Environmental Education – Small Actions With Big Impacts



















Reduce



Sometimes it's not possible to "Refuse" and that's when the "Reduce" comes in and it also has a huge impact



Reduce



Reduce - what we need

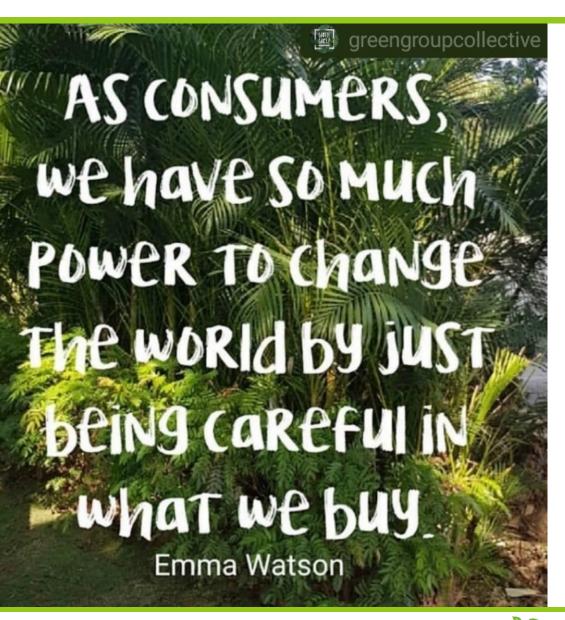




Before buying / getting something, we should think about

- do I really need this?
- Do I need all the products that appear in the ads and promise miracle solutions?
- don't I have something that has the same effect?
- can I get it in a more sustainable way (2nd hand or borrow)?

Reduce



"Stop buying crap and companies will stop making crap"

What can we do to save the Planet?

"The only thing we should all do, in a way that covers every aspect of our lives, is simply not to waste. Don't waste plastic, don't waste food, don't waste energy. Live within your means without harming the planet. This is a possibility and should be our goal."



David Attenborough



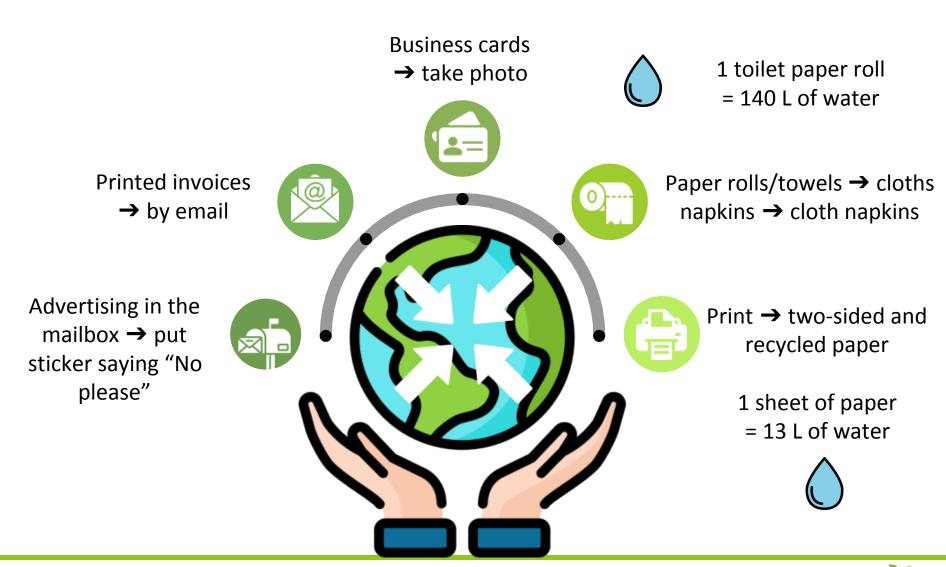
David Attenborough:

https://www.youtube.com/watch?v=r-91umZ7cQE



A Life On Our Planet

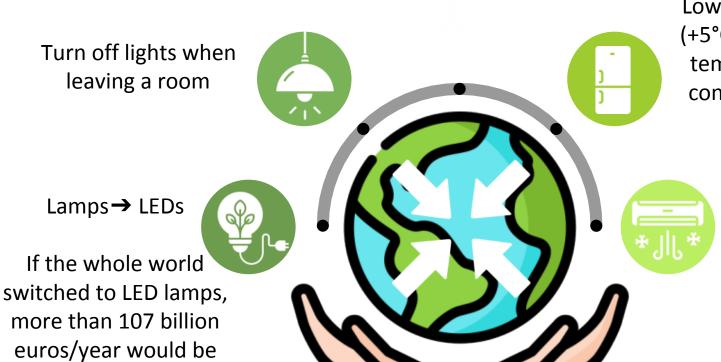
Waste of Paper



Waste of Energy

saved

Domestic consumption represents 29% of global energy (and 21% of the resulting CO₂ emissions)



Lowering the refrigerator (+5°C) and freezer (-18°C) temperatures increases consumption by around 10%

Going up 1°C in the air conditioning consumes 7% more energy

Source: Nações Unidas (<u>United Nations</u>), <u>Project Drawdown</u> e <u>EcoCasa</u>

Waste of Energy

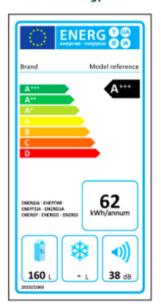


Home appliances → greater energy efficiency

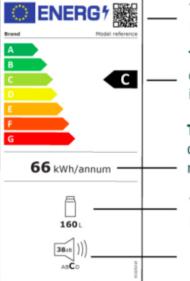
<u>Guide to reading labels</u> and the new scale considering the evolution of energy efficiency!

How to recognise a rescaled product?

