de l'État

Context :

- Many departments and public agencies according rights or establishing constraints and protected areas
- Large variety of rights and risks of unexpected overlaps
- Scattered land information in many registers
- Insufficient tools to have a complete vision



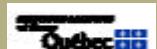
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Problems on public land

Registre du domaine de l'État

Consequences :

- Lack of consistency sometimes in government actions on land
- Possible awarding of conflictual rights with risks of complaints and legal proceedings
- Land information data hard and costly to obtain without any garanty of reliability



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Modernization of the registration system on public land

Registre du domaine de l'État

Objectives :

- Set up a computerized register to constitute an official, complete and integrated source for all information concerning rights in public land
- Promote the coherent management of public land
- Prevent the granting of conflicting rights
- Constitute an inventory of all the properties owned by the government
- Facilitate access to information about rights in public land



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The Register of the Domain of the State

Registre du domaine de l'État

The main features of the register are :

- Simple access (via Internet) and safe operation (public-key government infrastructure)
- Input on an ongoing basis by government departments and bodies
- Input from the Land Register and the cadastral division concerning purchases and sales by the State (to create and up-date the inventory of states properties)
- Access based on spatial reference data



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The Register of the Domain of the State

Registre du domaine de l'État

Main principles :

- No change in the responsibilities of Government departments and bodies – They must ensure that the rights they grant are legal and compatible with other existing rights.
- Only a standardized summary information on rights and constraints (including location) is recorded in the RDE
- Requests for registration must :
 - come from issuers duly accredited with the Office of the Surveyor General
 - comply with the established exchange specifications
 - be signed electronically.



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The Register of the Domain of the State

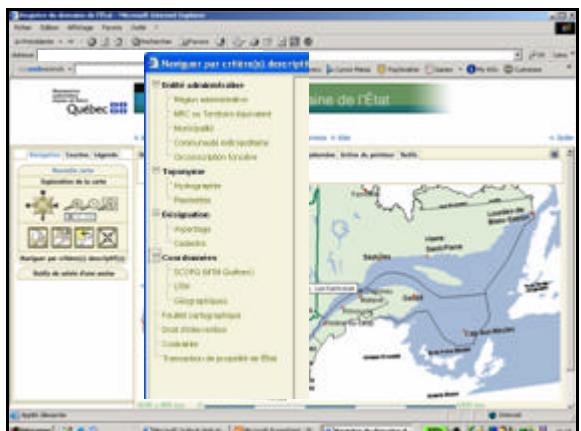
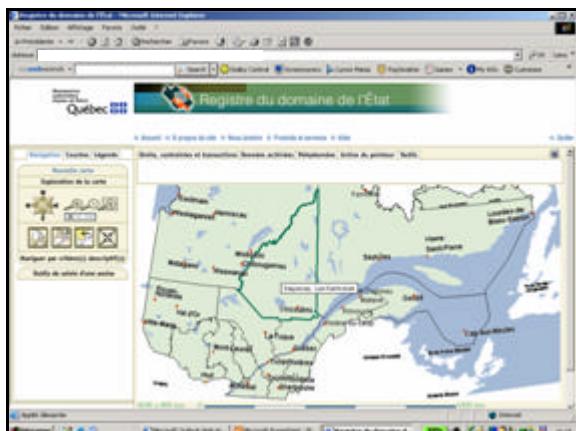
Registre du domaine de l'État

