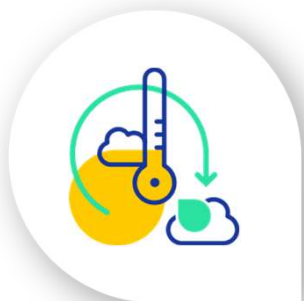




WASTE & CLIMATE
CHANGE

CARBON SINK



CANADA - Quebec



Biochar to regenerate soil health

Pyrolysis conversion of unused biomass into biochar and bioenergy



Biochar application in soil stores carbon while improving soil health and productivity.

The first of its kind plant is set up in Quebec:

- Phase 1: 10 kT biochar/y by end 2024
- Phase 2: ramp-up capacity up to 30 kT biochar/y

SUEZ has the ambition to sequester 800,000 t CO_{2eq}/y by 2035.

→ [Carbonity - Décarboner grâce au pouvoir du biochar](#)



CLIMATE BENEFIT:

- > 1 ton of biochar produced
~ 2.7 ton of net CO₂ sequestered

- > Green energy production
~ 50 GWh/y of bioenergy in excess for a 20kt/y biochar plant

CO-BENEFIT:

- > Regenerate soil biodiversity and productivity
- > Improve and sustain soil health



COP28
UAE