



SEAI is Ireland's national sustainable energy authority. We work with householders, businesses, communities and government to create a cleaner energy future.



Business and Public Sector

SEAI are helping Irish businesses to reduce their energy costs while improving energy efficiency.

Grants

SEAI offer a range of grants and funding supports across home, business and community.

Data and Insights

Evidence based research is vital for building a clean and more secure energy future for Ireland. Dive into our statistics for deep insights.

Home Energy

Learn how you can become more energy efficient in the home, increasing comfort and saving money.

Technologies

We are working with businesses within the energy sector to support the development of clean energy technologies in Ireland.

Community Energy

Change the way your community thinks about energy and learn the supports SEAI offer.

CREATIVE



AMBITIOUS

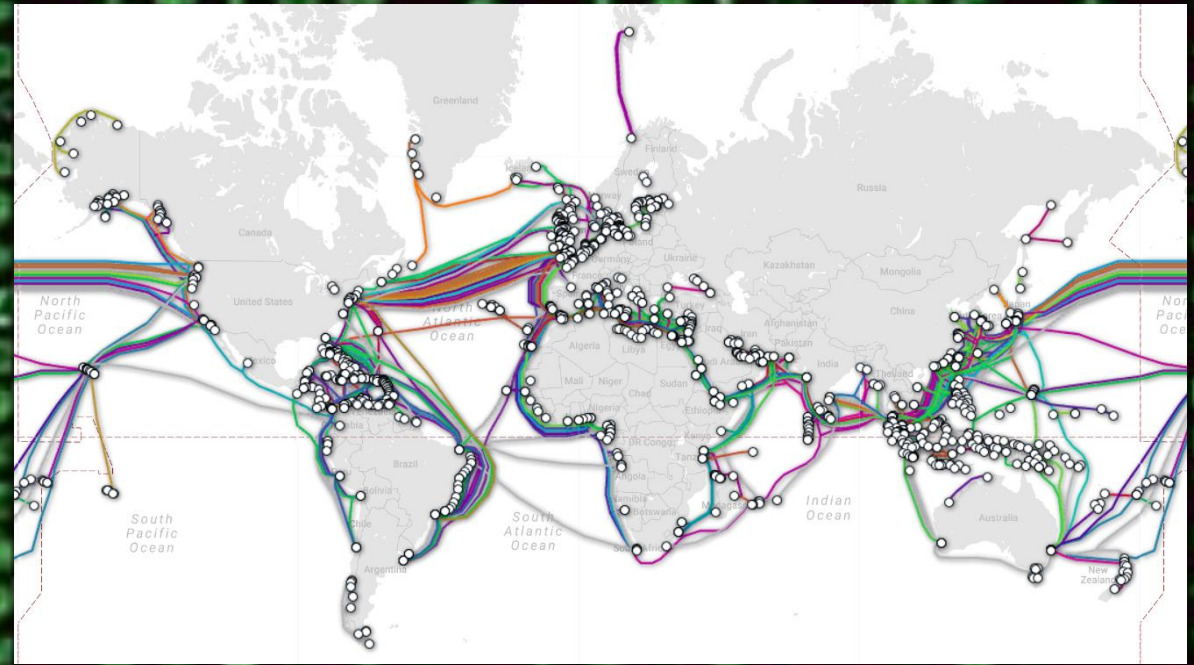
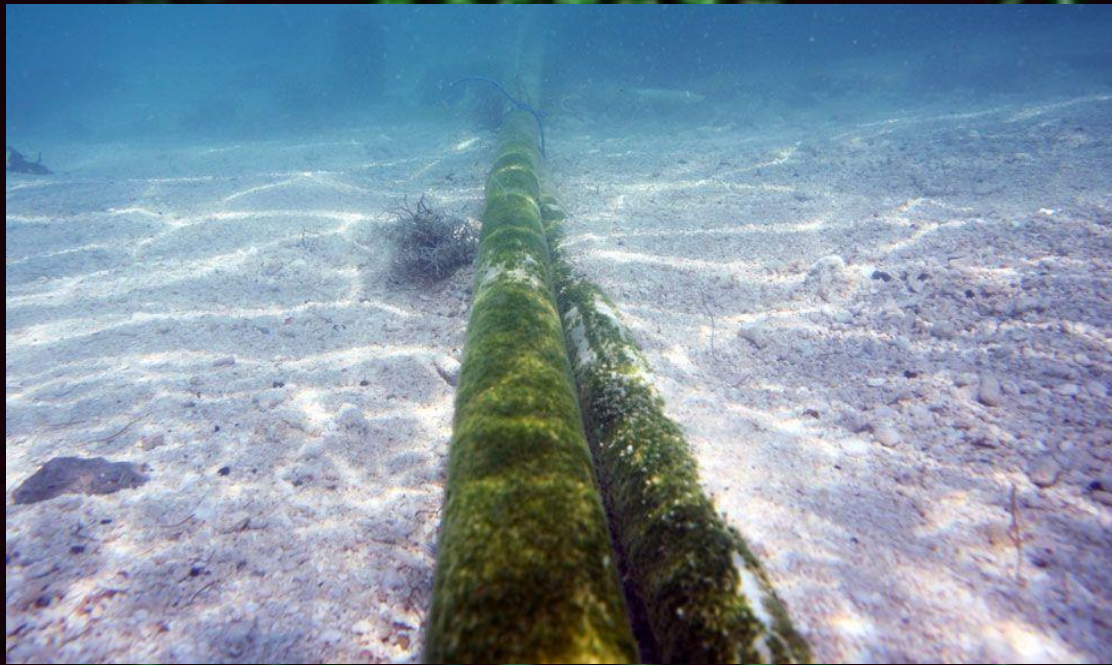


