3 Thursdays in November at 7:30 PM

November 11: Financial Actions

Sara Alvarado, Queen's University

November 18: Global Actions

Expert panel moderated by Diana Fox-Carney

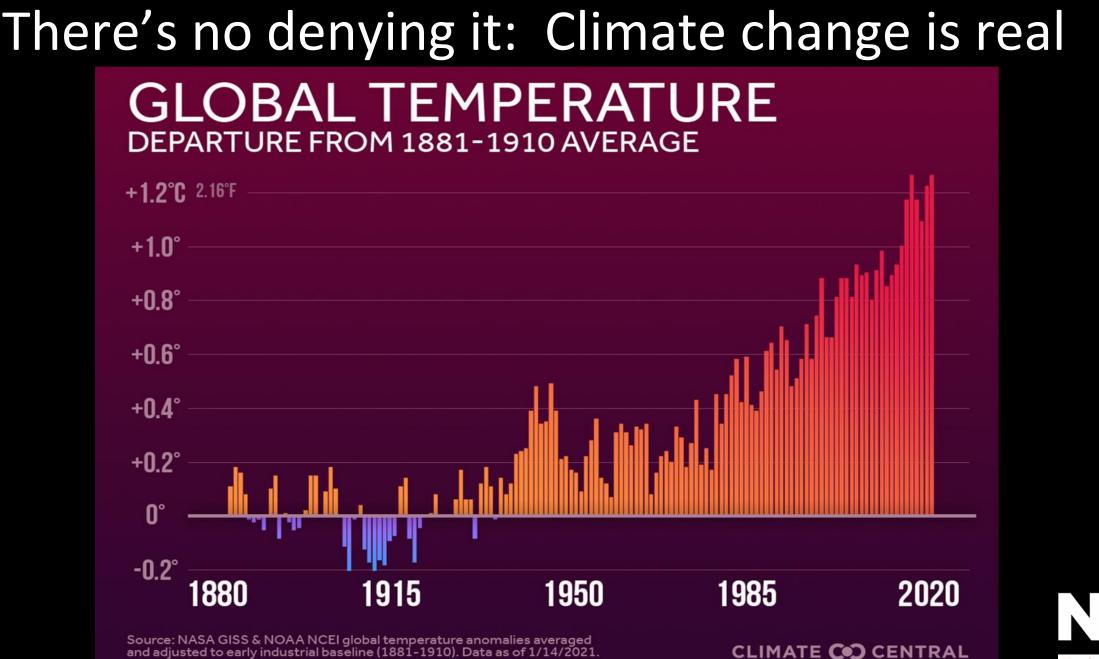
November 25: Local Actions

Expert panel moderated by Denny Manchee



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Pathways to Net Zero:





COP26 stands for **Conference of the Parties,** and is attended by countries that signed the United Nations Framework Convention on Climate Change (UNFCCC) treaty in 1994. 2021 is the **26th** meeting.





Don't just talk - act on climate, Queen Elizabeth signals to world leaders

"Extraordinary, isn't it? I've been hearing all about COP...

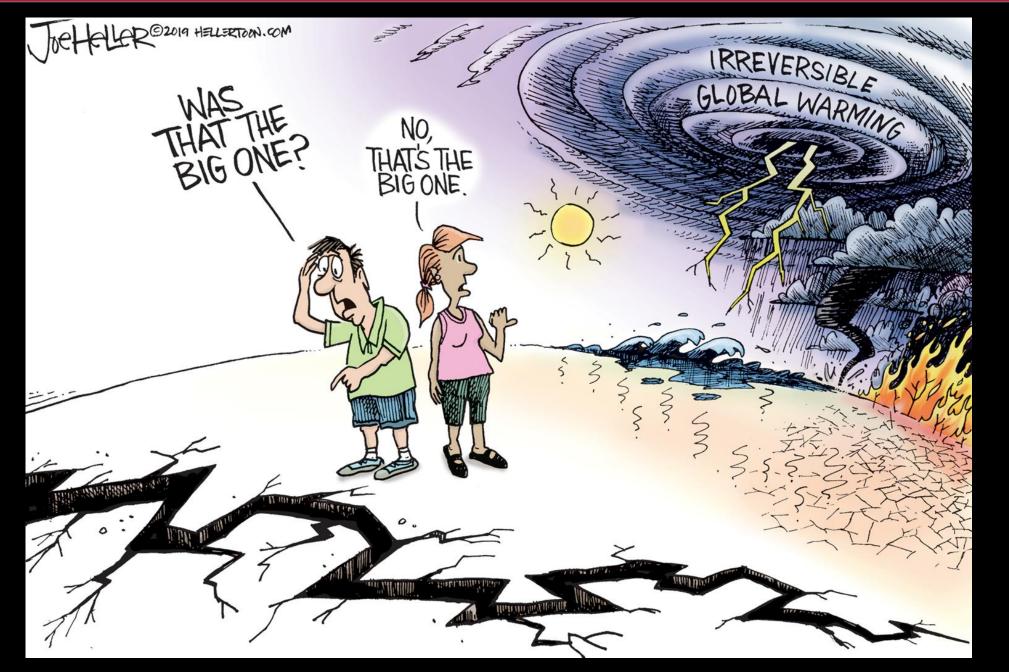
"Still don't know who is coming...

