Pathways Explorer
Explorateur de trajectoires

Official launch

5 July 2023

Project partners

Design and coordination

IET INSTITUT DE L'ÉNERGIE TROTTIER

Modelling

ESMIA Energy Super Modelers and International Analysts

Data visualization

kashika studio

This project was partially funded by the Government of Canada

Why more modelling?

The Net-Zero Challenge

"Charting Canada's path to net zero emissions by 2050 requires a solid, evidence-based understanding of many complementary pathways and policy options. More data-driven modelling can only help us as Canadians choose the most efficient, affordable and effective trajectories to a cleaner future."

The Honourable Steven Guilbeault

Minister of Environment and Climate Change

Source: https://www.canada.ca/en/natural-resources-canada/news/2023/06/government-of-canada-invests-in-energy-modelling-tools-to-support-emissions-reductions.html

navius research

Canadian Energy Dashboard

PEMBINA institute

Energy Policy Simulator

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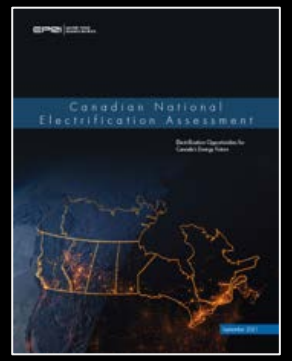
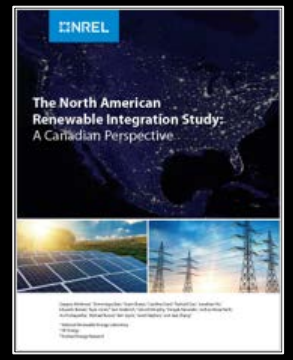
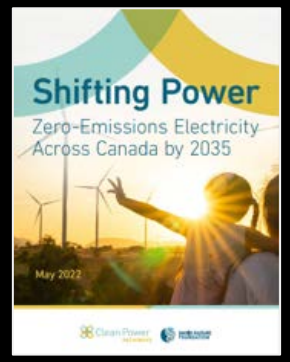
Pathways Explorer

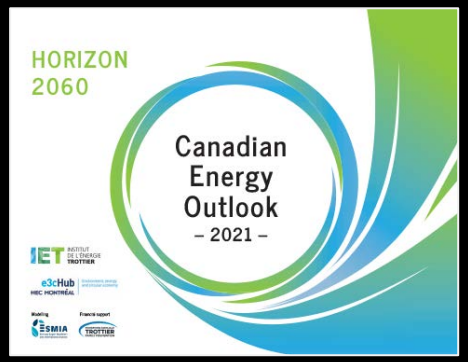
A diversity of initiatives

Publications









Structures

CCEI

CARREFOUR DE MODÉLISATION ÉNERGÉTIQUE
ENERGY MODELLING HUB

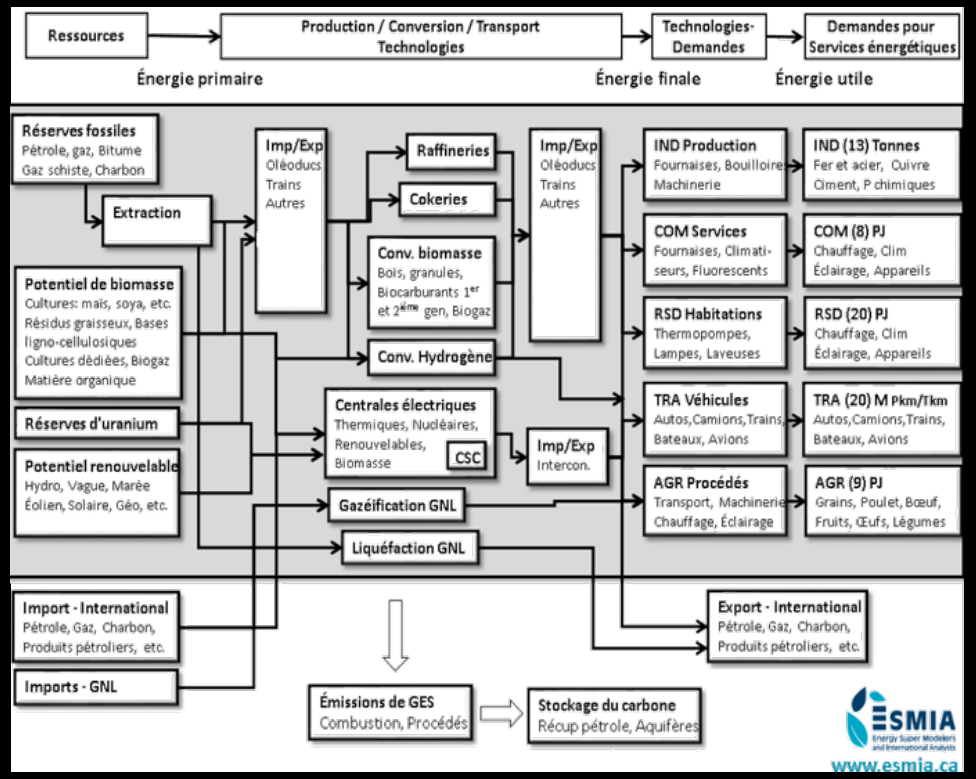
CANADIAN CLIMATE INSTITUTE
L'INSTITUT CLIMATIQUE DU CANADA

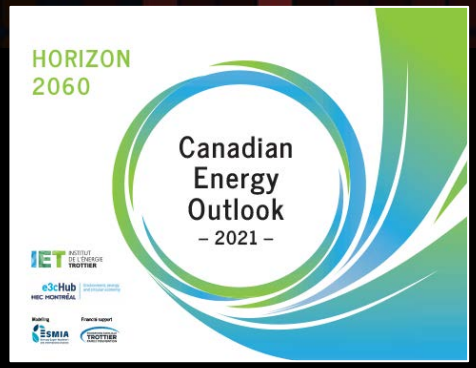
Why this tool?