66th Year
53,000 records in database















7,900,000,000



Types And Uses Of Fossil Fuel



COAL



OIL



NATURAL GAS

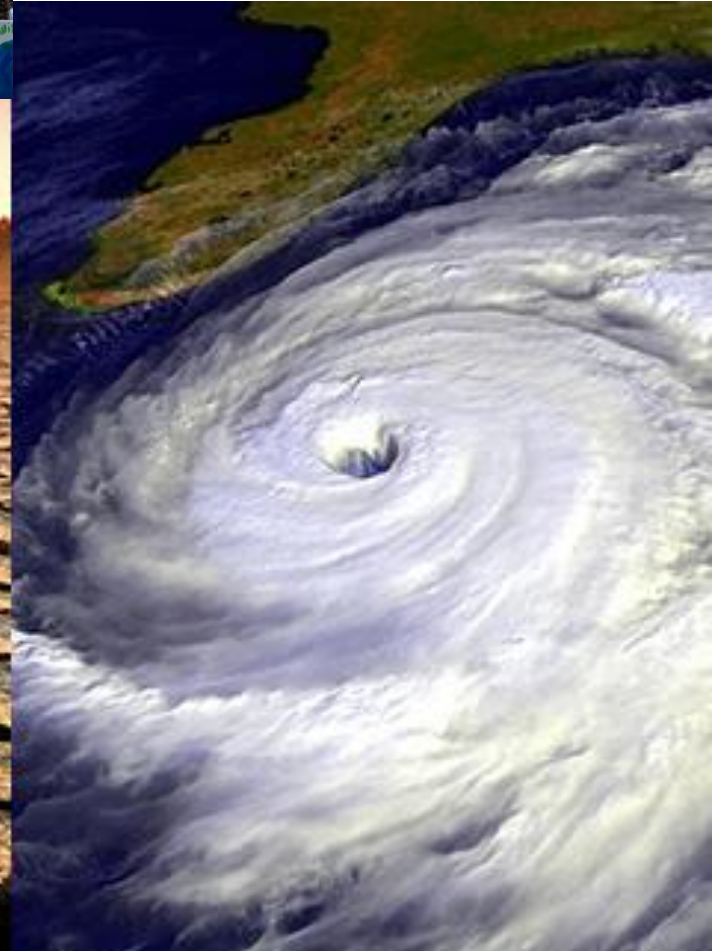




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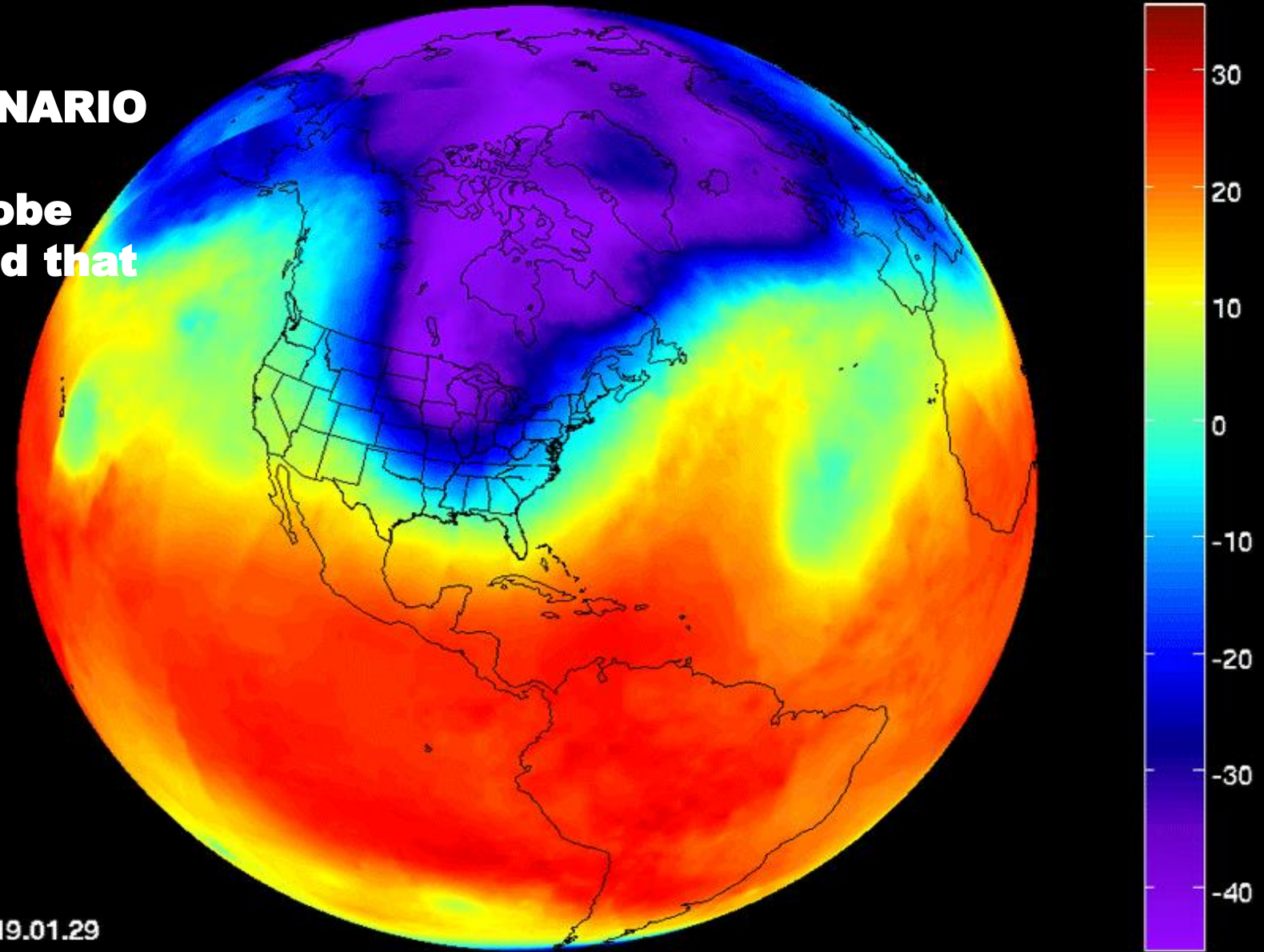