Current energy label



New energy label



The QR code gives access to more information on the model

The rescaled energy efficiency class for this fridge, an A+++ in the previous label

The annual energy consumption of this fridge is calculated with refined methods

The volume of the fridge expressed in liters (L)

The noise level measured in decibels (dB) and using a four classes scale

The energy labels for a fridge without freezer

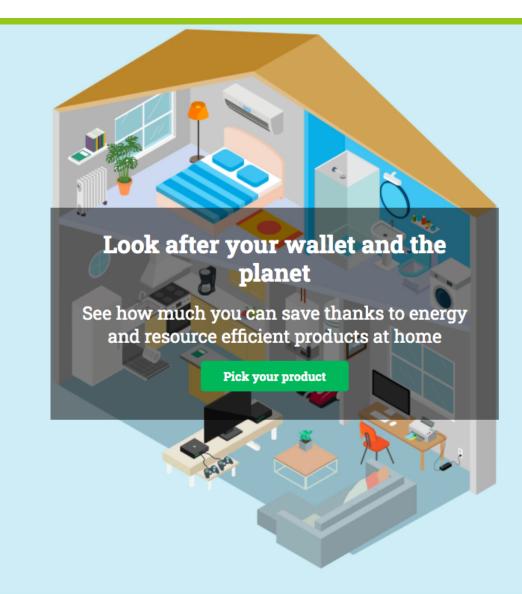
Cultivating Futures

How much can we save?



See how much we can save if we choose energy- and resource-efficient home products!

https://eeb.org/coolproducts/



Waste of Energy

Switch off the oven 10 - 15 minutes before using residual heat to finish cooking



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Source: <u>EcoCasa</u> e <u>European Commission</u>

Waste of Energy

Install solar panels

"Every time you spend money, you're casting a vote for the kind of world you want."
- Anna Lappe



Subscribe to a 100% renewable energy network service

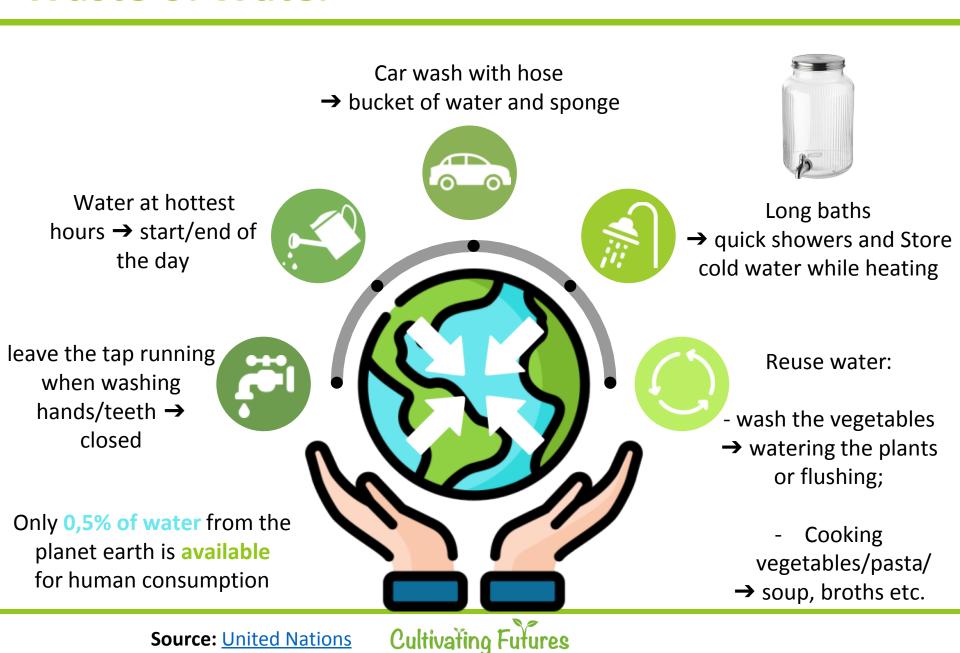
Coopérnico

EDP

-



Waste of Water



Waste of Water



Calculate how many liters of water you use per minute on your water taps

Cultivating Futures

Waste of Water

Fonte: **Bosh**

Dual flush cistern Repair leaks Do not dispose of waste in sewers **Use Ecological** Rainwater collection SOAP detergents systems Mind the Trash e Eco-X In general, Hidden waste 0--washing dishes in "Virtual Water" the machine is e.g. food waste more efficient Washing machines full and in Eco programs

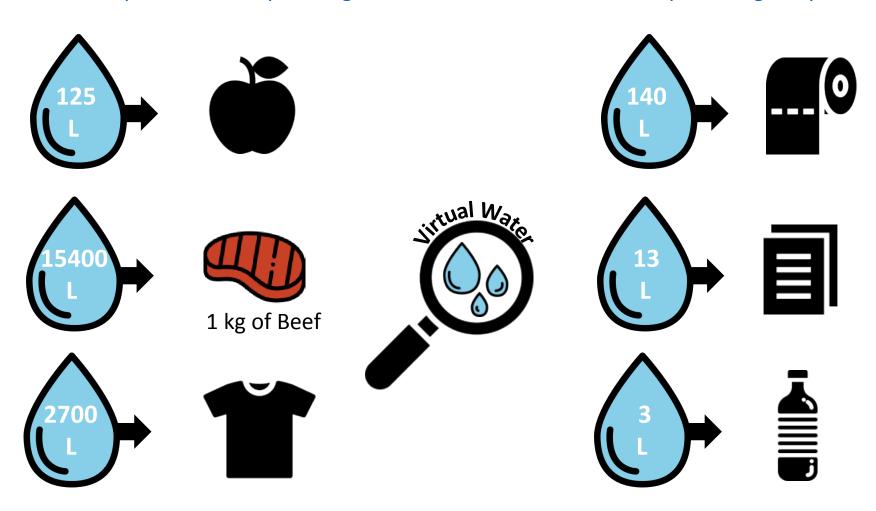
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Virtual Water



