

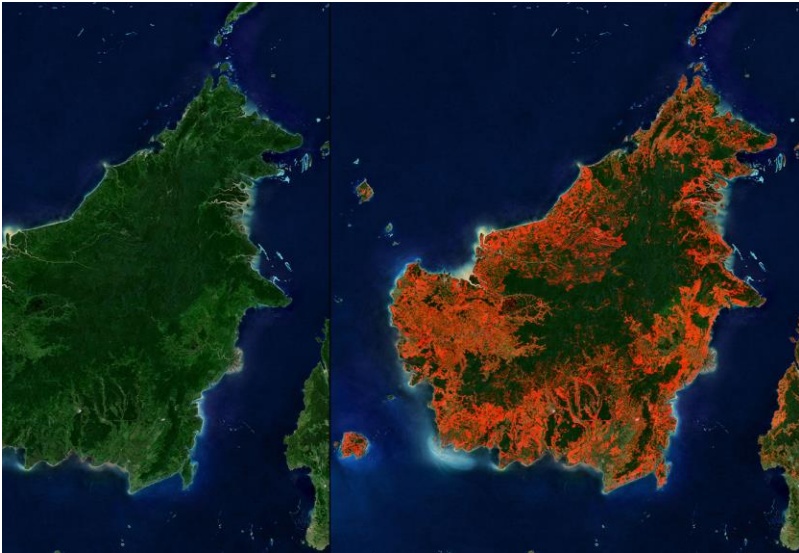
A photograph of an orangutan sitting on a tree branch in a lush green forest. The orangutan has reddish-brown fur and is looking towards the camera. The background is filled with green leaves and tree trunks.