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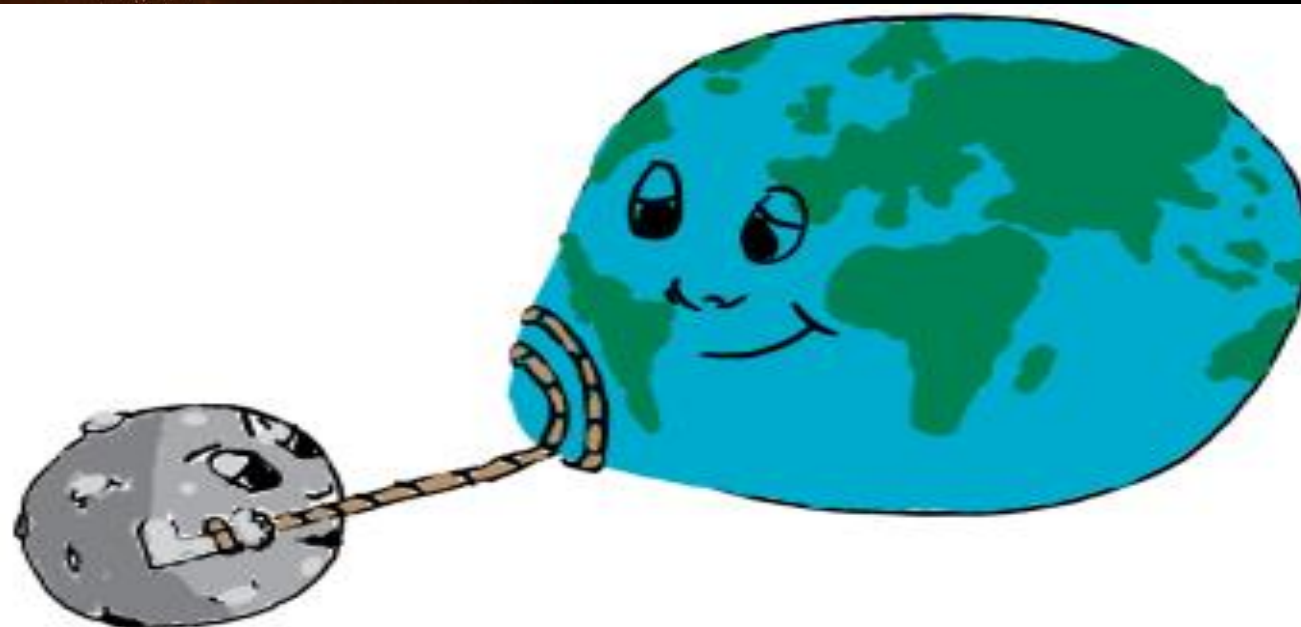
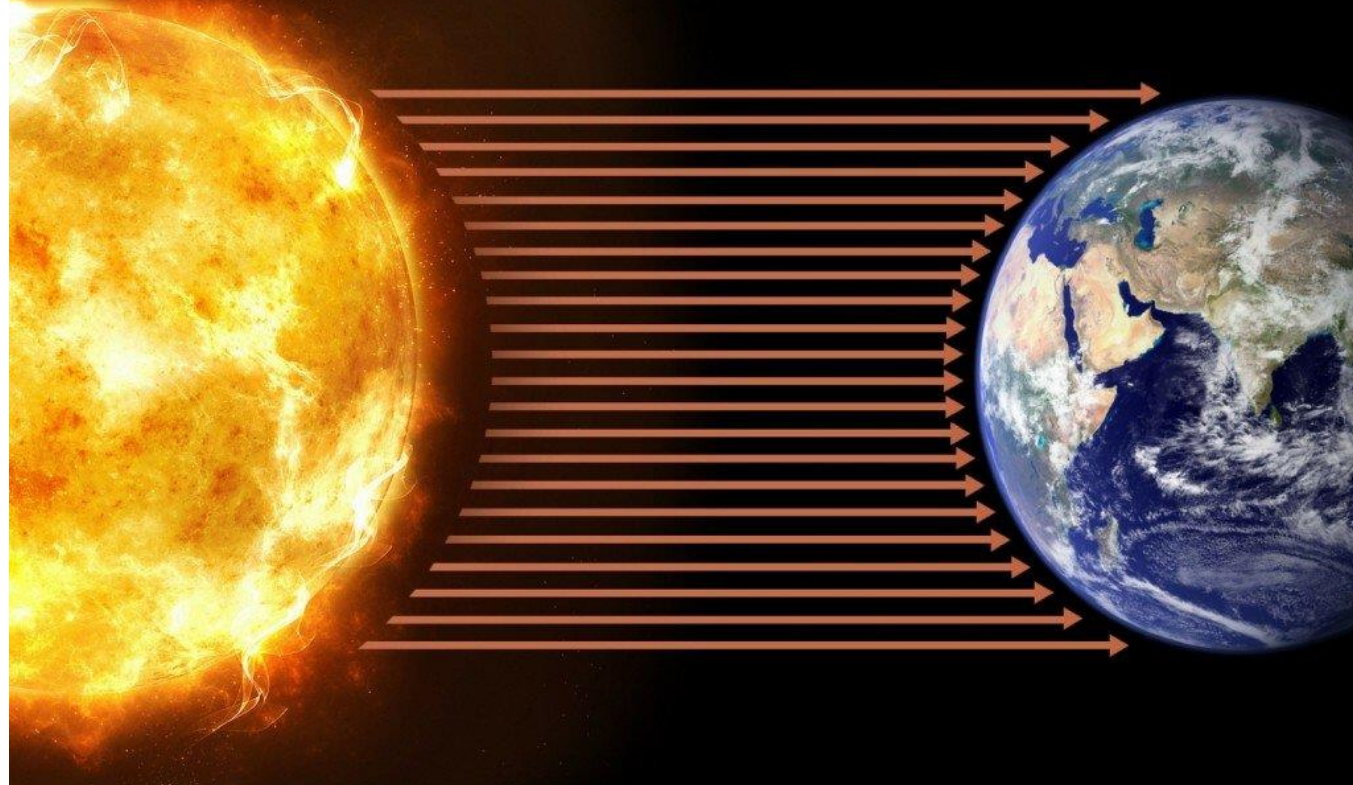


