

## Copernicus

Data for the future

## **Chris Atherton**

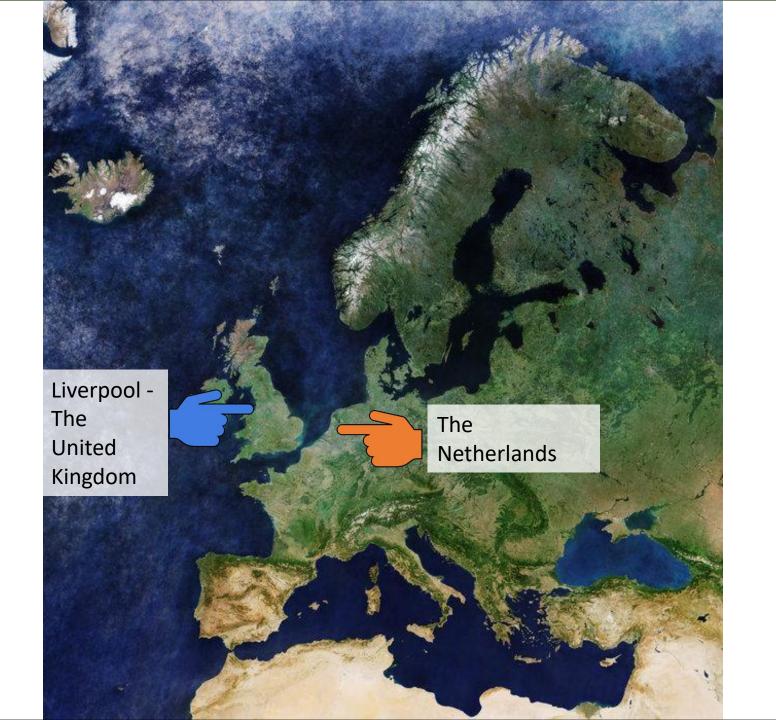
Senior Research Engagement Officer

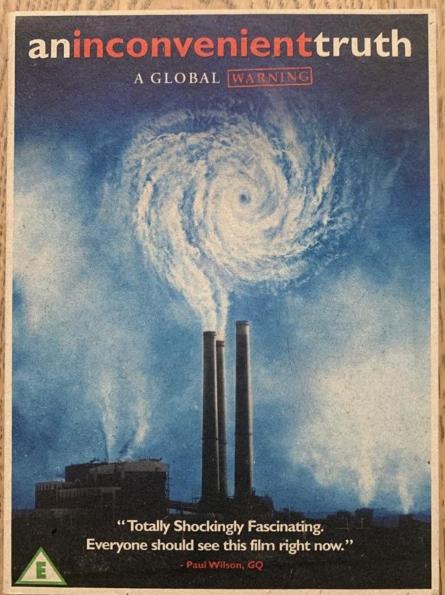
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## tenthingstodo

Want to do something to help stop global warming? Here are 10 simple things you can do and how much carbon dioxide you'll save doing the

#### change a light

Replacing one regular light bulb with a compact fluorescent light will save 150 pounds of carbon dioxide per year.

#### drive less

Walk, bike, carpool or take metro transit more often. You'll save one pound of carbon dioxide for every mile you don't drive!

#### recycle more

You can save 2,400 pounds of carbon dioxide per year by recycling just half of your household waste.

#### check your tires

Keeping your tires inflated properly can improve gas mileage by more than 3% Every gallon of gasoline saved keeps 20 pounds of carbon dioxide out of the atmosphere!

#### use less hot water

It takes a lot of energy to heat water. Use less hot water by installing a low-flow showerhead (350 pounds of CO<sup>2</sup> saved per year) and washing your clothes in cold or warm water (500 pounds saved per year).

#### avoid products with a lot of packaging

You can save 1,200 pounds of carbon dioxide if you cut down your garbage by 10%

#### adjust your thermostat,

Moving your thermostat down just 2 degrees in winter and up 2 degrees in summer could save about 2,000 pounds of carbon dioxide per year.