"We only know about people who are not coming.... It's really irritating when they talk, but they don't do."

https://www.bbc.com/news/uk-58923924









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GHG Green house Gas emissions

The Greenhouse Effect

Some sunlight that hits Earth is reflected back into space, while the rest becomes heat

Greenhouse gases prevent heat from escaping into space, warming the planet





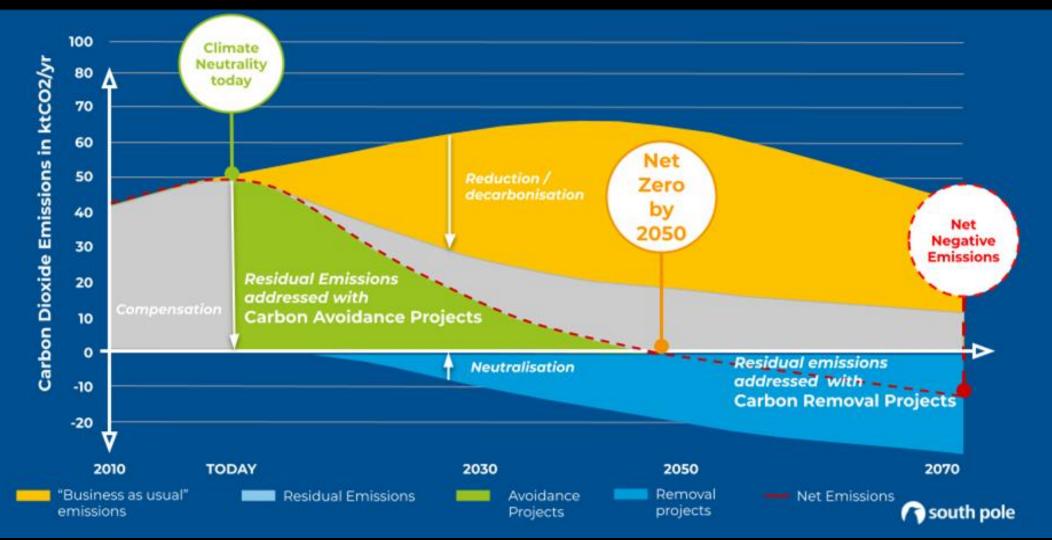








Net Zero refers to the balance between the amount of GHG produced and the amount removed from the atmosphere.



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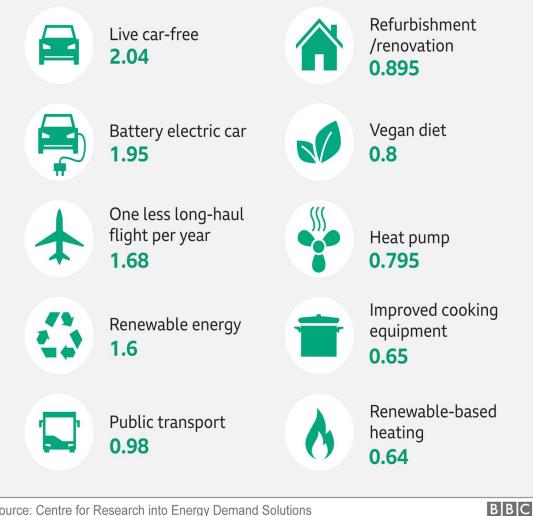
Carbon Footprint

is the amount of carbon dioxide and other carbon compounds emitted due to the consumption of fossil fuels by a particular person, group, etc.



Top options for reducing your carbon footprint

Average reduction per person per year in tonnes of CO2 equivalent



Source: Centre for Research into Energy Demand Solutions

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Intergovernmental Panel on Climate Change IPPC

is the United Nations body for assessing the science related to climate change.