THE 1.5° CELSIUS SCENARIO

**Making sure the globe
doesn't heat up beyond that**











The European Green Deal

#EUGreenDeal

2050 TARGET OF 51% REDUCTION



Electricity

70%

Electricity generated
from renewable
sources by 2030



TIDAL

- Massive potential. Waves measure 30 m high last year with SEAI
- Predictable – Twice a day
- A little inconsistent
- Expensive and complicated
- In Ireland still in Research and Development
- Test sites in Galway, Cork and Mayo







SOLAR

- Cheapest technology to harness renewable energy
- Large scale solar still not widespread in Ireland
- Home energy grants available
- This will visibly rolled out hugely over the next 10 years.



WIND

- Wind energy in Ireland met 36.4% of electricity demand and provided over 86% of renewable electricity supply.
- Ireland is one of the best countries for wind energy, 3rd place globally.
- While there is a lot of on shore wind farms, going forward the solutions are with off shore.



Home / Technologies / Wind Energy

Wind Energy

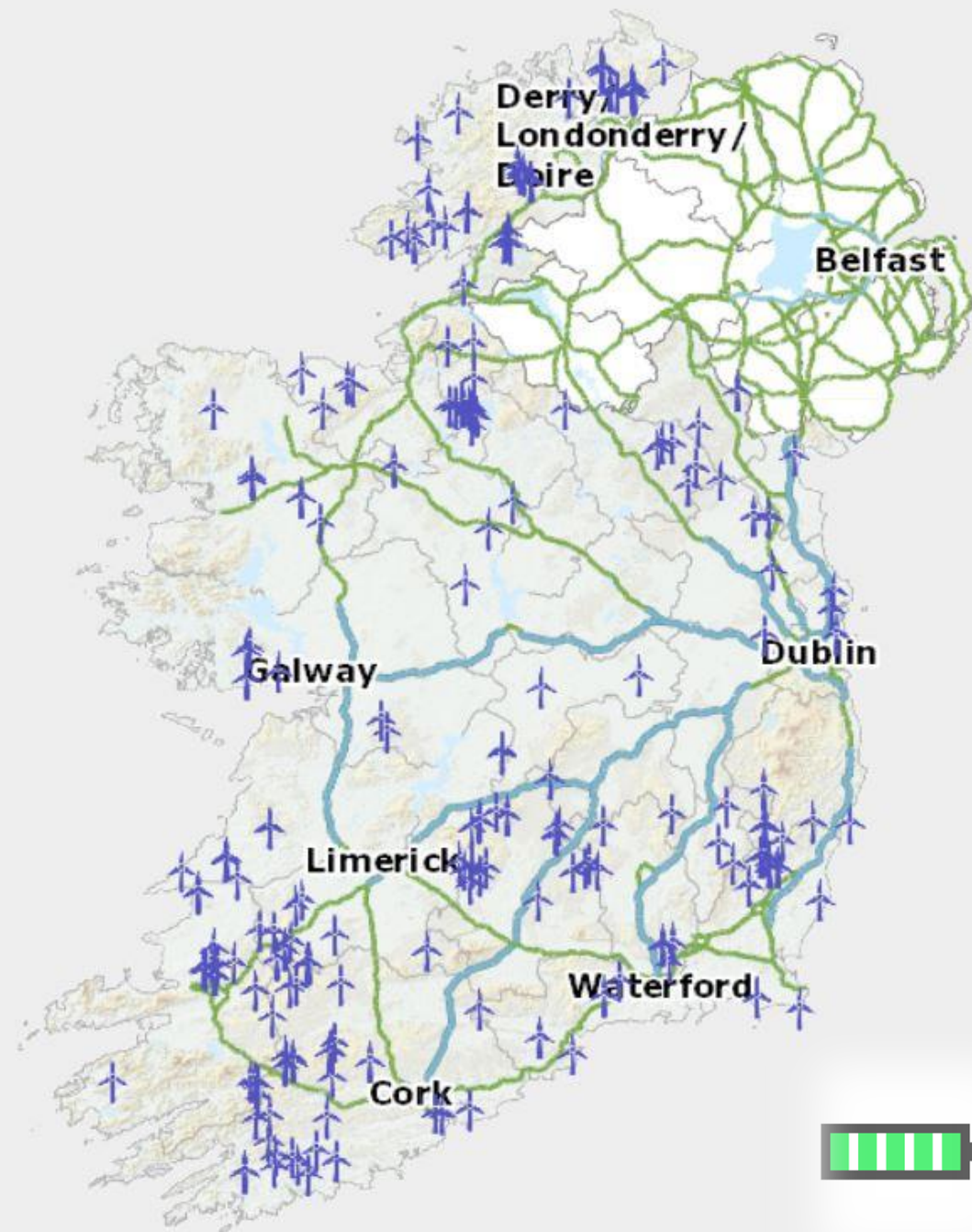
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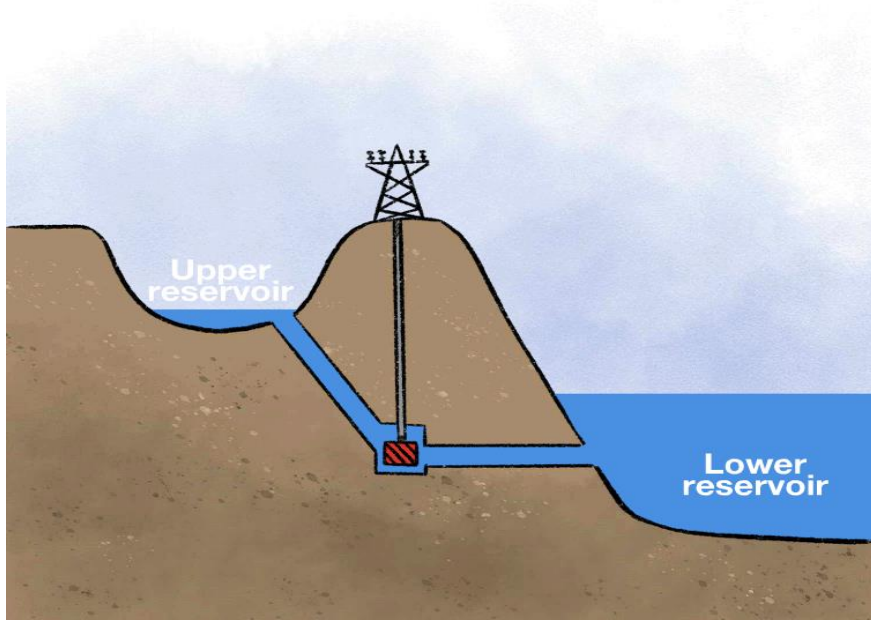
How wind energy is
created