#### plant a tree

A single tree will absorb one ton of carbon dioxide over its lifetime.

#### turn off electronic devices.

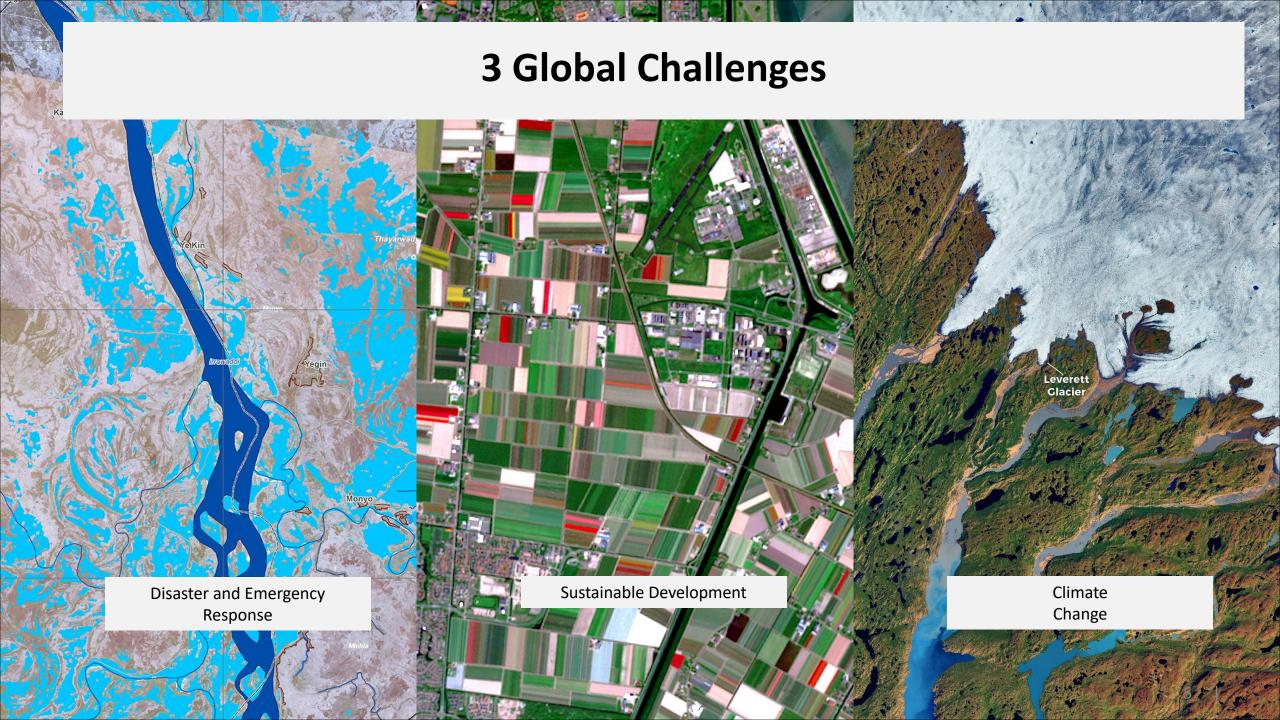
Simply turning off your television, DVD player, stereo, and computer when you're not using them will save thousands of pounds of carbon dioxide per year.

#### be a part of the solution

Learn more and get active at www.ClimateCrisis.net.



