

# OUR PLANET IS WARMING AND WE WANT TO DO SOMETHING ABOUT IT.

Gases in Earth's atmosphere sustain life by trapping the Sun's heat, making it warm enough for human life to exist. These gases are called "greenhouse gases (GHGs)". Without them, our planet would be too cold for us to survive.

But now, Earth is warming dramatically. It's been happening over the last few generations because we have started increasing the amount of greenhouse gases in the atmosphere. We burn fossil fuels, like coal, oil, and natural gas, allowing our homes to stay warm in the winter, and lit in the darkness.

As greenhouse gases continue to build in our atmosphere, more heat is contained. Global temperatures rise, and over time this warming has become significant. The ocean is taking longer to freeze in the fall and is quicker to thaw in the spring. We're catching fish species from warmer waters in the Arctic. Animals that once thrived in our cooler climate are facing decline.



In Cambridge Bay, our community is powered by diesel, which creates greenhouse gases. So much of what we do, and how we live today, relies on fossil fuels.

BY UNDERSTANDING OUR CARBON FOOTPRINT (HOW MUCH GREENHOUSE GAS WE'RE EMITTING), WE CAN TAKE ACTION TO REDUCE OUR EMISSIONS.

## AT THE PI/KHS, WE ADD TO GREENHOUSE GASES EVERY TIME WE...



TURN ON THE LIGHTS



CONNECT TO WIFI



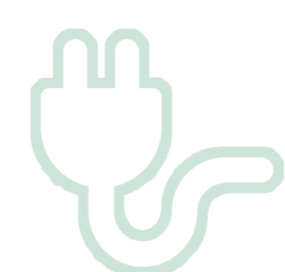
USE OUR COMPUTERS



CHARGE DEVICES



USE VEHICLES TO GET OUT ON THE LAND



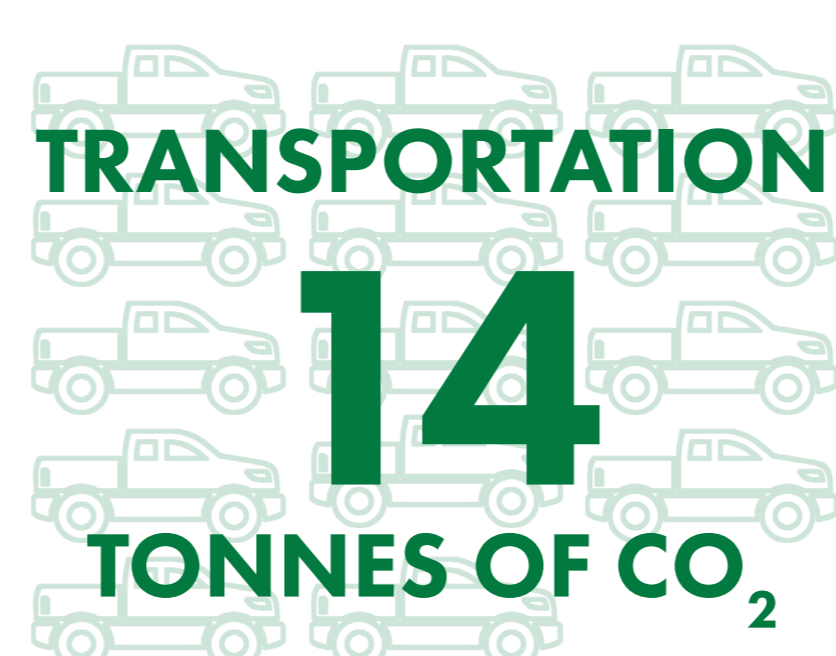
USE A SEWING MACHINE



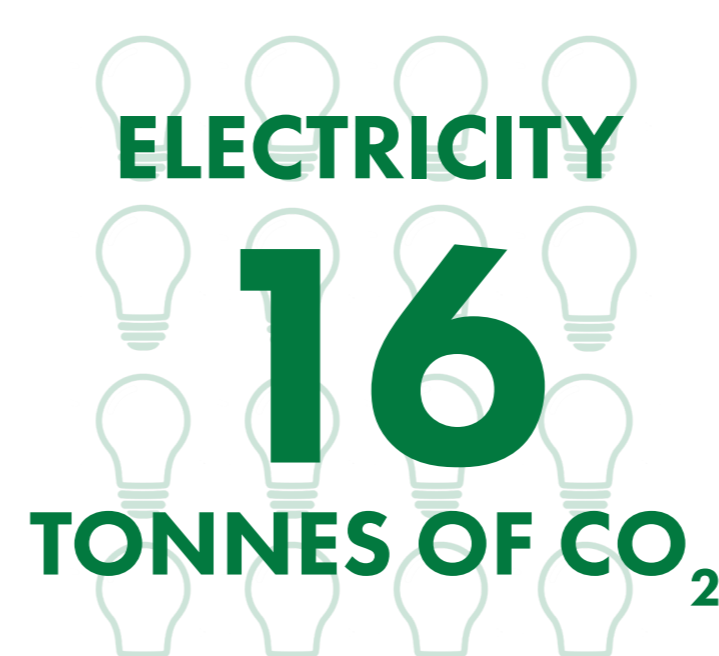
STORE FOOD IN OUR FRIDGE AND FREEZER

## WE EMITTED 54 TONNES OF CO<sub>2</sub> IN 2019

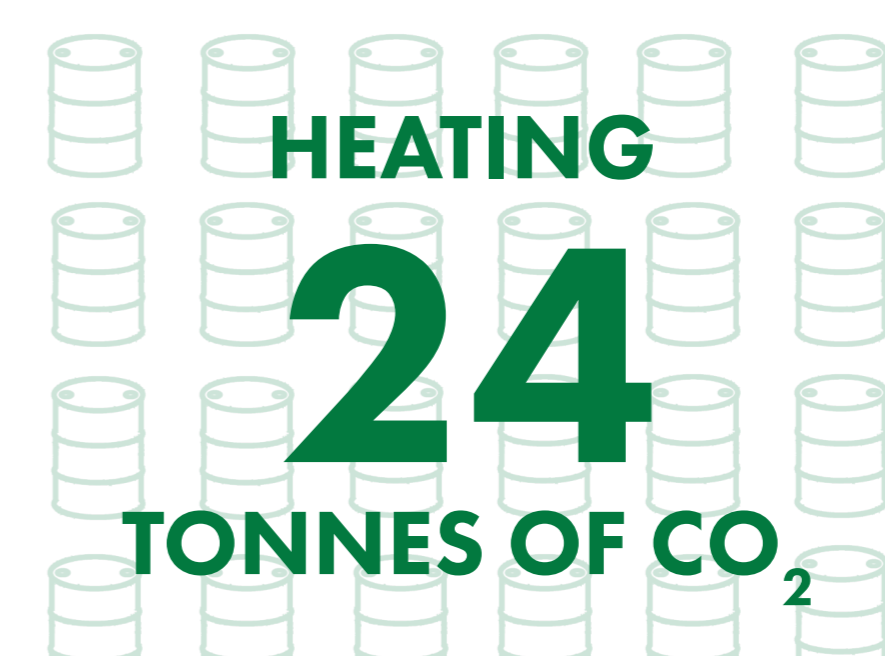
We calculated our carbon emissions as an organization, from how we heat and light our building, to the electricity and transportation we use. This data from 2019 and 2020 best represents normal (non-COVID) operations.