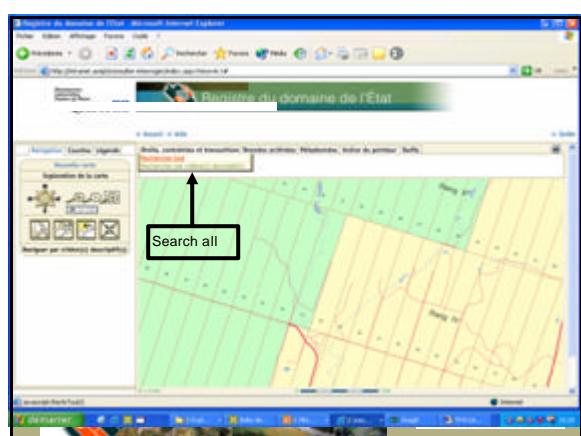
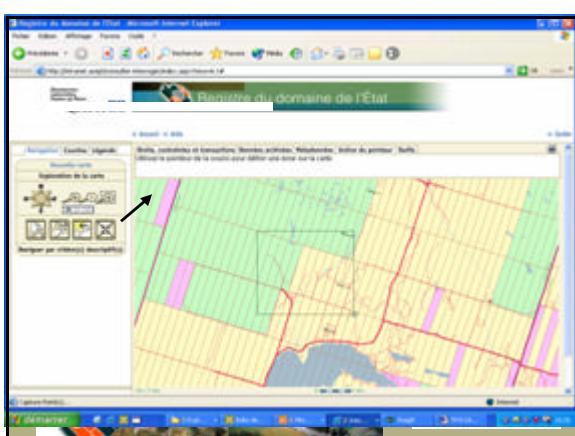
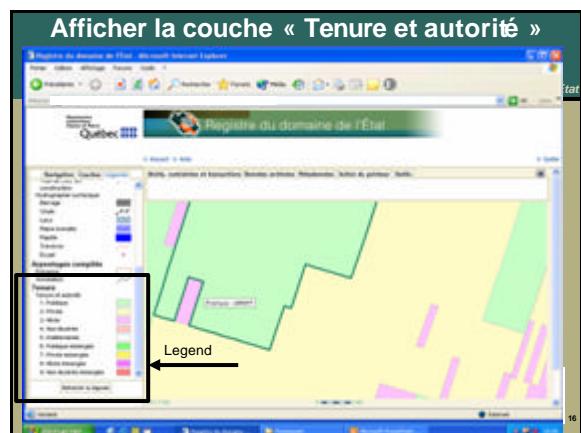
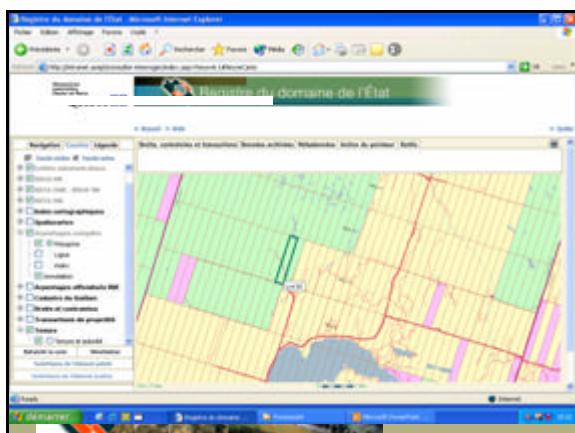
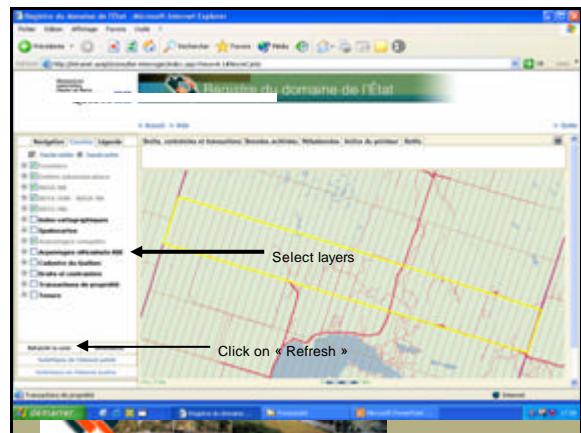
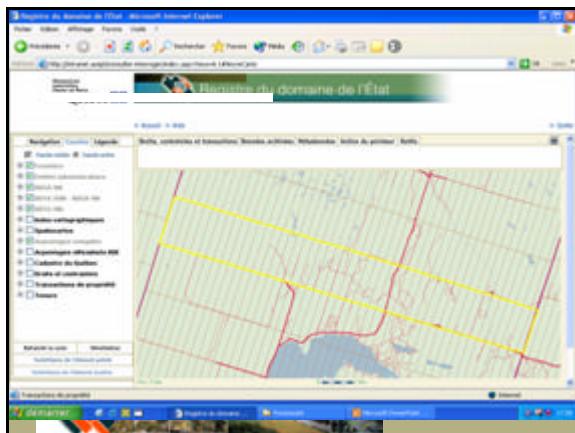
The new register contains the following information :