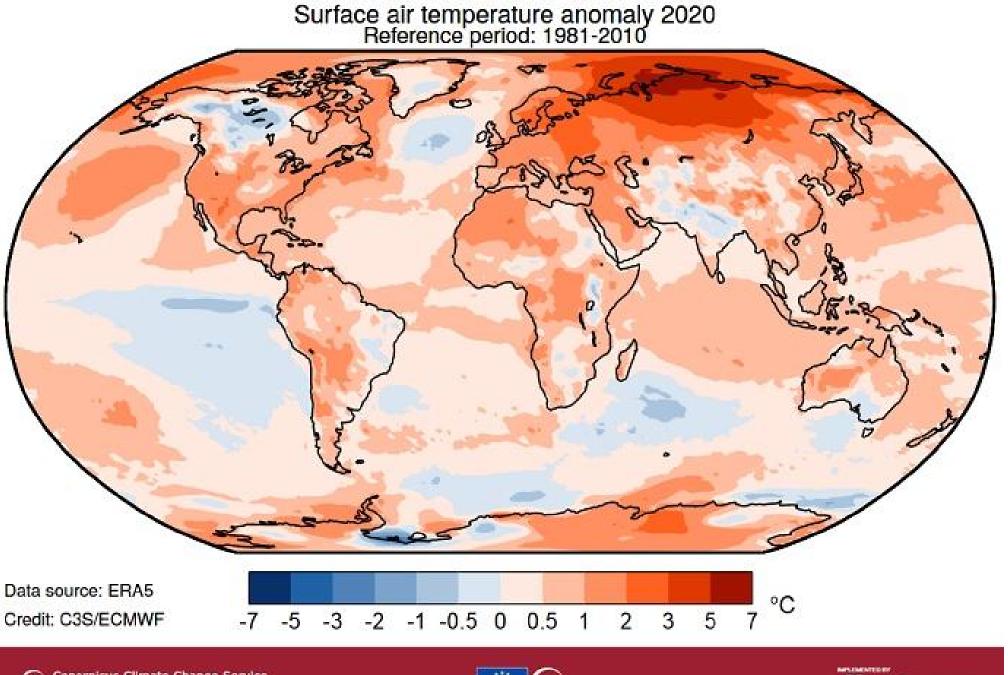






# Arul Sea









# Better Information

Better decisions



## **Who is behind Copernicus**



Intergovernmental Organisation



In collaboration with:

Copernicus Partners







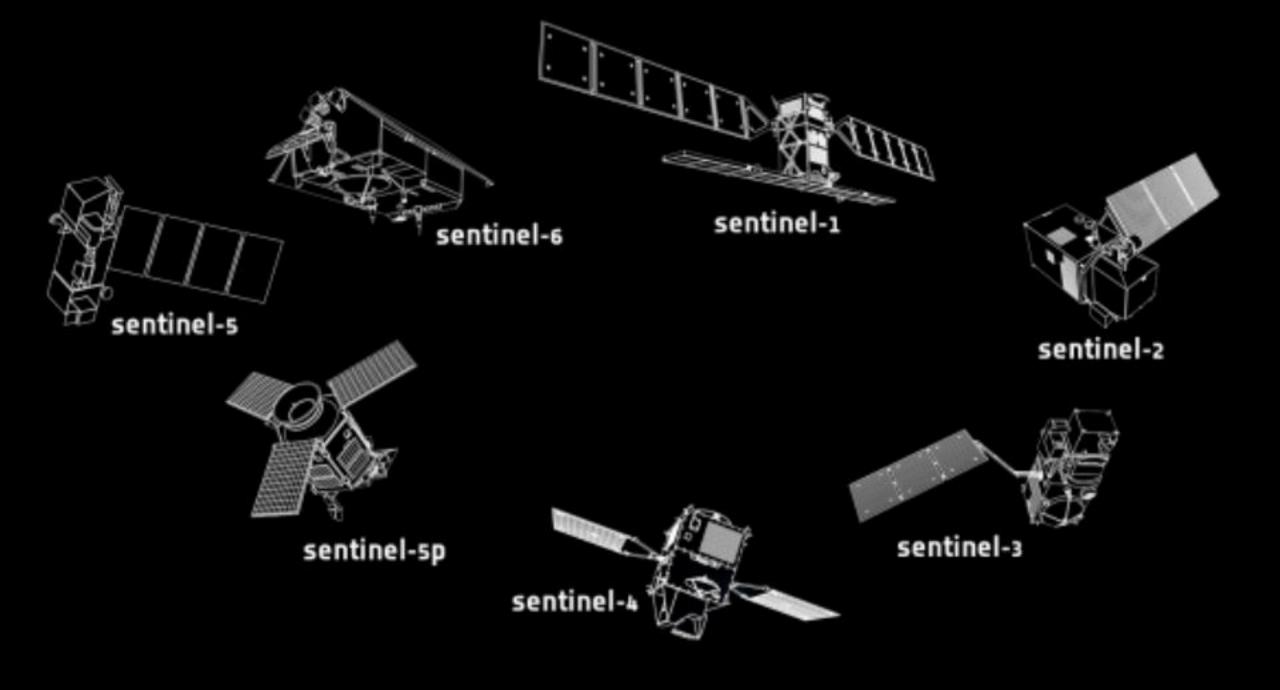












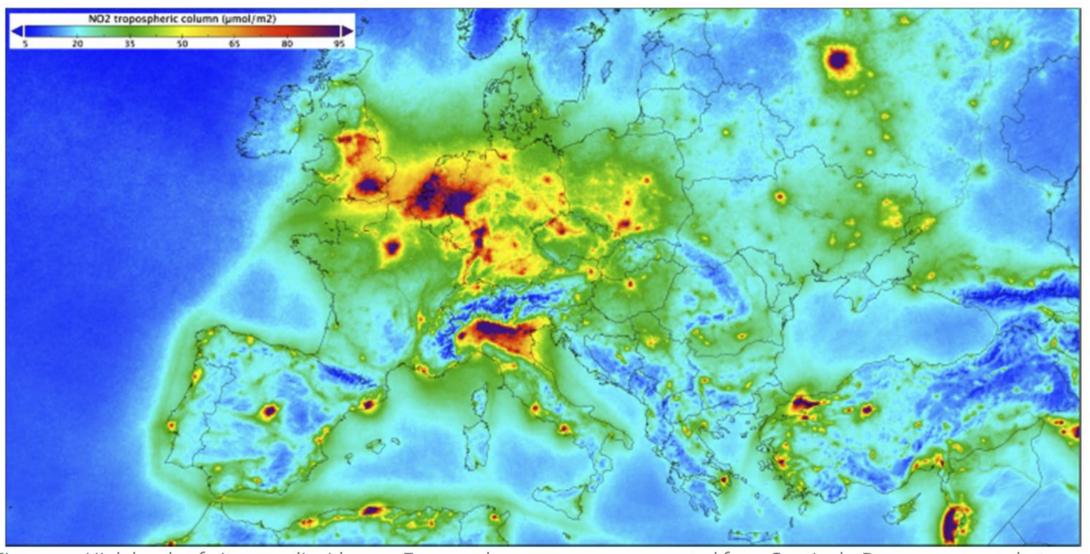
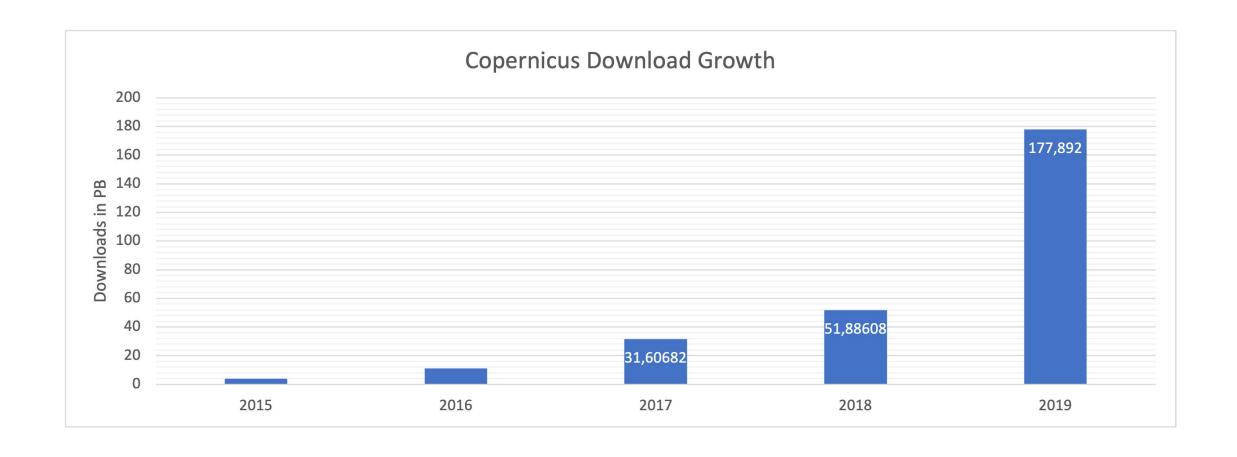
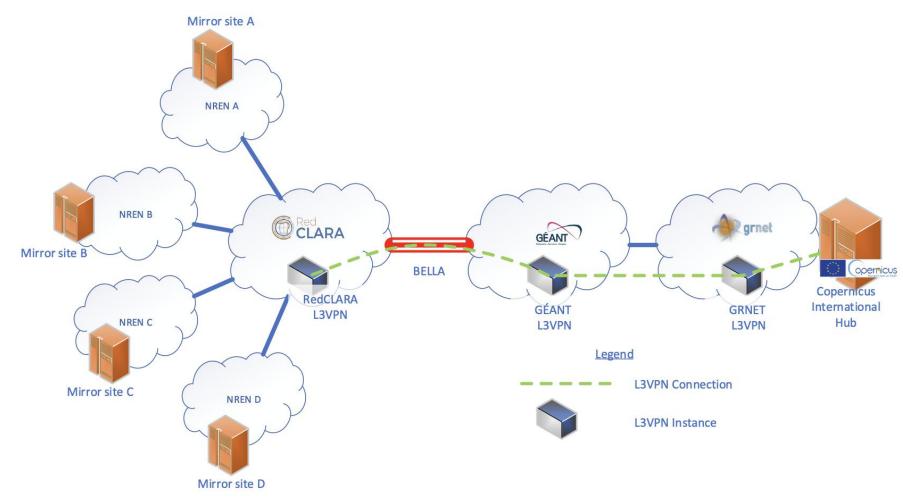