Wind energy in Ireland

Wind farms in Ireland

The
win

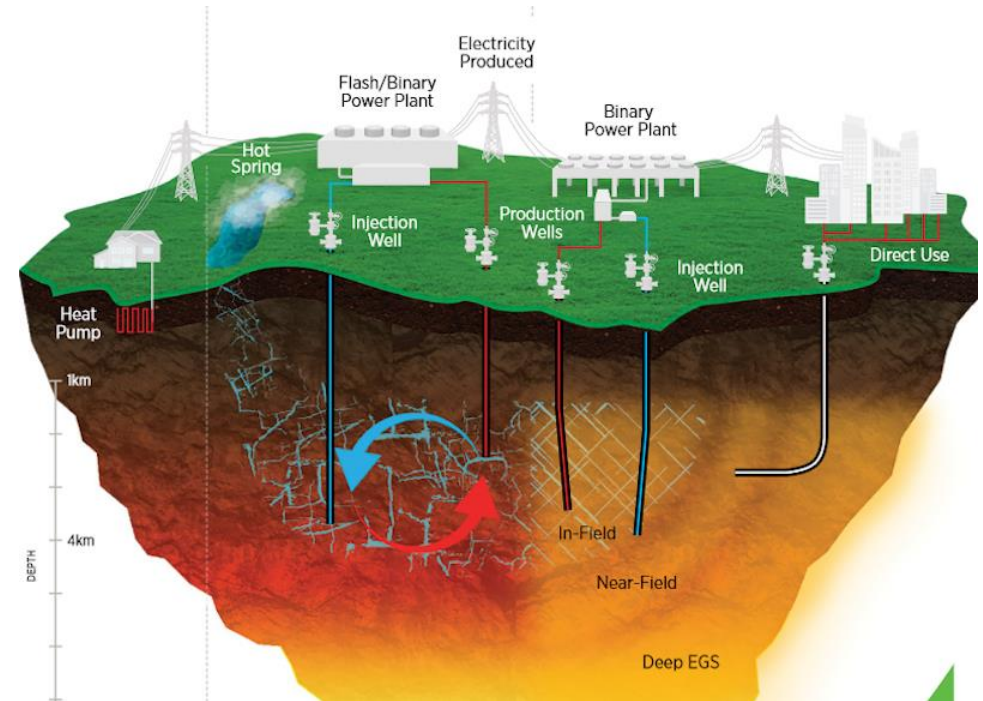
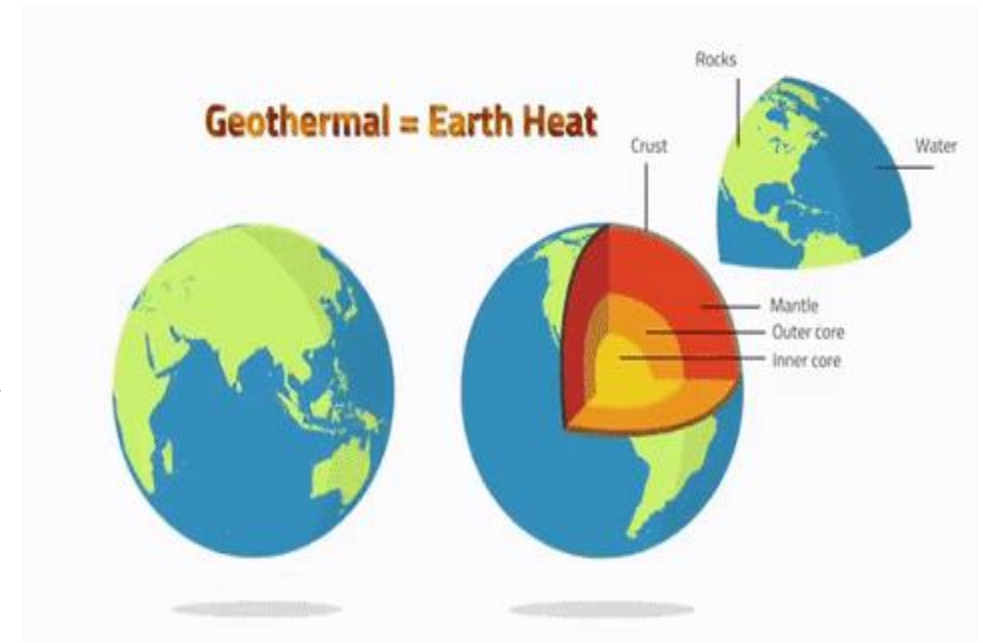
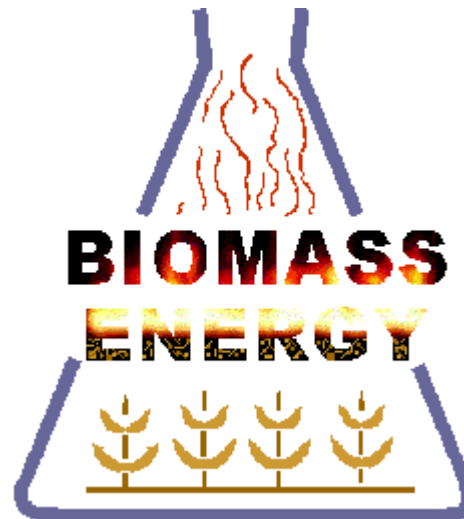