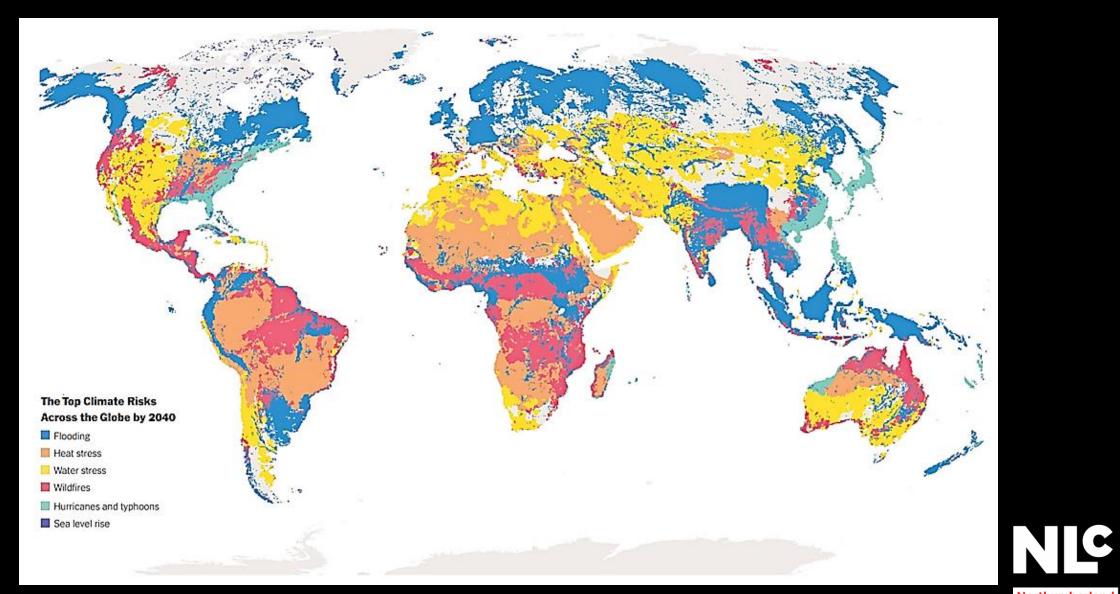








Global Climate Risks by 2040







Environmental, Social & (corporate) Governance

is an evaluation of a corporation's collective conscience for social and environmental factors.

Typically, a score is compiled from data collected from +/- 450 metrics related to intangible assets within the corporation.



Freedom of association,

Health and safety,

Human rights,

Customer &

products resposibility, Child labour

Climate change strategy, Biodiversity, Water efficiency, Energy efficiency, Carbon intensity, Enviromental management system Business ethics, Compliance, Board independence, Executive compensation, Shareholder democracy

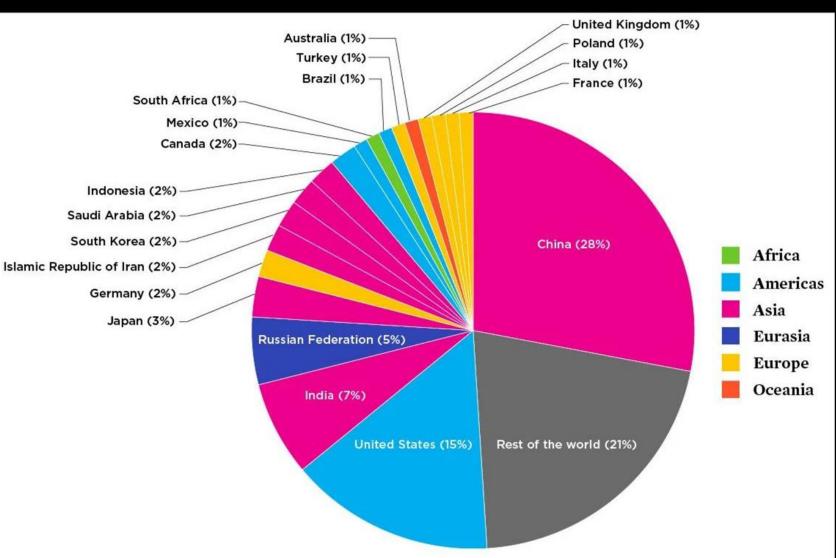






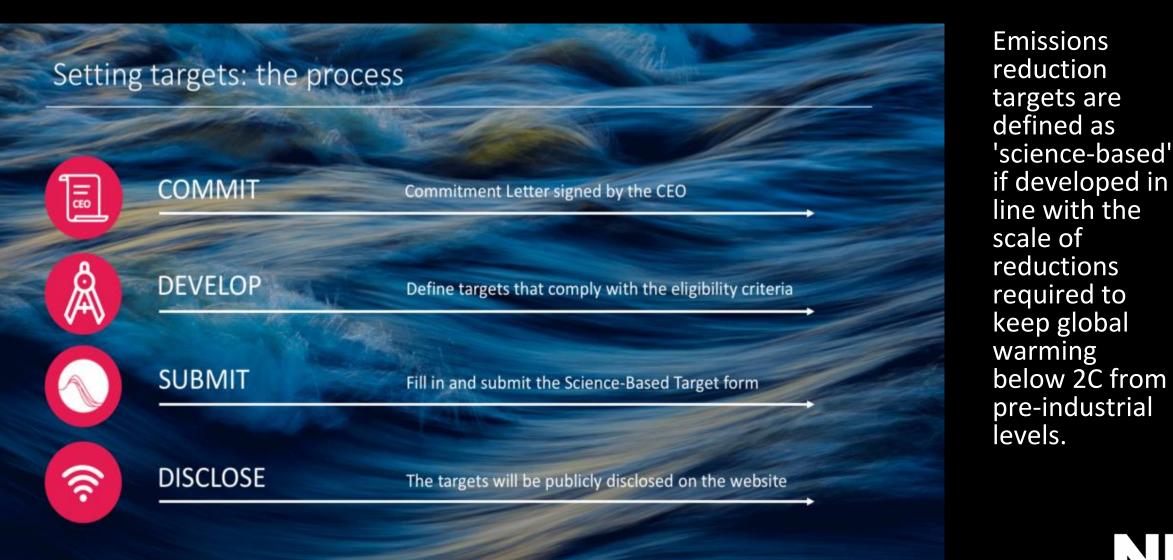
G -20 countries produce 80% of GHG emissions

