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ICAP CCS paper launch

Québec's perspective



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Monitoring, Reporting, Verification (MRV)

- Done through the Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere.
 - Voluntary approach (1985-2007)
 - Publication of the Regulation respecting mandatory reporting in 2007
 - Reported: emissions, production and raw materials data, fuel consumptions, emission factors, etc
 - Québec joined the Western Climate Initiative (WCI) in 2008
 - WCI adopted common reporting requirements in 2009
 - Major modifications allowing the implementation of a GHG cap and trade system (2010)

Monitoring, Reporting, Verification (MRV)

- Regulation respecting mandatory reporting
 - 10,000 metric tons CO₂ equivalent (mt CO₂ eq.) threshold
 - Mandatory quantification protocols (34)
 - Supports the cap-and-trade (25 000 mt CO₂ eq. threshold) system by collecting all required data
 - Mandatory third-party verification (ISO 14064-3, VB accredited to ISO 14065) if in the cap and trade

Monitoring, Reporting, Verification (MRV)

- Regulation respecting mandatory reporting
 - Defines emissions to be covered if in the cap and trade:
 - Total emissions **excluding**:
 - CO₂ from biomass, Coal storage, Mobile equipment **, Landfills
 - **Emissions captured, stored, re-used or transferred out of a covered establishment**

** Covered by distributors

Carbon Capture, Storage, Utilisation (CCSU)

- Emissions captured, stored, re-used or transferred out of an establishment are excluded from the total emissions that the establishment has to cover
 - Incentive to implement CCSU applications
- Currently, CCSU treated on a case-by-case basis:
 - Establishment must submit on request any information, calculations, assessments, measurements and other data on which reported emissions are based
 - Approach could be improved, but flexible and operational

Carbon Capture, Storage, Utilisation (CCSU)

- Currently, CCSU is "marginal":
 - Utilization: ≈ 100 kt CO₂ / year (delayed emissions, unknown uses)
 - Storage: ≈ 15 kt fossil CO₂ / year (mineral carbonation, CaCO₃)
 ≈ 55 kt biogenic CO₂ / year (mineral carbonation, CaCO₃)

Ongoing reflections

- Fix mandatory reporting regulation to facilitate/clarify reporting of exclusions (i.e. captured, stored, re-used or transferred)
- Mandatory reporting for receivers of transfers (no threshold)
- Financial incentives for reduction projects
 - Currently, establishment having initially generated the emissions gets the incentive
- Permanence

Merci!

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