Hydro Energy

Biomass Energy

Geothermal Energy





500,000

existing homes to upgrade
to 'B2' equivalent BER by 2030

600,000

heat pumps installed by 2030

(of which 400,000 will be in existing buildings)



Reduce
the percentage of
municipal waste
sent to landfill to
10%
by 2035

**Reduce food waste by
50% by 2030**

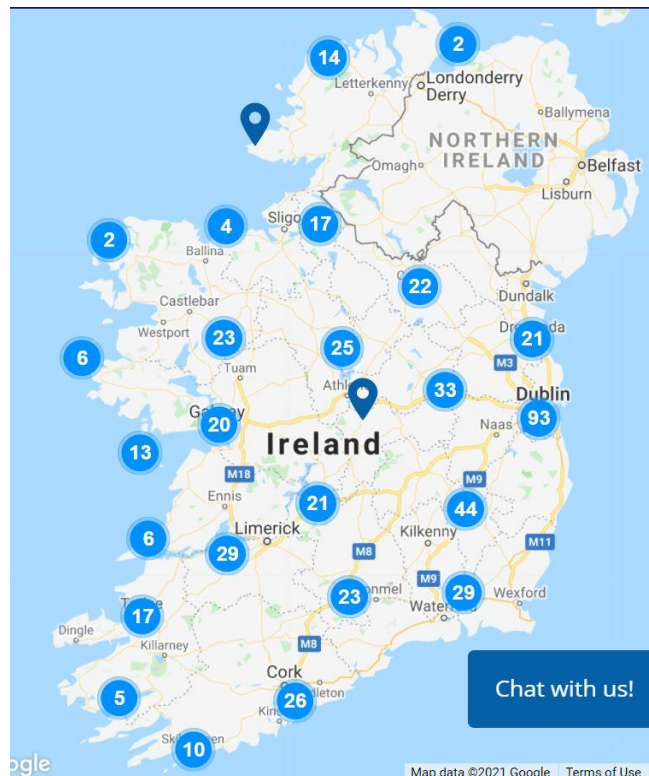


Increase the number of EVs by 2030 to circa



1 million

Build EV charging network
to stay ahead of demand



Collinstown Park Community College



90%

Reduction in lighting costs



30

Solar PV panels installed



50%

Reduction in electricity bills



50%

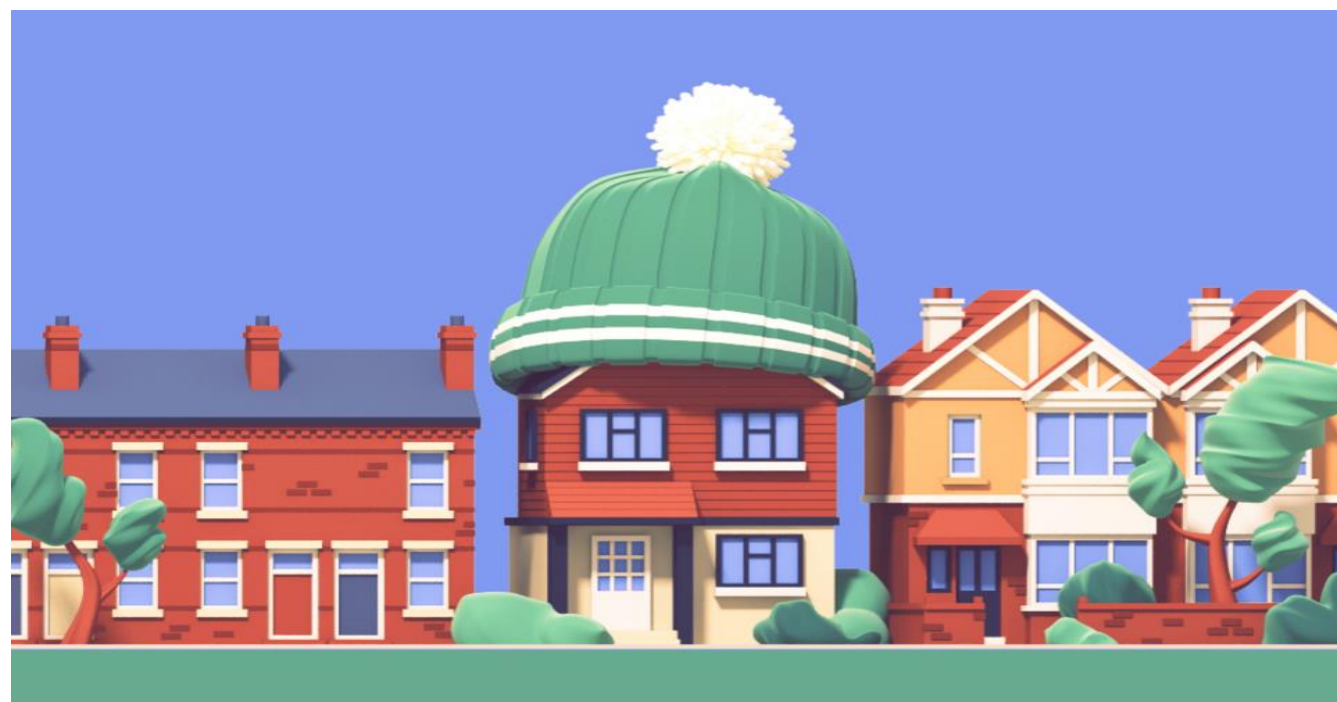
Funding from SEAI

Home / SEAI Energy Hub

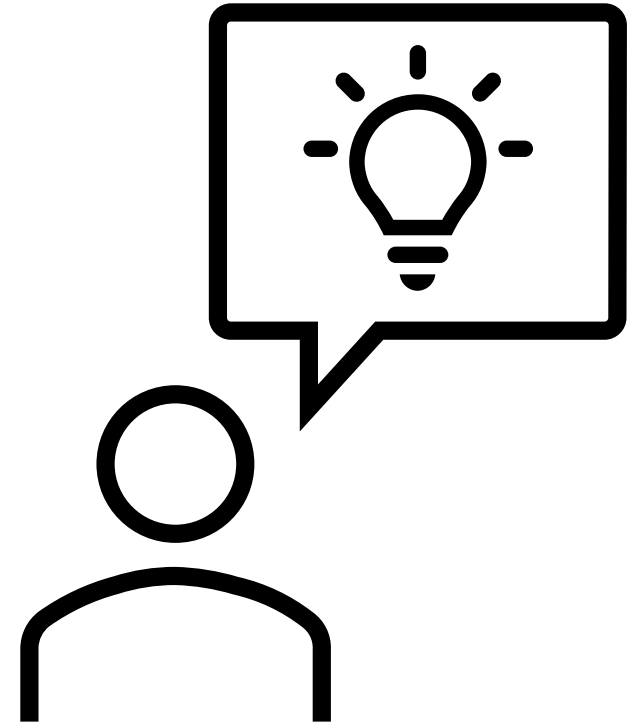
SEAI Energy Hub

Explore the best of our energy content in one place.

Chat with us!



What Can We Do?



Renewable Energy



Technologies