Climate Change, Sustainable Living... And YOU

A Conversation About How We Can All Find A Solution



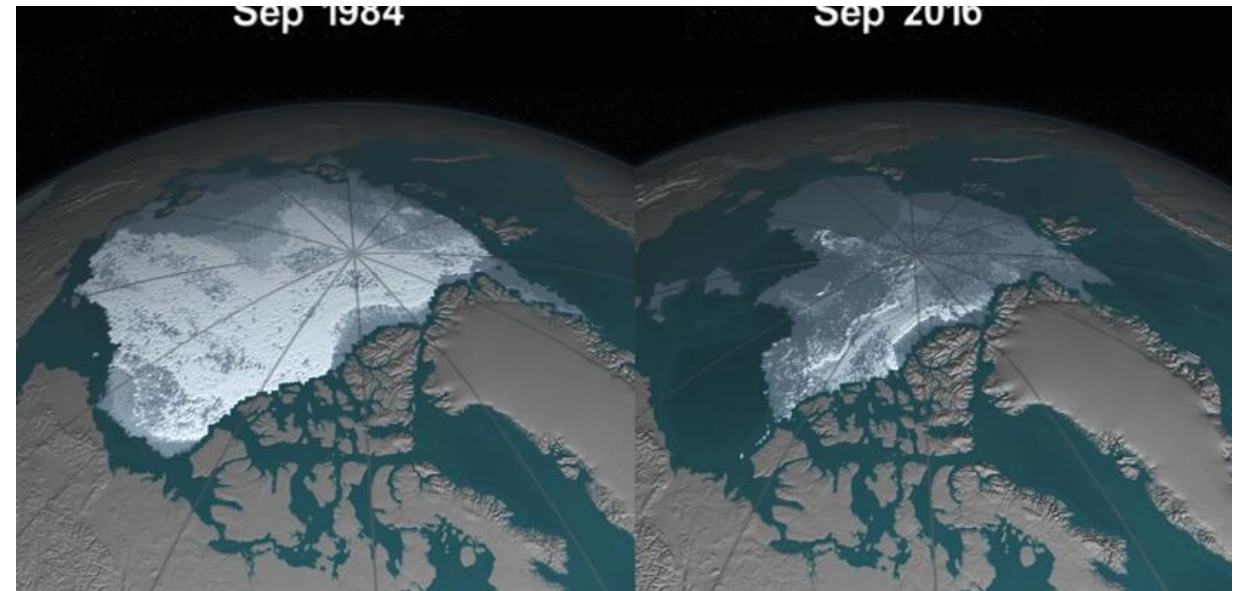
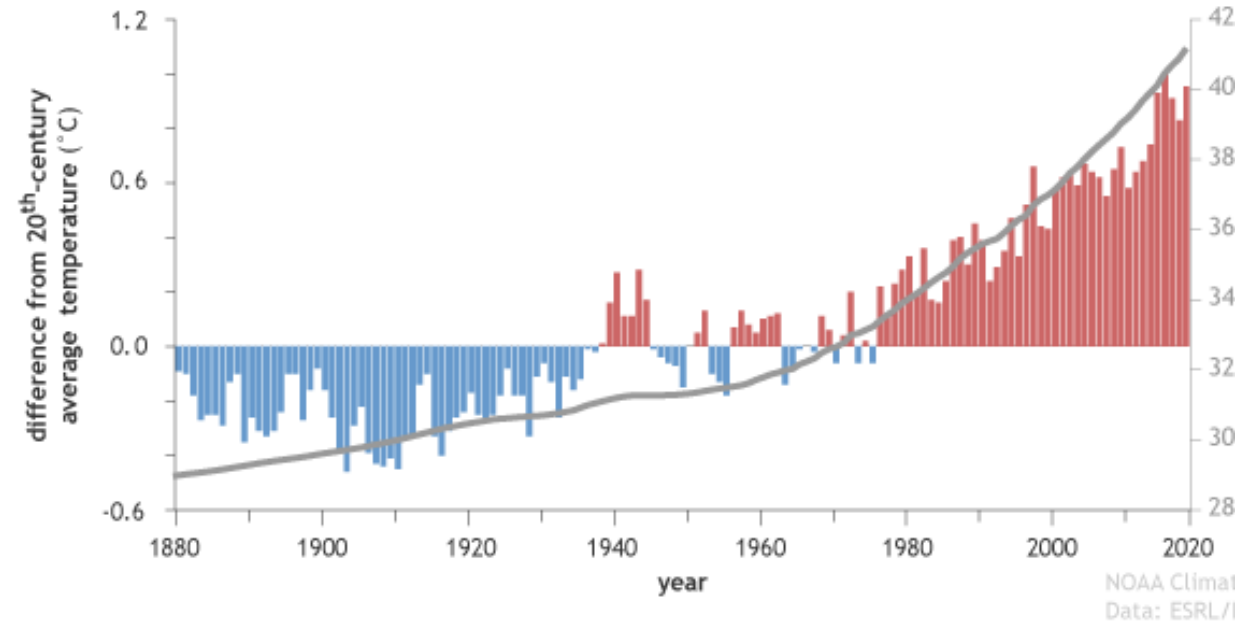
The World We
Live in Today








Atmospheric carbon dioxide and Earth's surface temperature (1880-2019)