 CO_2 levels are expected to increase by 4% across the G20 group in 2021 after a 6% drop due to the pandemic in 2020; Argentina, India and China are set to exceed their 2019 emissions levels.





Science-based targets for corporations



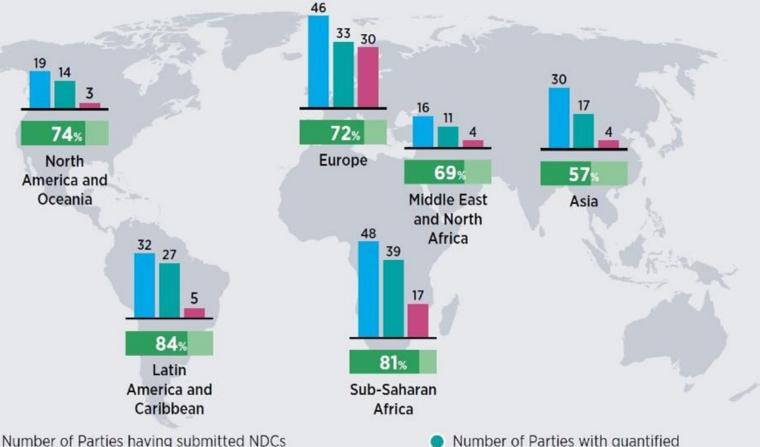
Quantis

Nationally Determined Contributions (NDC) by country

renewable power targets in their NDCs

Share of Parties with guantified renewable

energy targets in their NDCs



- Number of Parties having submitted NDCs
- Number of Parties with guantified renewable energy targets for direct heat and transport in their NDCs

shown on this map do not imply any official endorsement or acceptance by IRENA.

are non-binding national plans highlighting climate actions, including climate related targets for greenhouse gas emission reductions, policies and measures governments aim to implement in response to climate change and as a contribution to achieve the global targets set out in the **Paris Agreement**.







A Just Transition





is an approach to economic, environmental and social policy that aims to create an equitable and prosperous future for workers and communities as the world builds a low-carbon economy.

No worker or community can be left behind, so government climate action must be focused on those workers.



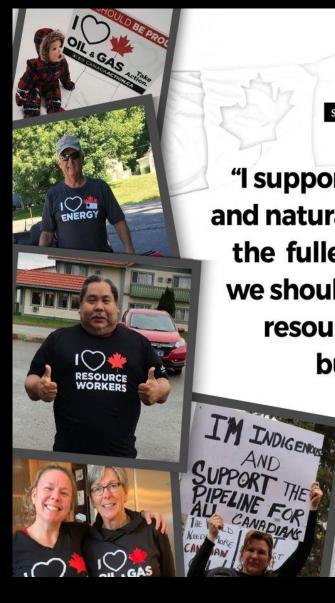




"I want to do my small part of supporting those hardworking men and women that keep me warm, bring food to my table. I want to say, Thank you."

Valda, Newfoundland & Labrador-

CANADA ACTION



"I support Canadian oil and natural resources to the fullest. I think that we should use our own resources instead of buying foreign."

Supporter Quote

Joel, Nova Scotia-

JOIN US!



CanadaAction.ca

Canada needs a

Just Transition Act

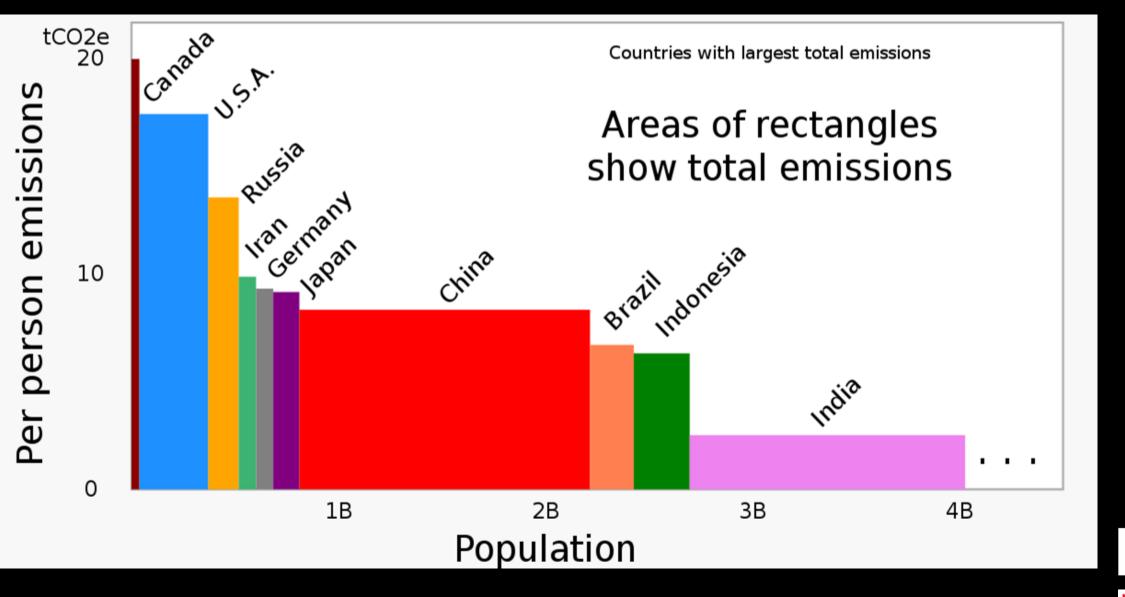
Tell your MP to deliver.