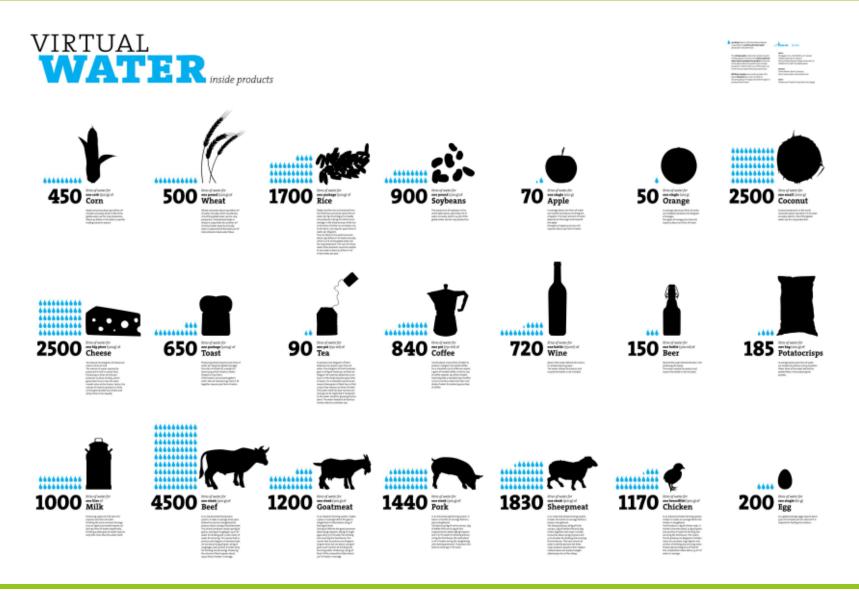
Amount of water used to produce:

https://waterfootprint.org/en/resources/interactive-tools/product-gallery/



Source: Waterfootprint, Watercalculator, BBC, United Nations, Portal da Água e Catarina Barreiros

Virtual Water





"Energy, let's save it!" (European Union, 2008) - https://www.youtube.com/watch?v=1-g73ty9v04



Aquastory - https://lisboaenova.org/en/aquastory/

The Value of Water for the Societies - https://www.youtube.com/watch?v=08ustwZt70s

If Water Could Speak

https://www.youtube.com/watch?v=jkiXAdJCdNE





Teacher's Resources for Water Education

https://www.usgs.gov/special-topic/water-science-school/science/teachers-resources-water-education?qt-science_center_objects=0#qt-science_center_objects



Educational Resources: Top Water Websites

https://www.watercalculator.org/resource/water-resources-for-educators/

Teaching Tools & Resources - All About Water https://thewaterproject.org/resources/



Learning resources + tours

https://www.melbournewater.com.au/water-data-and-education/learning-resources

Browse learning resources

Year level

Browse by **year level** to find what you need. If you're not an educator or student, choose **all ages**.

Foundation to year 2		Years 3-4		Years 5-6
Years 7-8	Years	9-10		



All ages

- Water cycle colouring activity
- Water cycle find-a-word activity
- Water in the home colouring activity
- Natural water cycle poster
- Urban water cycle poster
- Water words
- Take the Water Saving Pledge

Primary School

- Natural water cycle activity
- ▶ The ins and outs of drains
- ▶ Pipes
- Weird and wonderful water
- Bottled water
- Water for health and wellbeing
- Catchment protection
- Water storage features
- Recycled water

Early Learning, Foundation and Years 1 and 2

- After the drain book
- ▶ Before the glass
- ▶ Story of the raindrop
- Water for life
- Big book of water

Secondary School

- Careers in the water industry
- Water for health and wellbeing
- Melbourne Waters drip trip game
- Melbourne Water virtual tour of Western Treatment
 Plant

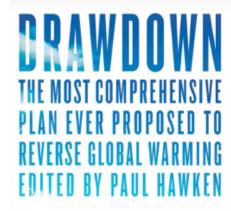


Actions with the greatest impact?

What individual actions can we take with the greatest impact on the environment?



Reduce food waste and adopt a plant-based diet!



Source: <u>Drawdown</u> Cultivating Futures

Actions with the greatest impact?

* Gigatons CO2 Equivalent Reduced / Sequestered (2020–2050)

	⇒ SECTOR(S)	▼ SCENARIO 1*	SCENARIO 2 *
Reduced Food Waste	Food, Agriculture, and Land Use / Land Sinks	87.45	94.56
Health and Education	Health and Education	85.42	85.42
Plant-Rich Diets	Food, Agriculture, and Land Use / Land Sinks	65.01	91.72
Refrigerant Management	Industry / Buildings	57.75	57.75
Tropical Forest Restoration	Land Sinks	54.45	85.14
Onshore Wind Turbines	Electricity	47.21	147.72
Alternative Refrigerants	Industry / Buildings	43.53	50.53
Utility-Scale Solar Photovoltaics	Electricity	42.32	119.13
Improved Clean Cookstoves	Buildings	31.34	72.65
Distributed Solar Photovoltaics	Electricity	27.98	68.64
Silvopasture	Land Sinks	26.58	42.31
Peatland Protection and Rewetting	Food, Agriculture, and Land Use / Land Sinks	26.03	41.93
Tree Plantations (on Degraded Land)	Land Sinks	22.24	35.94
Temperate Forest Restoration	Land Sinks	19.42	27.85
Concentrated Solar Power	Electricity	18.60	23.96
Insulation	Electricity / Buildings	16.97	19.01

Source: <u>Drawdown</u>



Actions with the greatest impact?

REDUCED FOOD WASTE

REDUCE SOURCES → ■ Food, Agriculture, and Land Use → Address Waste and Diets

SUPPORT SINKS → ■ Land Sinks → Address Waste and Diets

87.45-94.56

GIGATONS

CO2 EQUIVALENT REDUCED / SEQUESTERED (2020–2050)

Roughly a third of the world's food is never eaten, which means land and resources used and greenhouse gases emitted in producing it were unnecessary. Interventions can reduce loss and waste, as food moves from farm to fork, thereby reducing overall demand.

SOLUTION SUMMARY*

A third of the food raised or prepared does not make it from farm or factory to fork. Producing uneaten food squanders a whole host of resources—seeds, water, energy, land, fertilizer, hours of labor, financial capital—and generates greenhouse gases at every stage—including methane when organic matter lands in the global rubbish bin. The food we waste is responsible for roughly 8 percent of global emissions.

Losing food to one waste heap or another is an issue in both high- and low-income countries. In places where income is low, wastage is generally unintentional and occurs earlier in the supply chain—food rots on farms or spoils during storage or distribution. In regions of higher income, willful food waste dominates farther along the supply chain. Retailers and consumers reject food based on bumps, bruises, and coloring, or simply order, buy, and serve too much.