Figure 10: High levels of nitrogen dioxide over Europe, shown on a map generated from Sentinel-5P measurements between April and September 2018 [contains modified Copernicus Sentinel data (2018-2019), processed by KNMI / ESA]



## **Moving Copernicus data from Europe to Latin America**



https://geant.box.com/s/lmf3q6b6xryvfj7hwtg5ovnhxnm5pkgt





## Where to find this data

- Brazil <a href="http://www.dgi.inpe.br/">http://www.dgi.inpe.br/</a>
- Chile <a href="https://copernicus-chile.cl/">https://copernicus-chile.cl/</a>
- Open Access hub <a href="https://SCIHUB.COPERNICUS.EU">https://SCIHUB.COPERNICUS.EU</a>
- Copernicus Services <a href="https://www.copernicus.eu/en/copernicus-services">https://www.copernicus.eu/en/copernicus-services</a>
- EUMETSAT <a href="https://www.eumetsat.int/who-we-work/access-copernicus-data">https://www.eumetsat.int/who-we-work/access-copernicus-data</a>

## 12 Things we can all do – a updated list

Power your home Invest in energy-Speak up with renewable Weatherise efficient appliances energy Eat the food you Reduce water Buy better bulbs Pull the plug buy waste Rethink: planes, Drive fuel-efficient Shrink your Maintain your ride trains and carbon profile vehicles automobiles





## Thank you

Any questions?

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