26%  
OF OUR TOTAL  
EMISSIONS



30%  
OF OUR TOTAL  
EMISSIONS



44%  
OF OUR TOTAL  
EMISSIONS

## THAT'S EQUIVALENT TO...

**54** OR **128**

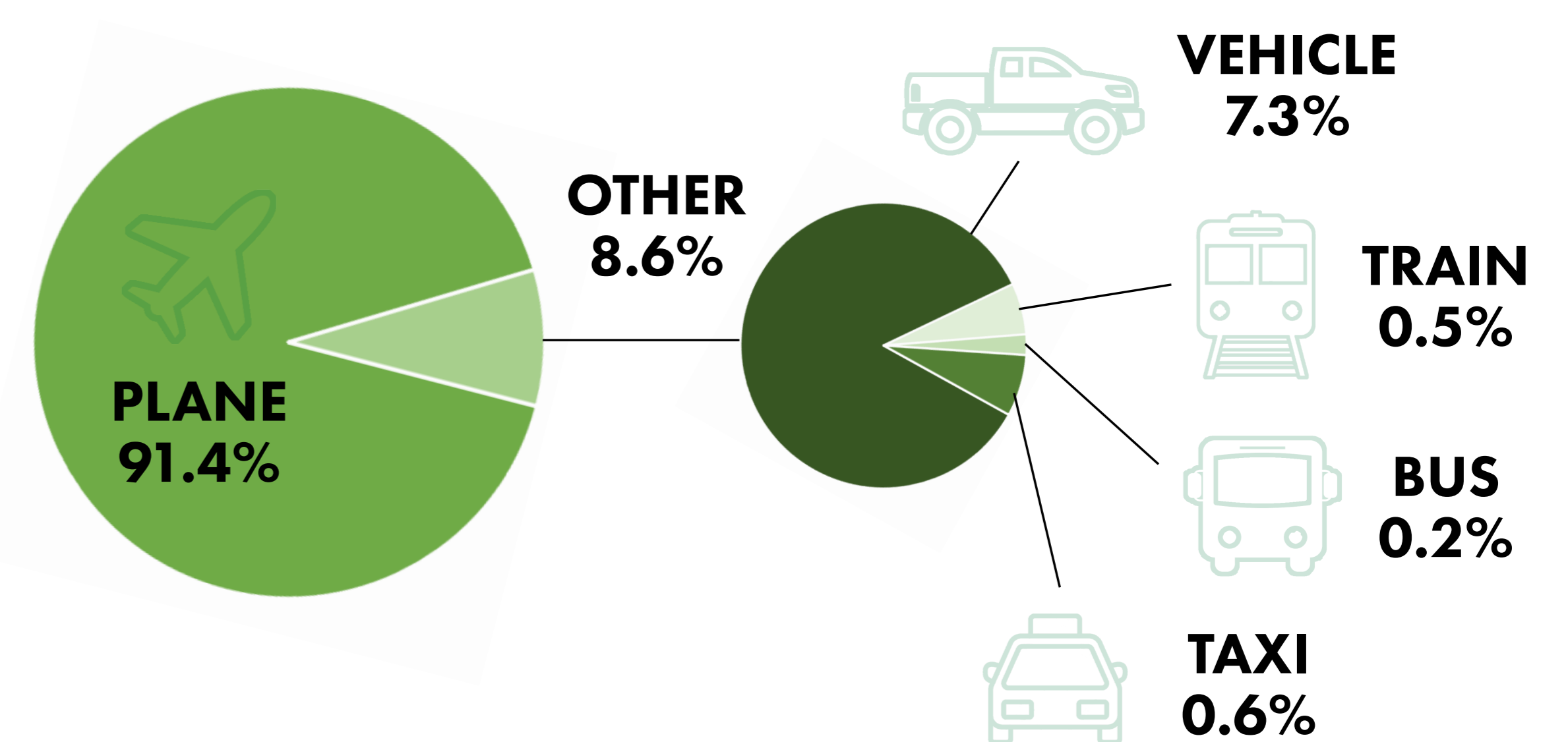
ROUNDTrip  
FLIGHTS BETWEEN  
CAMBRIDGE BAY  
AND CALGARY

BARRELS  
OF OIL

## DISTANCE IS A MAJOR CHALLENGE FOR US

We have remote staff and run programs in multiple communities. Even our Cambridge Bay work requires transportation to bring people together and get out on the land.

**FLYING IS OUR MOST ENERGY-INTENSIVE FORM OF TRANSPORTATION, ACCOUNTING FOR 91.4% OF OUR TRANSPORTATION-RELATED EMISSIONS.**



## OUR BUILDING'S CONSUMPTION

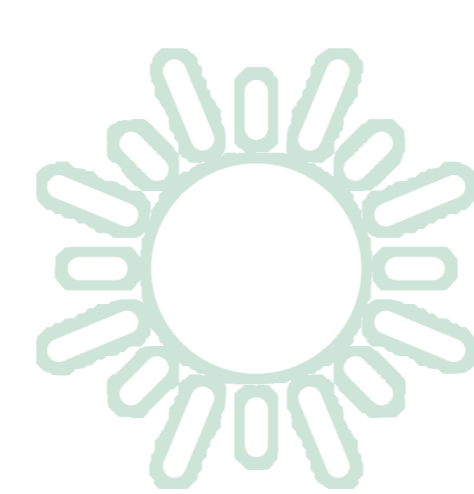
The May Hakongak Centre is a community hub, with high energy costs for heating the facility, keeping it lit, and powering all kinds of devices and appliances every day of the year.

HEAT  
**82%**  
OF OUR ENERGY USE

Heating our building costs **\$9,500** per year and is responsible for **60%** of our carbon emissions.

ELECTRICITY  
**18%**  
OF OUR ENERGY USE

Powering everything in our building costs **\$14,590** per year and is responsible for **40%** of our carbon emissions.



46%

26%

21%

0%

7%

OF OUR TOTAL USE

### ELECTRICITY USE

LIGHTS

PLUG LOADS  
(computers, freezer)