There are numerous and varied ways to address key waste points. In lower-income countries, improving infrastructure for storage,







"We are too many and we will still be more...
there is no capacity to feed so many people" - Popular Thought





This statement is false, there is in fact the capacity to feed everyone on the planet!

There shouldn't be people starving to death!





1/3 of global food is wasted

= waste all the resources used since it is produced until it reaches us (cultivation or production, processing, packaging, transport, consumption, etc.).















Domestic = 53 % (UE)





1 milhão/ano em Portugal







Climate change

Emission of greenhouse gases equivalent to the global land transport network.

If World Food Waste were a country, it would be the third largest emitter after China and the United States.

Buy "ugly" or solitary fruits and vegetables Buy in bulk in required quantities Buy seasonal and local https://agranel.pt/ Meal Plan and make Make several meals a List for the week

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Freeze food

Understanding 'best before' and 'use-by' dates on food labels.

- use-by date relating to food safety
- **best before date** relating to food quality

- <u>Link</u>



Cooking with less waste and use leftovers for new meals

Store food correctly

"Eat first" box



Sources to consult: <u>Ecology center</u>

What is ethylene?

Ethylene is a gas released by some fruits and vegetables that causes produce to ripen faster. Some fruits and vegetables are more sensitive to ethylene than others.

Why should I care?

Fruits and vegetables that are stored incorrectly spoil quickly. This could mean lost profit for you.

Do not display fruits and vegetables that are sensitive to ethylene near fruits and vegetables that produce it.

5 What can I do?

- Do not store fruits
 and vegetables that
 produce ethylene with those
 that are sensitive to ethylene.
 For example, do not store bananas
 and apples next to each other. This
 applies to produce that is refrigerated
 and not refrigerated.
- Do not store produce in bags or sealed containers. This will trap the gas and cause the produce to ripen faster.

Ethylene Sensitive

Apples Asparagus Avocados Bananas Broccoli Cantaloupe Collard Greens Cucumber Eggplant Grapes Honeydew Kiwi Lemons Lettuce Limes Mangos Onions Peaches Pears Peppers Squash Sweet Potatoes Watermelon

Ethylene Producers

Apples

Avocados Bananas Cantaloupe Kiwi Peaches Pears Peppers Tomatoes

Not Ethylene Sensitive

Blueberries Cherries Beans (Snap) Garlic Grapefruit Oranges Pineapple Potatoes Raspberries Strawberries Tomatoes Yucca

Source: ucsd community health



Sources to consult: <u>Ecology center</u>



Blackberries, Raspberries and, strawberries

Fridge. Do not wash until eating. Keep in a paper bag/box or in a container with a cloth/towel underneath.

Blackberries,
Raspberries - store in a
container on a single level
or layer.



Tomato

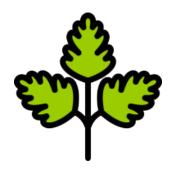
Store at room temperature.
Don't put it in the fridge.



Carot

Fridge. Remove the leafs. Store it in a container (with water or a wet towel).

Sources to consult: <u>Ecology center</u>



Parsley, Coriander and leek

Fridge, inside a bottle of water.



Basil

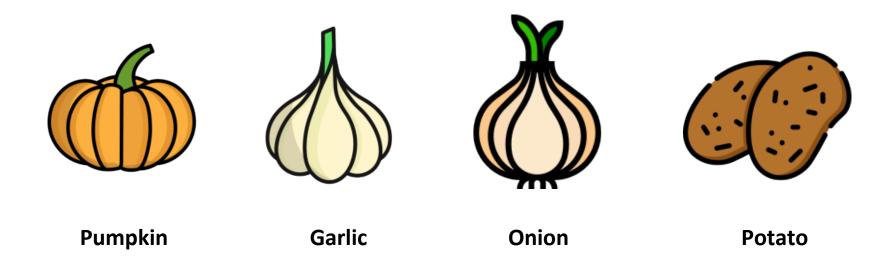
Fridge. Lasts longer inside a humid cloth



Arugula, lettuce, spinach and other vegetables

Fridge. Place wrapped in a humid cloth

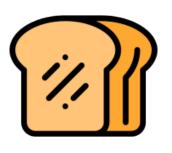
Sources to consult: <u>Ecology center</u>



Room temperature, dark, cool, dry and with good air circulation.

Give food a second life

Sources to consult: **Ecology center**









Bread
Croutons
(e.g. olive oil,
salt,pepper,
Rosemary)

Coffee grounds
Exfoliating
fertilizer for the plants

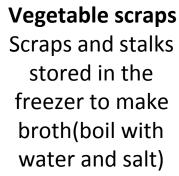
Vegetable top / leafs
Pestos, stir-fries,
Quiches, soups

Herbs
"Ice cubes" with
aromatics with
water or olive oil

Give food a second life

Sources to consult: <u>Ecology center</u>







Cooking water
Boiling water of legumes

→ for broth or soup

Chickpea boiling water (aquafaba) → "egg whites"



Ripe fruitJuices, porridges, fruit cakes, jams



Remains of sauces freeze in "ice cubes"

Food Regrow and Compost



"In Nature nothing is lost, nothing is created, everything is transformed" - Antoine Lavoisier





Food Waste - Resources

Love food hate waste - website with recipes with leftovers and waste https://lovefoodhatewaste.com/recipes

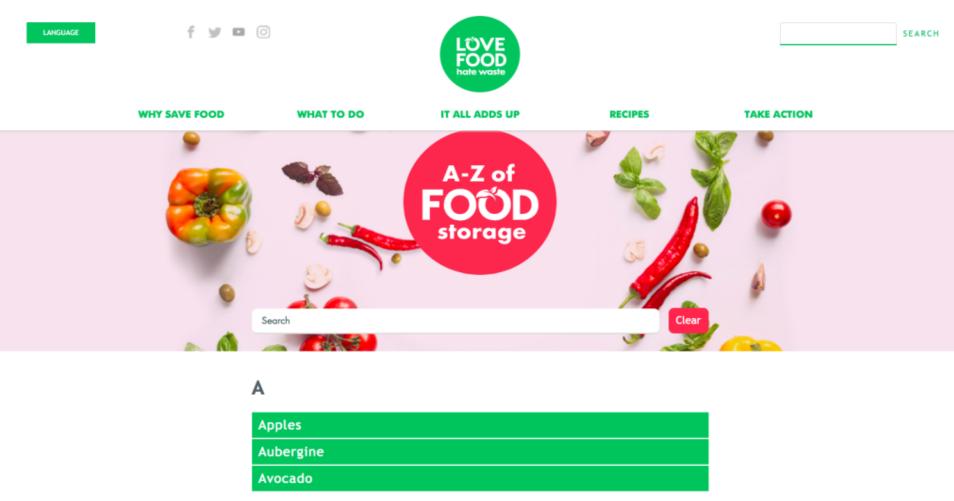






Food Waste - Resources

Love food hate waste - site with suggestions on how to store different products https://lovefoodhatewaste.com/article/food-storage-a-z