- Private and public ownership of land (tenure).
- Transactions concerning public land (via an automated link with the Québec Land Register (private territory)
- A the inventory of properties within the Cadastre of Québec and belonging to Québec government
- Rights of use granted by the State and constraints and protected areas established by the State
- All land surveys officialized after the establishment of the new register
- Archive data from the former register



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Rechercher droits, contraintes et transactions

The screenshot shows a search results page for rights and constraints. A black box highlights the 'Search results' section, which contains a list of items such as 'Population des réserves naturelles - 00001 (2)' and 'Population des réserves naturelles - 00002 (2)'. Below this is a map of Quebec with several green and red areas highlighted.

Rechercher droits, contraintes et transactions

This screenshot shows the 'Locate all' search results page. A black box highlights the 'Locate all' button, which is located next to a list of items. The items listed are identical to those in the previous screenshot: 'Population des réserves naturelles - 00001 (2)', 'Population des réserves naturelles - 00002 (2)', and 'Population des réserves naturelles - 00003 (2)'.

Rechercher droits, contraintes et transactions

This screenshot shows the 'Show descriptive data' page. A black box highlights the 'Show descriptive data' button, which is positioned over a map of Quebec. The map displays various land parcels with green and red outlines.

Afficher la fiche descriptive d'un droit

This screenshot shows the 'Right description card' page for right number 1965. A black arrow points to the right number '1965' in the top left corner of the card. The card displays detailed information about the right, including its nature ('Aire'), description ('Description nominative de la droit'), and transaction details ('Type de transaction : Entrepôt de titulaire').

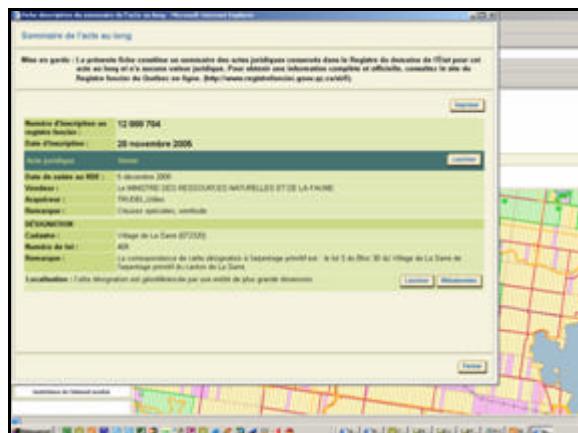
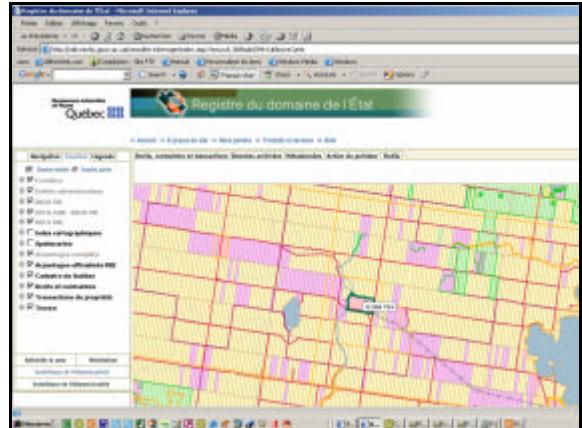
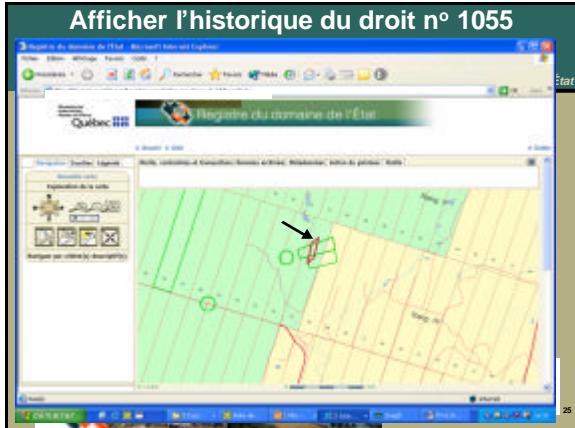
Afficher la fiche descriptive d'un droit

This screenshot shows the 'Right description card' page for right number 1965-1. A black arrow points to the right number '1965-1' in the top left corner of the card. The card displays detailed information about the right, including its nature ('Aire'), description ('Description nominative de la droit'), and transaction details ('Type de transaction : Entrepôt de titulaire').