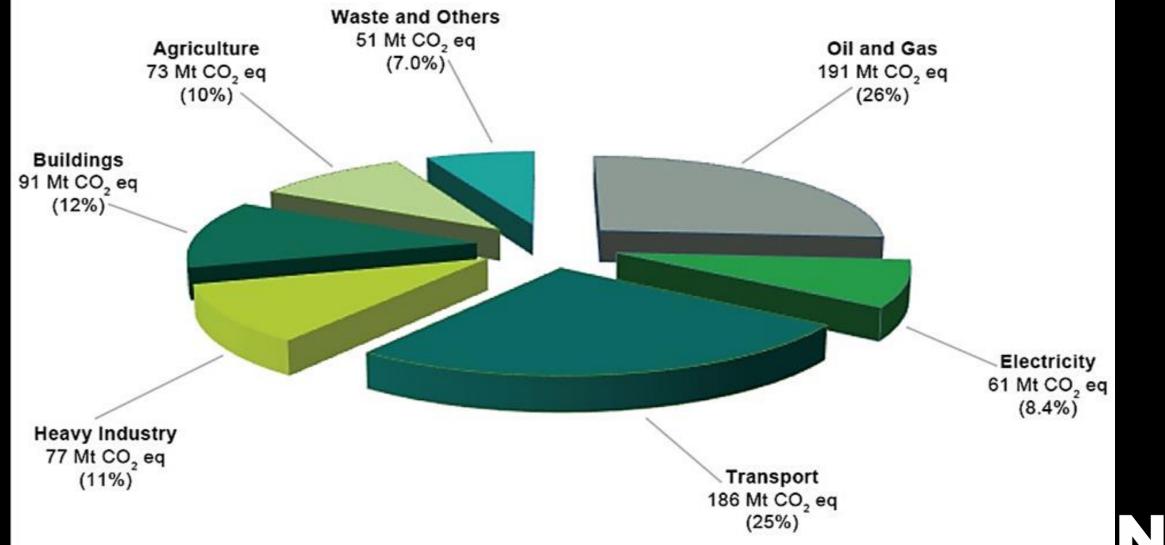




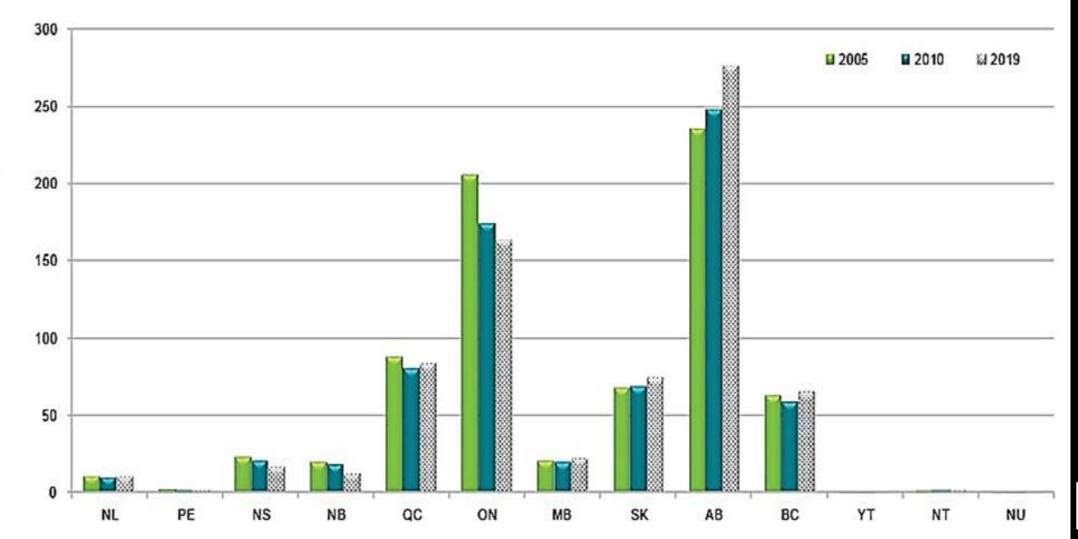
GHG emissions per person- Canada tops the list!!