Save the Food - site with countless suggestions for planning, recipes and storage.

https://savethefood.com/storage

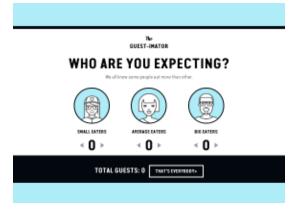
SAVETHEFOOD.COM

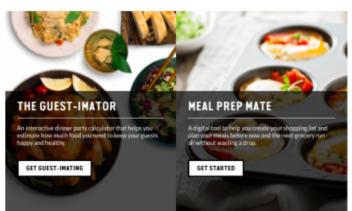
PLAN IT

A FULL SUITE OF TIPS AND INTERACTIVE TOOLS TO HELP YOU START PLANNING SMARTER AND SAYING FOOD RIGHT NOW.



TOOLS





⊗	STEP 1 HOW MARY PEOPLE ARE YOU COOKING FOR?	
		- 1 +
(a)	STEP 2 HOW MARY DAYS ARE YOU COOKING FOR?	
		3 4 5
(8)	STEP 3 WHICH HOU, S DO YOU MANT TO PREP FOR?	
		€ 2 €



Save the Food - site with countless suggestions for planning, recipes and storage.

https://savethefood.com/storage

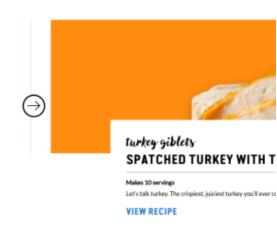




FEATURED RECIPES









Save the Food - site with countless suggestions for planning, recipes and storage. https://savethefood.com/storage

SAVETHEFOOD.COM

PLANNING

DECIDES

STORAGE

COMMUNITY

JOIN US

STORE IT

OUR INTERACTIVE STORAGE GUIDE -WITH TIPS, TRICKS, AND INFO TO KEEP YOUR FOOD FRESH AND TASTY FOR AS LONG AS POSSIBLE.



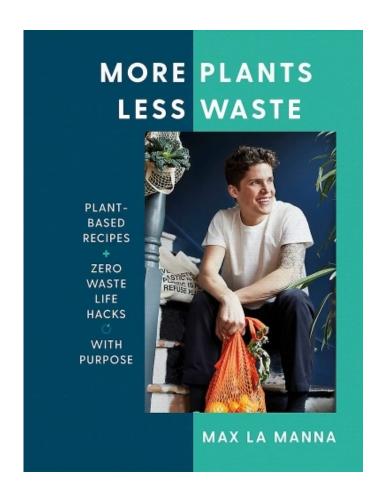
- **▶** BEANS, NUTS & PROTEINS
- **▶** OILS, CONDIMENTS & SPICES
- ▶ DAIRY & EGGS
- **▶ PANTRY STAPLES**
- ► MEAT, POULTRY & SEAFOOD
- ▶ FRUITS
- ▶ VEGETABLES

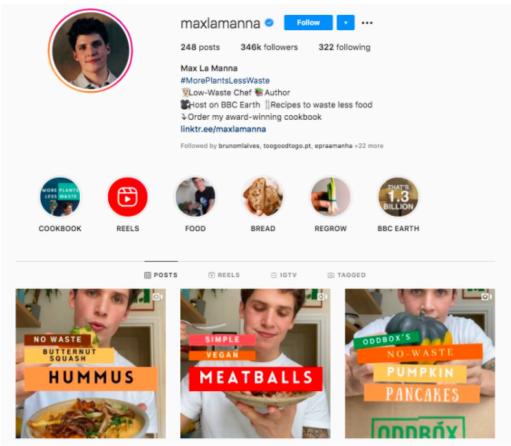


CHOOSE ANY FOOD FROM THE MENU AND LEARN EVERYTHING YOU NEED ABOUT HOW TO STORE IT.



Book <u>more plants less waste</u> de Max La Manna





Food Waste - Projects



Refood - aims to Eliminate food waste and hunger by collecting excess food from different institutions and distributing to those in need.

https://www.re-food.org/pt





Fruta feia (Ugly fruit) - created an alternative market (Ugly Fruit baskets) for "ugly" fruits and vegetables that, due to consumption patterns, would be wasted.

https://frutafeia.pt/pt/projecto















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Food Waste - Apps



Too Good to Go - "Say no to food waste" - an app where you can buy products/meals in stores/restaurants that would otherwise be wasted at reduced

https://toogoodtogo.org/en





Phenix - "Together we avoid waste" App - Take concrete action against waste, buying excess that would go to waste from stores in your neighborhood.

https://wearephenix.com/pt-pt/

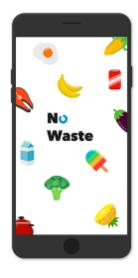


Food Waste - Apps



NoWaste - Easily track, organize and manage the food in your home! With lists for your freezer, fridge and pantry, you can easily check what food you have left, see what food you need to use first, plan your meals, create a shopping list, avoid unnecessary purchases, reduce food waste and save a bunch of money.

https://www.nowasteapp.com/





Olio - Join millions of neighbours all over the world who are using OLIO to share more, care more and waste less. Give & get free stuff, borrow & lend household items, and shop homemade — all directly from your community. Fight waste. Help your neighbours. Save our planet. Feel amazing!

https://olioex.com/





Reflective video (European Union)