Afficher la fiche de l'historique d'un droit

This screenshot shows the 'Right history card' page for right number 1965-1. A black arrow points to the right number '1965-1' in the top left corner of the card. The card displays a historical record of the right, including its nature ('Aire'), description ('Description nominative de la droit'), and transaction details ('Type de transaction : Acquisition').

Afficher l'historique du droit n° 1055



The Register of the domain of the State A colossal task

Registre du domaine de l'Etat

- Duration of realization (administrative conception, architecture, development, implementation) : 5 years
- At the height of the operation, over 70 people were working on the project
- Development efforts : 50 000 person days
- Costs of realization: 18 millions dollars.



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The Register of the domain of the State Results obtained

Registre du domaine de l'Etat

The new Register :

- Simplify processes
- Increase productivity
- Improve coherency in government actions
- Improve access to information
- Give more accurate information
- Improve service delivery
- New possibilities



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The Register of the domain of the State Still to do ...

Registre du domaine de l'Etat

- Complete the registration of active rights (initial loading)
- Make adopt legal changes which will specify the content of the register and the obligation of registration ;
- Make the register available to the public in general (actually only available for the public sector).



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Some success key factors

Registre du domaine de l'État

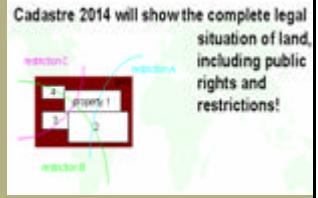
- Clear support of the authorities
 - Main managers engaged full time in the project
 - Good planning and follow-up of implementation and communication strategies
 - Excellent team to ensure the quality of the solution developed
 - The development team should count on available managers to give a clear vision of needs.



A concrete example of the Cadastre 2014

Registre du domaine de l'État

- FIG Commission 7 has described its vision of the cadastre of the future, known as Cadastre 2014.
 - This sets out the full legal situation of a given territory, including rights and restrictions of public right, and abolishes the separation between maps and registers.
 - The Register of the Domain of the State is therefore a concrete example of the Cadastre 2014 approach, as applied to public land.



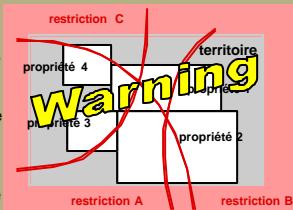
Source : FIC



A concrete example of the Cadastre 2014

Registre du domaine de l'État

- Major issues regarding The Cadastre 2014 Concept :
 - Lack of consistency between multi-sources / multi-producers data ;
 - Variable precisions ;
 - Different positioning for a same limit ;
 - May arouse questions from users ;
 - Precautions to take before giving access to the public



Source : FIG



Merci
Thank you
Danke

Registre du domaine de l'État



The Register of the domain of the State

A colossal task

Registre du domaine de l'État

For the business domain

- overall and detailed planning of the project
 - consideration of concerns relating to access to information and the protection of personal information
 - determination of the rights to be included in the Register
 - drafting of the required legislative amendments
 - design and implementation of strategies :
 - to manage change
 - to ensure the support of issuers for the new Register,
 - to prepare data for the initial loading of issuer information into the Register
 - to build the systemic solution needed to support the Register and put the website on line



The Register of the domain of the State A colossal task

Registre du domaine de l'État

For the development of the computer system:

- design of the overall system architecture (work, processing, data, technology)
- acquisition, installation and management of the technological infrastructure
- system development, operation and maintenance
- adaptation of the computer systems of rights issuers
- adaptation of the computer system used to support other register to enable exchanges with the RDE: cadastre, land register



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