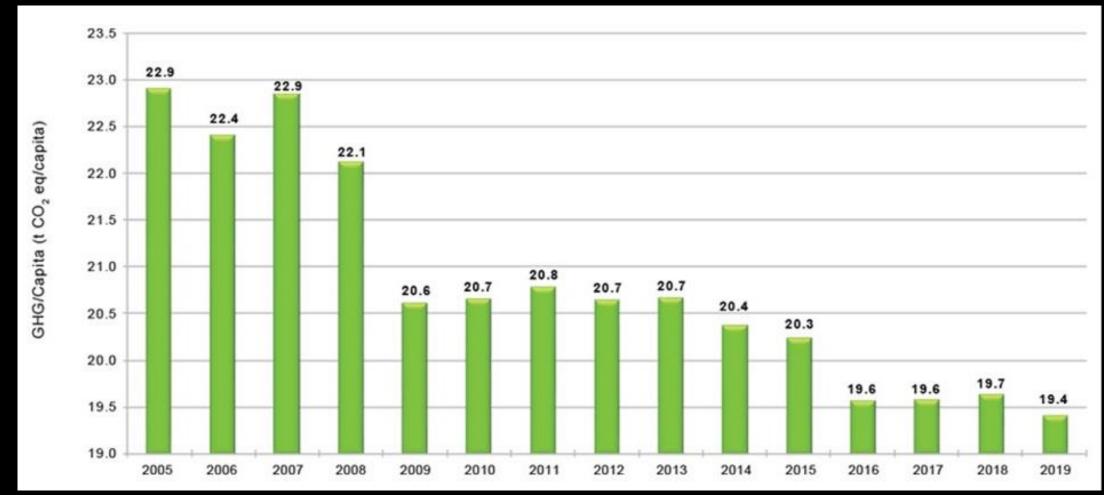
Breakdown of Canada's GHG gas emissions by sector (2019)



Greenhouse gas emissions by province & territory in 2005, 2010 and 2019



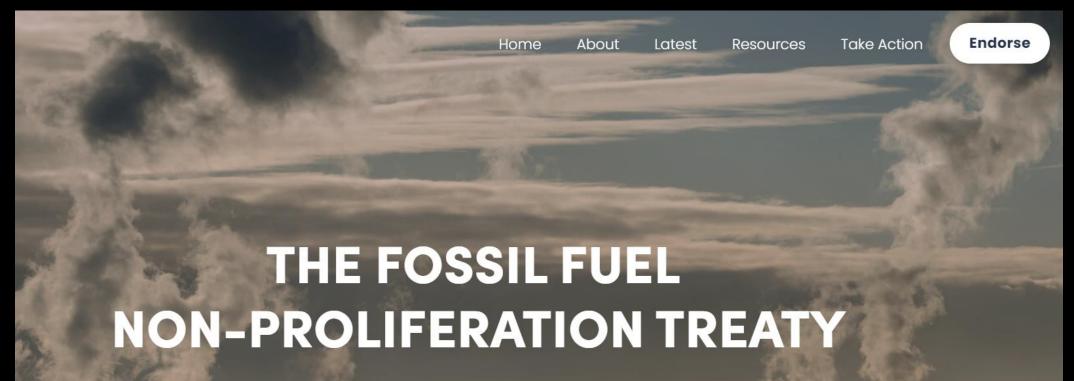
Canadian per capita GHG emissions falling (2005 to 2019)



https://www.canada.ca/en/environment-climate-change/services/climate-change/greenhouse-gasemissions/sources-sinks-executive-summary-2021.html



The Fossil Fuel Non-Proliferation Treaty Initiative was launched in 2020



A global initiative to phase out fossil fuels and support a just transition

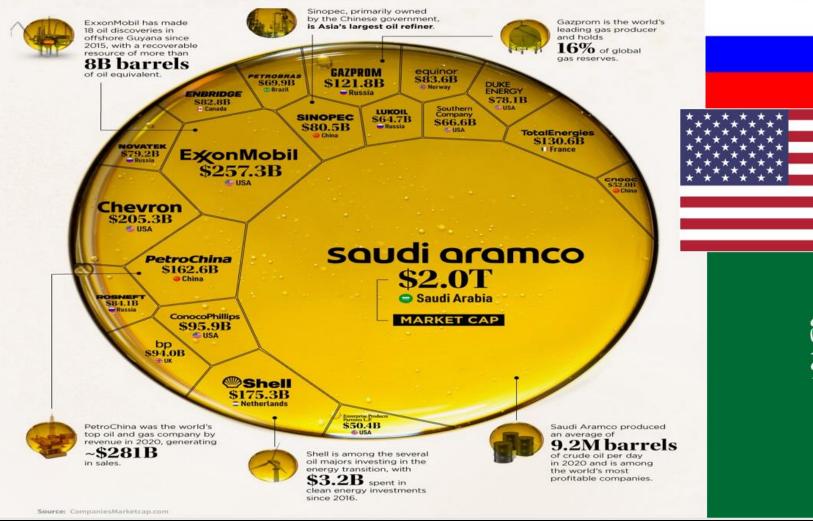




OIL & GAS COMPANIES

Despite the headwinds facing the oil and gas industry, oil still makes up the largest share of the global energy mix, fueled by the giant corporations that make up Big Oil. Here are the biggest oil and gas companies by market cap* in 2021.