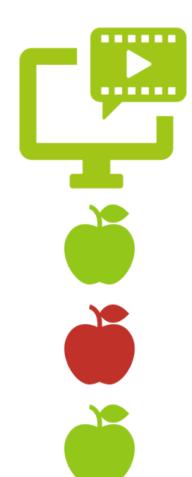
https://audiovisual.ec.europa.eu/en/video/I-111438

Food Waste Video (FAO)

https://www.youtube.com/watch?v=IoCVrkcaH6Q

FAO Platform

http://www.fao.org/platform-food-loss-waste/en/



Educational Activities

http://www.fao.org/3/ca0995en/CA0995EN.pdf

Food Waste Warrior Toolkit

https://www.worldwildlife.org/teaching-resources/toolkits/food-waste-warrior-toolkit

Food waste lesson Plans

https://lovefoodhatewaste.co.nz/food-waste-lesson-plans/

Teaching resources

https://www.zerowastescotland.org.uk/food-waste/teaching-resources/primary

Food Waste - Documentaries



- **1.** "Just Eat It: A Food Waste Story" In this 2014 movie, filmmakers experiment with eating only wasted food. The results are... interesting.
- 2. "Wasted! The Story of Food Waste" this movie shows how famous chefs enjoy all kinds of food, turning surplus into amazing dishes. It has the participation of Anthony Bourdain.
- **3.** "Taste the Waste" a film that explores food waste in Europe from farm to fork.
- **4.** "Expired? Food Waste in America" this short film shows how misleading food labeling in the US leads to more than 160 billion tons being wasted annually.

Source: togoodtogo.pt



Actions with the greatest impact!

* Gigatons CO2 Equivalent Reduced / Sequestered (2020–2050)

SOLUTION	SECTOR(S)	▼ SCENARIO 1*	
Reduced Food Waste	Food, Agriculture, and Land Use / Land Sinks	87.45	94.56
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Source: <u>Drawdown</u>



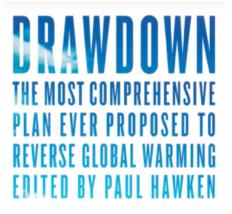
Actions with the greatest impact!

Project Drawdown - Reduce food waste and adopt a plant-based diet

What individual actions can we take with the greatest impact on the environment?

Adopt a plantbased diet





Source: <u>Drawdown</u>

Actions with the greatest impact!

PLANT-RICH DIETS

REDUCE SOURCES → ■ Food, Agriculture, and Land Use → Address Waste and Diets

SUPPORT SINKS → ■ Land Sinks → Address Waste and Diets



65.01-91.72

GIGATONS

CO2 EQUIVALENT REDUCED / SEQUESTERED (2020–2050)

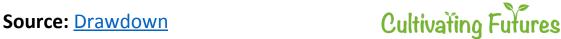
Consumption of meat and dairy, as well as overall calories, often exceeds nutritional recommendations. Paring down and favoring plant-based foods reduces demand, thereby reducing land clearing, fertilizer use, burping cattle, and greenhouse gas emissions.

SOLUTION SUMMARY*

Shifting to a diet rich in plants is a demand-side solution to global warming that runs counter to the meat-centric Western diet on the rise globally. That diet comes with a steep climate price tag: one-fifth of global emissions. If cattle were their own nation, they would be the world's third-largest emitter of greenhouse gases.

Plant-rich diets reduce emissions and also tend to be healthier, leading to lower rates of chronic disease. According to a 2016 study, business-as-usual emissions could be reduced by as much as 70 percent through adopting a vegan diet and 63 percent for a vegetarian diet, which includes cheese, milk, and eggs. \$1 trillion in annual health-care costs and lost productivity would be saved.

Bringing about dietary change is not simple because eating is profoundly personal and cultural, but promising strategies abound. Plant-based options must be available, visible, and enticing, including high-quality meat substitutes. Also critical: ending price-distorting

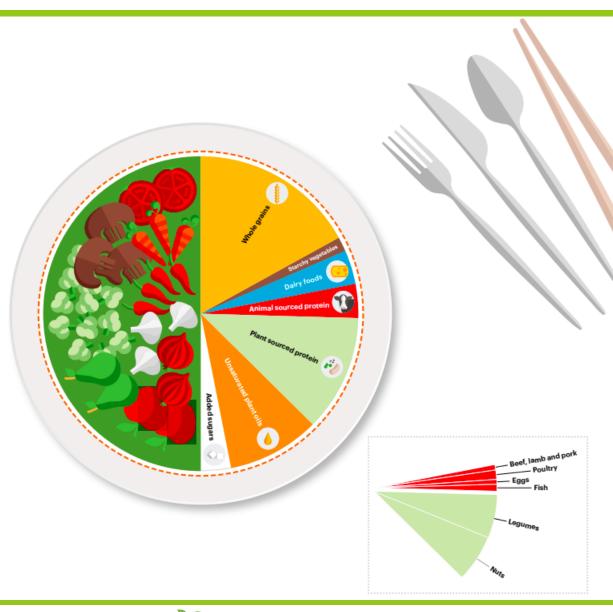


Healthier and more sustainable diet?

Reduce - let's start with a meal, every meal has a huge impact

Eat Lancet Commission - answering the question "What is the healthy and sustainable diet that we should adopt to feed the world?"

Plant-based food - Increase vegetable consumption and reduce animal protein consumption.



Source: Eat lancet (report)



Planet based Diets

Planet-based diets (WWF) - https://planetbaseddiets.panda.org/

"Planet-Based diets are "win-win" consumption patterns that are high on human health benefits and low on environmental impacts."