HVAC

ELECTRIC  
HEATERS

FANS

OF OUR TOTAL USE



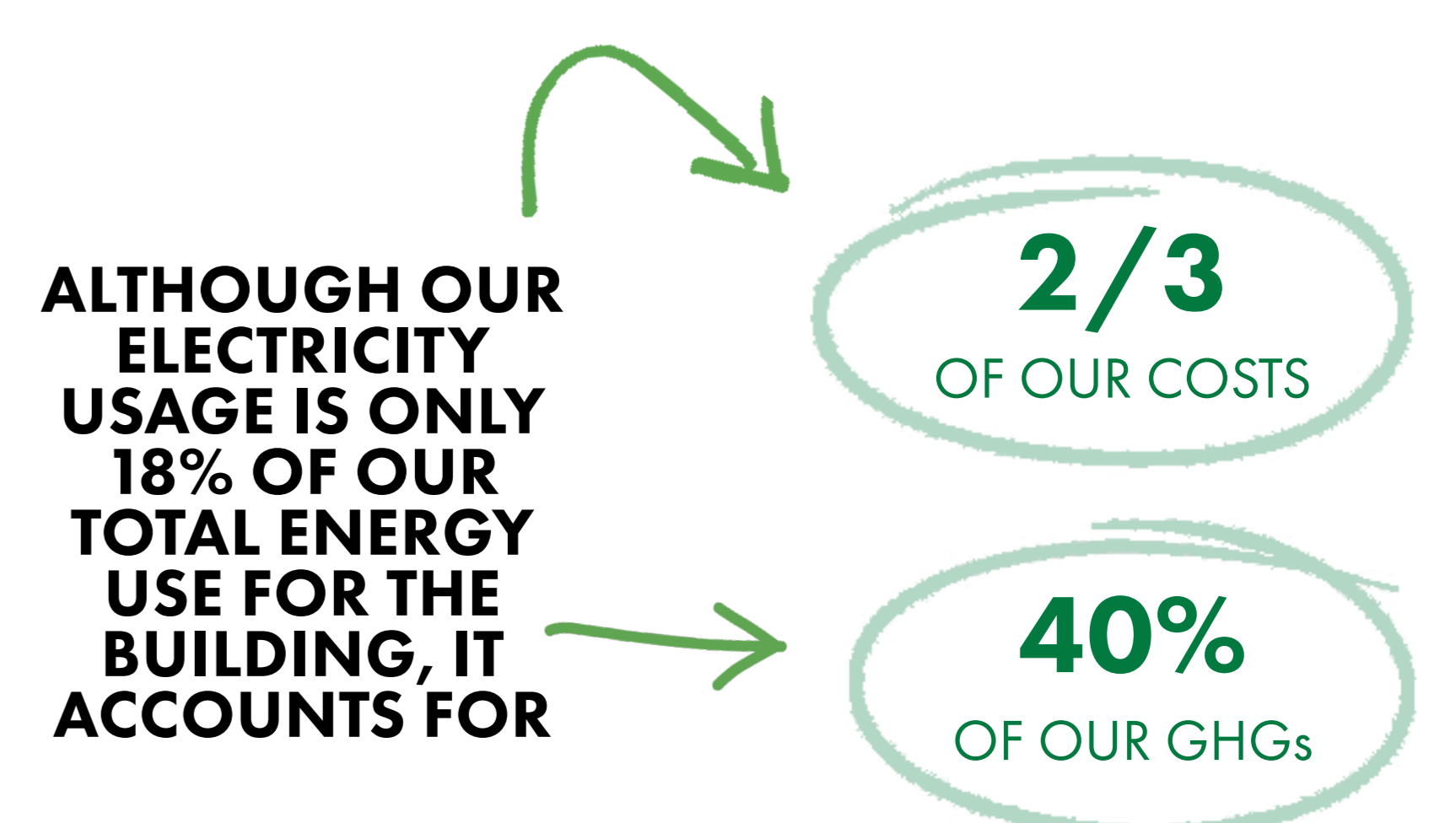
33%

21%

33%

7%

1%



USING DIESEL TO POWER ELECTRICITY IS VERY INEFFICIENT. IT'S ALSO WHERE WE CAN MAKE THE MOST IMPACT AS WE START TO REDUCE OUR ENERGY USE.

## WHAT'S NEXT FOR US?

Even if we reduce emissions substantially, keeping global warming levels below 2°C, we are going to start to witness the Arctic sea ice across our homelands occasionally melt completely during summers, before 2050. This will fundamental change how we, as Inuit, live.

Our ancestors forged a vibrant life for millennia, by working together, sharing their resources, and using only what they needed. To tackle the challenges of today, we're drawing inspiration from the way they lived and what they valued. We're making some changes as an organization to reduce our carbon footprint, for our health, the health of our community, and the health of our planet.

Will you join us?

## TIPS

TURN OFF THE LIGHT WHEN YOU LEAVE THE ROOM.

TURN DOWN YOUR THERMOSTAT BY ONE DEGREE. START BY LOWERING IT OVERNIGHT WHILE YOU'RE SLEEPING.

CARPPOOL! THE NEXT TIME YOU'RE HEADING OUT, PICK UP FRIENDS OR FAMILY WHO ARE GOING THE SAME WAY.

You'll save roughly \$366/year on your heat bill lowering it by one degree every day!

Visit [www.nunamituqaq.ca](http://www.nunamituqaq.ca) to learn more about what we're doing to reduce our emissions, and how you can help!

SOURCES: [www.epa.gov/energy/greenhouse-gas-equivalencies-calculator](http://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator); [www.carbonzero.ca](http://www.carbonzero.ca); [www.climate.esa.int](http://www.climate.esa.int)