*Data as of October 7, 2021. Figures have been rounded.





NIC

Climate Change Ranked Performance: Canada 4th last

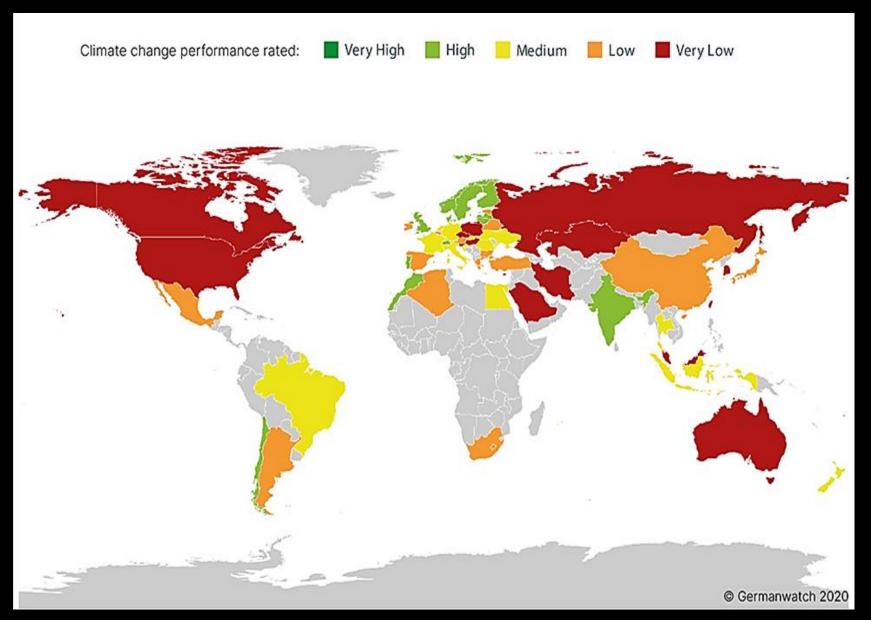
Rank		Country	20.	•	Ukraine	41.	•	Spain
		120220 1200000	21.	•	Luxembourg	42.		Turkey
1.*	-	-	22.	•	Egypt	43.		Algeria
2.	-	-	23.	•	France	44.		Bulgaria
3.	_	-	24.		Indonesia	45.		Japan
4.	-	Sweden	25.	•	Brazil	46.	•	Argentina
5.		United Kingdom	26.		Thailand	47.	•	Czech Republic
6.	•	Denmark	27.	•	Italy	48.		Poland
7.	•	Morocco	28.		New Zealand	49.	•	Cyprus
8.		Norway	29.	-	Netherlands	50.	•	Hungary
9.		Chile	30.	•	Romania	51.	•	Slovenia
10.	•	India	31.	•	Slovak Republic	52.	-	Russian Federation
11.	•	Finland	32.	-	Mexico	53.		Korea
12.		Malta	33.	•	China	54.		Australia
13.		Latvia	34.	•	Greece	55.	•	Kazakhstan
14.		Switzerland	35.		Austria	56.	•	Malaysia
15.	•	Lithuania	36.		Belarus	57.		Chinese Taipei
16.		European Union (28)	37.	•	South Africa	58.	•	Canada
17.		Portugal	38.	•	Estonia	59.	•	Islamic Republic of
18.		Croatia	39.		Ireland	60.	-	Saudi Arabia
19.		Germany	40.	•	Belgium	61.	•	United States

*None of the countries achieved positions one to three. No country is doing enough to prevent dangerous climate change.