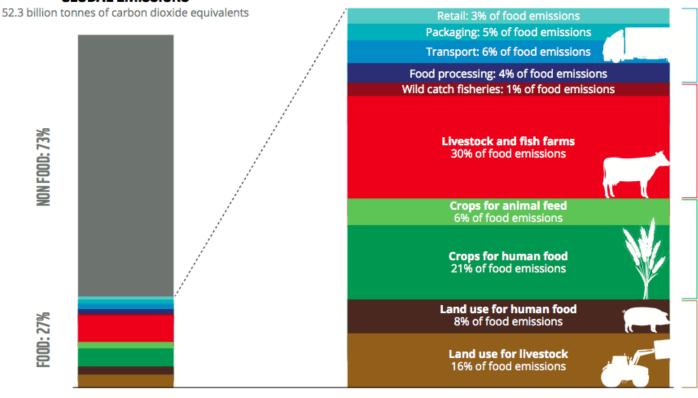


The impact of our food

"You want to reduce the carbon footprint of your food?
Focus on what you eat, not just the package or if your food is local"
- (Our World in Data)

Report Bending the curve (WWF)





SUPPLY CHAIN 18%

11%

Methane from cattle's digestion ("enteric fermentation") Emmisions from manure management Emissions from pasture management Fuel use from fisheries

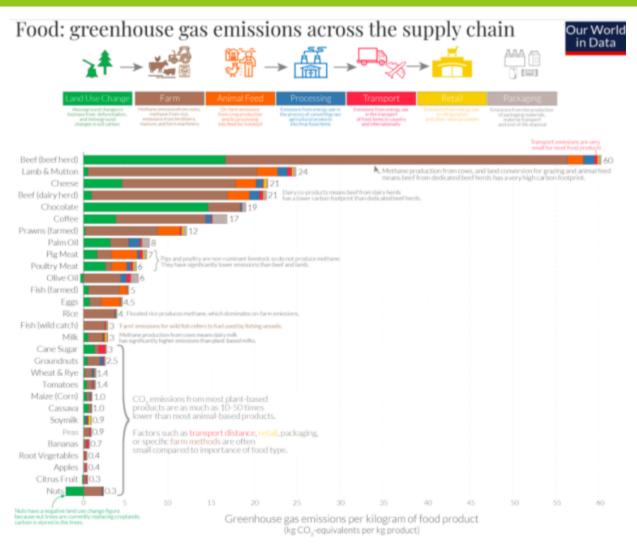
CROP PRODUCTION 27%

LAND USE 24%

Land use change: 18% Cultivated organic soils: 4% Savannah burning: 2%

Source: Report Bending the curve (WWF) Cultivating Futures

Is no packaging and local the most important?



Note: Greenhouse gas emissions are given as global average values based on data across 38,700 commercially viable farms in 119 countries.

Data source: Poore and Nemecok (2018). Resourch and data to make progress against the world's largest problems.

Licensed under CC-BY by the author Hannah Ritchie

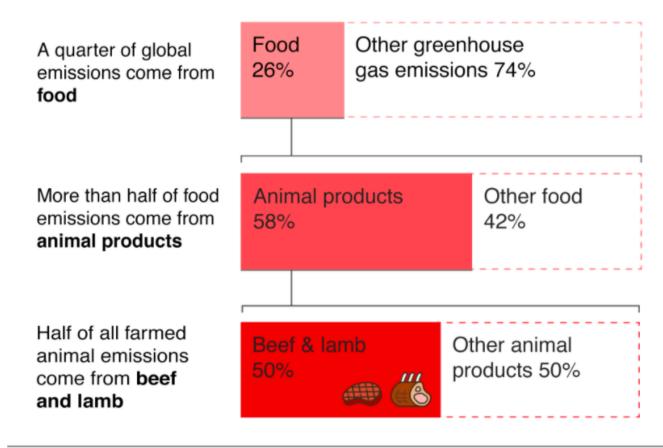
Source: Our world in data



Carbon Footprint of Food

How much impact does food have?

Proportion of total greenhouse gas emissions from food



Source: Poore & Nemecek (2018), Science

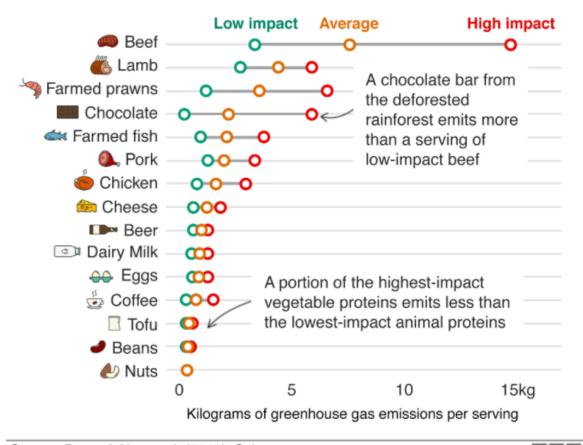




Carbon Footprint of Food

Beef has the biggest carbon footprint - but the same food can have a range of impacts

Kilograms of greenhouse gas emissions per serving



Source: Poore & Nemecek (2018), Science

Source: BBC





What's your diet's carbon footprint?

Climate change food calculator: What's your diet's carbon footprint? <u>Calculate it here</u> (BBC)

1 kg of beef = 15400 L of water





Reduce consumption 1/2 times per week

After a year =



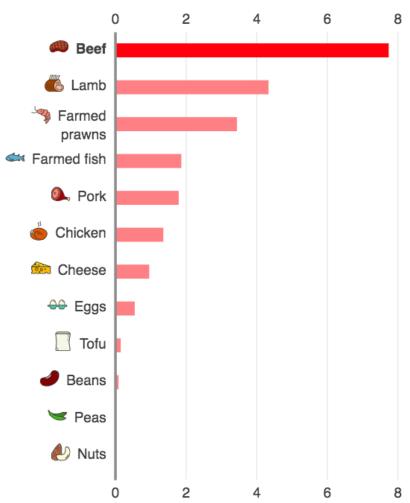
604 kg of CO₂ emissions =2482 km by car (8 trips Lisbon - Porto)



6 fields of tennis courts of land

How proteins compare

Kilograms of greenhouse gases per serving

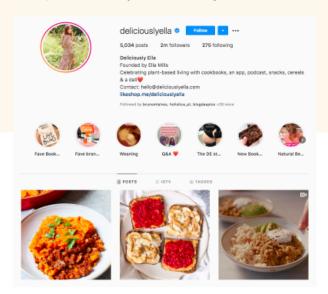


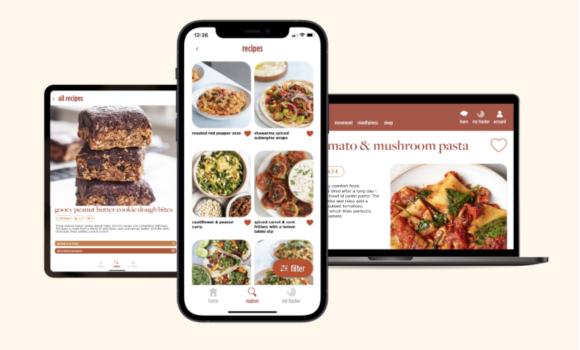
Source: **BBC**

Plant-based food - Inspiration

700+ plant-based recipes

hundreds of simple & delicious recipes for all occasions and abilities, with new recipes added every week