We are working at all levels of society and business to support the development of clean energy technologies in Ireland.

Energy Efficiency



Grants

SEAI grants are helping homeowners, business owners, communities, and large industries reduce their energy costs and greenhouse emissions. [Read more.](#)

Energy Saving



Community Energy

We're engaging with schools and communities across Ireland to change the way your community thinks about energy.

Renewable Energy



375gCO₂/kWh of
electricity – 2018

896gCO₂/kWh of
electricity – 1990

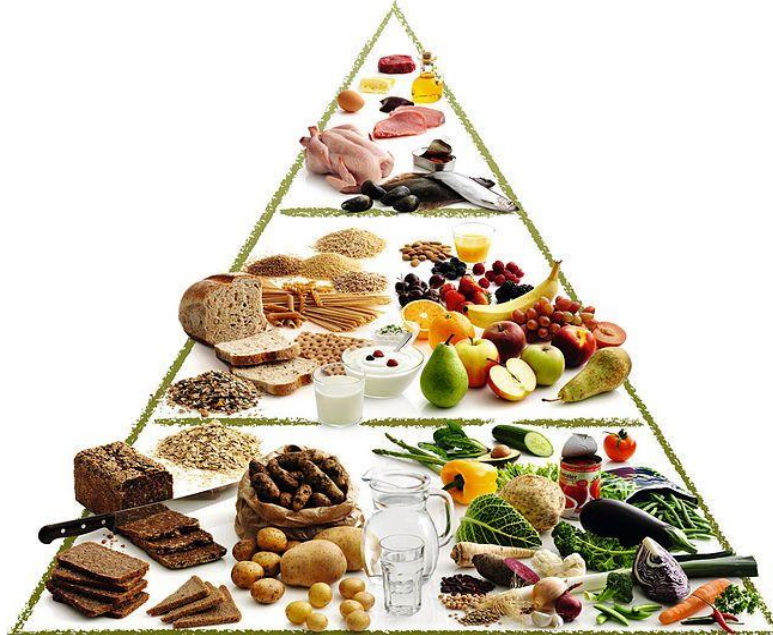
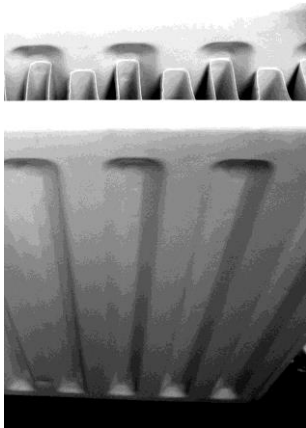
Energy Efficiency



Energy Saving



What can we do?



Other Actions



Overview

The Climate Action Plan is Ireland's roadmap to becoming a climate neutral economy and resilient society by 2050 (see the [2019 Climate Action Plan](#)). This means that the amount of greenhouse gases released into the atmosphere is

Closes 18 May 2021
Opened 23 Mar 2021