3-second version

Compare different pathways to expose tradeoffs

3-minute version





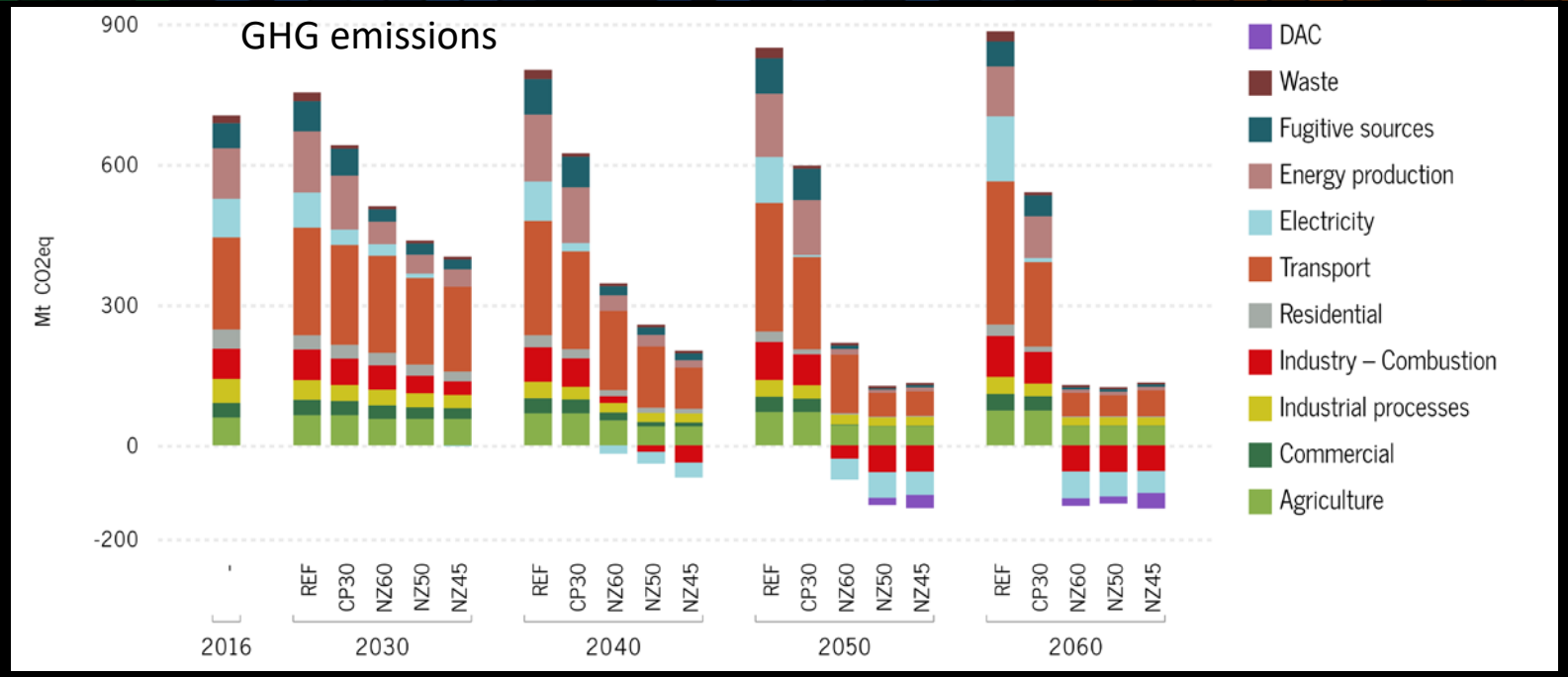
NATEM

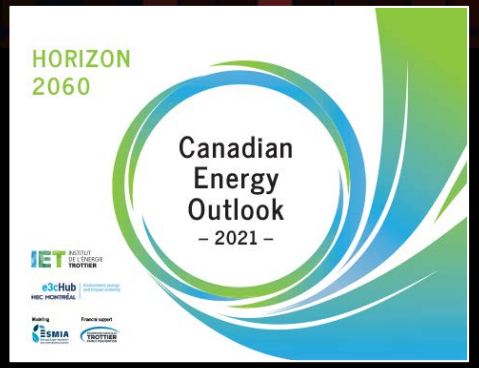
- System representation
- Technology explicit
- Cost optimization

➢ Present a broader variety of data

➢ Ease their interpretation

3-minute version /2





- Present more scenarios
- Ease comparison between pathways

30-minute (or less…) version

Demo

Q&A

Kathleen Vaillancourt – ESMIA

François Lévesque – Kashika Studio

Simon Langlois-Bertrand – IET

Louis Beaumier – IET

What’s next?

Current project

- Scenario update
- New analyses
- Addition of indicators

Possible projects

- Results from other models
- Open access to the platform

Thanks

ESMIA, for the modelling effort

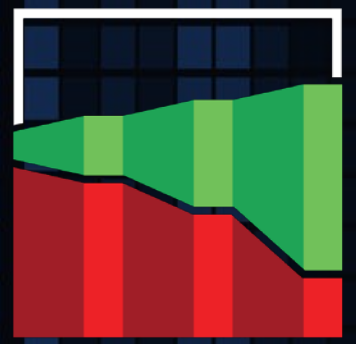
- Mathilde Bourque
- Marie Pied
- Kathleen Vaillancourt

Kashika studio, for the creative spirit

- Thomas Hurtut
- François Lévesque

NRCan, for the unwavering support

- Harris Berton
- Peter Massie



Pathways Explorer

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Thank you

https://pathways-trajectoires.ca