Food Waste - Activity suggestion



Organize a workshop/community dinner about: How to cook with less waste and plant-based food



Food Waste - Activity suggestion



Documentaries / Videos recommendation

Cowspiracy

https://www.youtube.com/watch?v=dSjE8xw_-Dg

Video - Why do we need to change our food system? https://www.youtube.com/watch?v=VcL3BQeteCc&feature=youtu.be

Video - What would happen if the world went vegetarian? https://ed.ted.com/featured/dolIWkHI







Reduce Pollution (inc. Greenhouse Gases)



Climate change

"Ensure that the global average temperature rise stays below 2 °C above pre-industrial levels and continue efforts to limit the temperature rise to up to 1.5 °C above pre-industrial levels, recognizing that this will significantly reduce impacts of climate change"

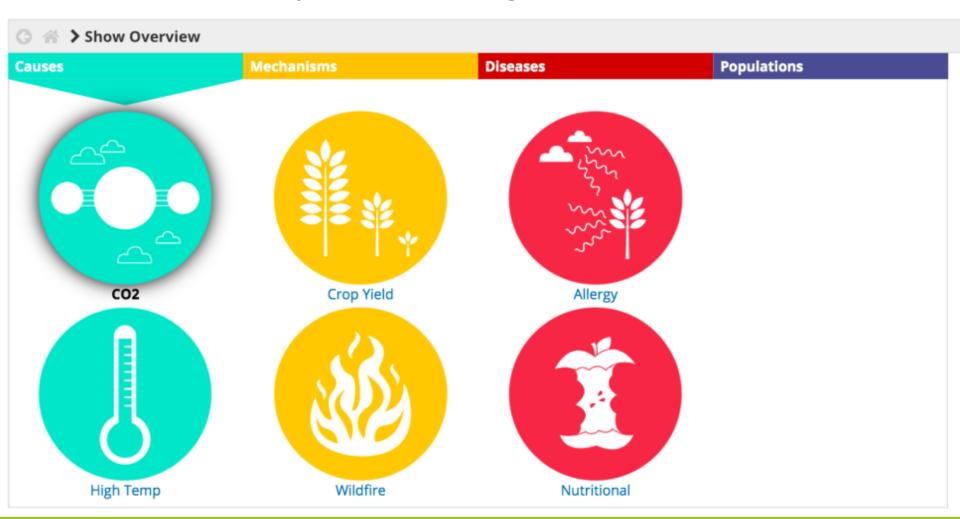
- Paris Agreement, approved by 195 countries in 2015, at the UN climate conference (COP21)



How is it all interconnected?

What is the impact of climate change?

<u>Simulator of the impacts of climate change and how is it all interconnected?</u>



Activity suggestion - Create a bike park in your school



Share your suggestions ©

CEP Tenerife Sur

Activity suggestion - Bike "trains" to school







Vem experimentar esta viagem! Traz a tua bicicleta e vai a pedalar até à escola!

PROGRAMA DE MOBILIDADE ESCOLAR

COMBOIOS DE BICICLETAS DE LISBOA



Activity suggestion - Community bike rides







Sugestão – Bicycle Community officine



Cultivating Futures





Cicloficina dos Anjos



Resources - General activities

"Doing the 4Rs A Classroom Activity Guide to Teach Reduce, Reuse, Recycle and Rot" (Inglês) - http://www.stopwaste.org/resource/doing-4rs-classroom-activity-guide-teach-reduce-reuse-recycle-and-rot



□ Reduce food waste – box "eat me first";
 □ Plan your meals and make a list;
 □ Buy "ugly" / "lonely" fruits and vegetables;
 □ Store the food properly so it can last longer;
 □ Check expiration dates properly;
 □ Freeze food that won't be eaten anytime soon;
 □ Cook with less waste and use the scraps to make new recipes;
 □ Reduce animal products' consumption;
 □ Walk more, ride a bicycle or use public transportation;



□ Save water in general;
 □ Close the tap while washing your hands / teeth / etc.;
 □ Don't water your plants during the heat hours, instead do it at the beginning / end of the day;
 □ Wash your car with a bucket and sponge instead of a hose;
 □ Collect the cold water when starting to shower;
 □ Reuse the water from washing vegetables or boiling vegetables / legumes / pasta / rice;
 □ Put a flow reducer on taps and showers;
 □ Don't litter onto the sewer;
 □ Double flush toilet system;
 □ Rain collecting systems (it can be a bucket on the balcony);



□ Save paper, think before printing, use both sides of the sheet or draft sheets;
 □ Replace paper towels, baby wipes and synthetic cleaning cloths with reusable options (cloth rags, etc.);
 □ Replace toilet paper with the use of the bidet or other alternatives;
 □ Opt for cloth napkins;
 □ Choose cloth tissues;



□ Save energy in general;
 □ Turn off the lights when leaving a room;
 □ Turn off stand-by devices and choose button sockets;
 □ Switch to LED lamps (when the ones you have, blow);
 □ Opt for rechargeable batteries;
 □ Choose higher energetic efficiency household appliances;
 □ Don't lower the temperature of the fridge (+5°C) and freezer (-18°C);
 □ Reduce the use of air-condition / heaters;
 □ Make full use each time you turn on the oven;
 □ Dry your clothes in the sun and not in a dryer;
 □ Only use the dishwasher and laundry washing machine when full and on ECO mode;
 □ Install solar panels / sign with 100% renewable energy services;



A Common Cause! Our planet!



"We are at a unique stage in our history. Never before have we had such an awareness of what we are doing to the planet, and never before have we had the power to do something about that. Surely we all have a responsibility to care for our Blue Planet. The future of humanity and indeed, all life on earth, now depends on us.



- David Attenborough