of Iran © Germanwatch 2020

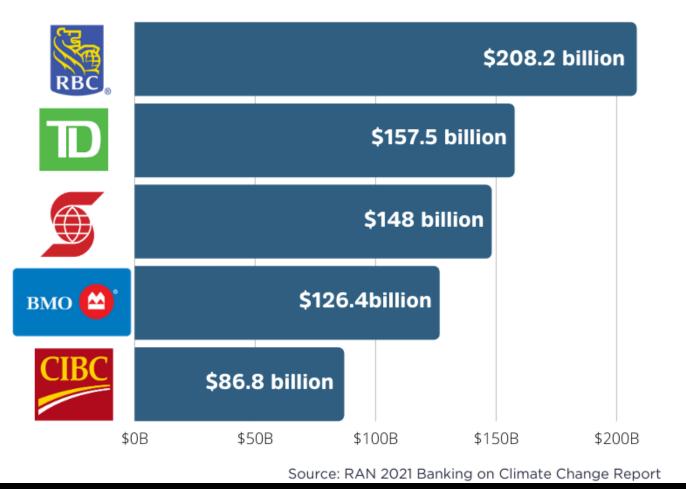


Climate Change Overall Performance 2021



Canada's banks increase fossil fuels investments

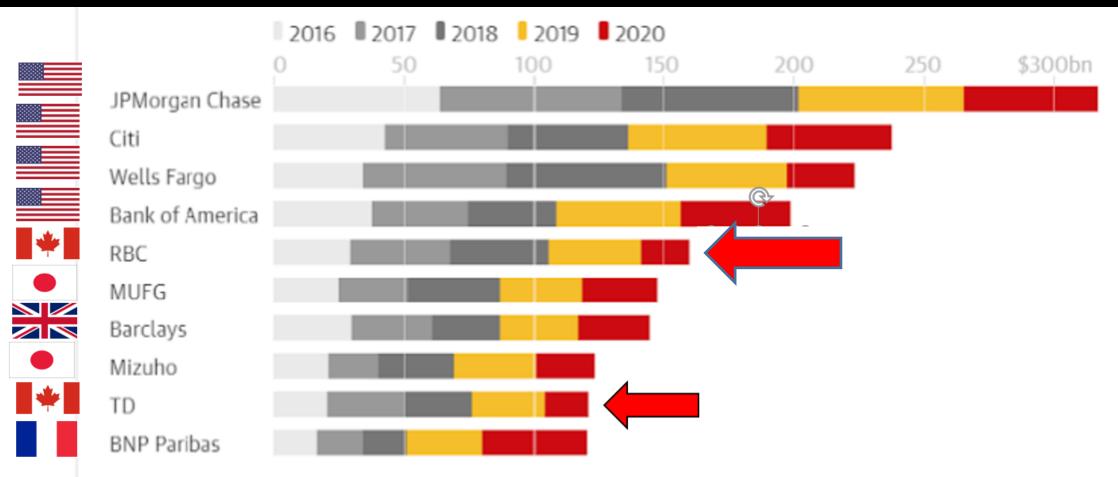
Fossil Fuel Investments Since 2016



Since the Paris Agreement, Canadian banking giants RBC, TD, Scotiabank, BMO, and **CIBC** have poured over **\$720 billion** into climate-destroying fossil fuel companies, providing the corporations most responsible for the climate crisis continued funds to grow.

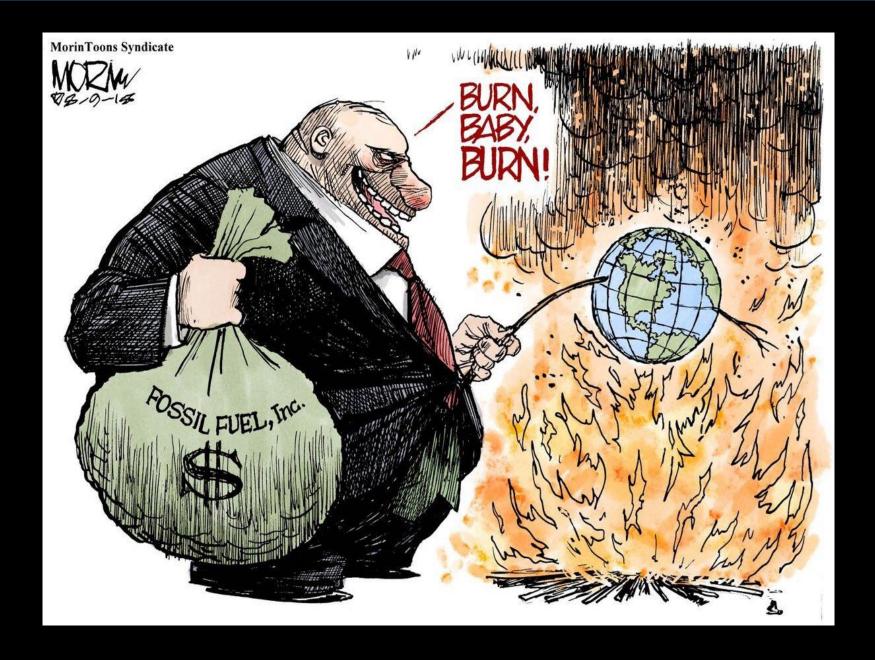


RBC (5th) & TD (7th) of 60 global banks investing in oil



Guardian graphic. Source: Banking on Climate Chaos - Fossil Fuel Finance Report 2021







What is GFANZ?

Glasgow Financial Alliance for Net Zero

Financing Roadmaps

*0.6 trillion of investment is not allocated to any specific region

Bringing together the financial sector to accelerate the transition to a net-zero economy.





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