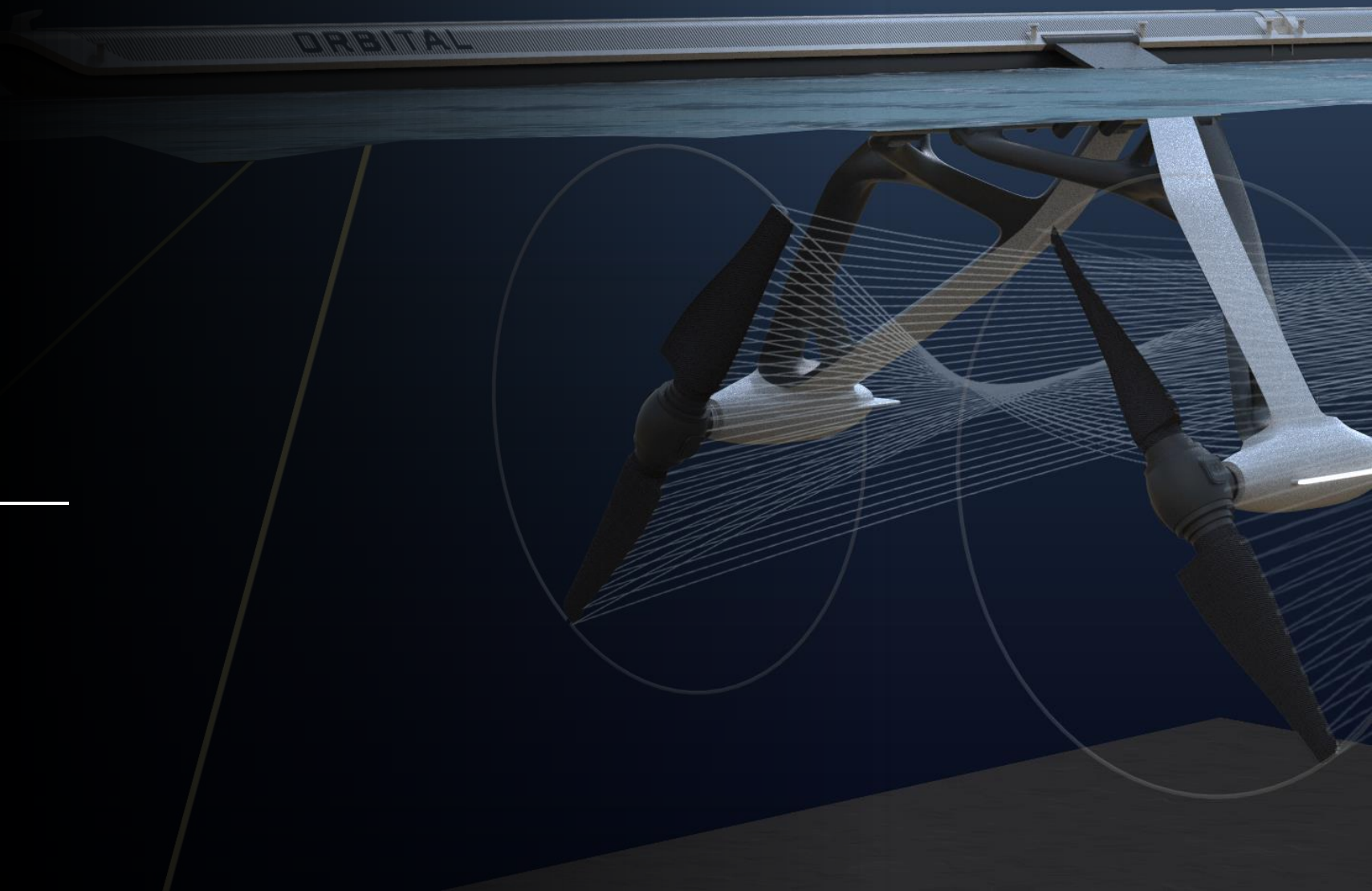
David Attenborough

- A Life on Our Planet

- Facts From the TV Show
 - Since 1950, animal populations half halved
 - Humans currently cut down 15 Billion trees per year
 - 2030 – Deforestation causes the Amazon to change from Rainforest to Dry Savanna. Decimating Biodiversity and Altering the Global Water Supply
 - 2040 – Frozen Permafrost soils thaw, releasing Methane (A Stronger Greenhouse Gas than Carbon Dioxide) into the atmosphere
 - 2050 – Coral reefs will die and fish populations crash
 - 2080 – Pollinating Insects Disappear
 - 2100 – Large parts of the earth are now uninhabitable as the world is 4C warmer than it is today. Mass extinction is well underway.



Who Am I?





John Bowman

- Lifelong Scout, currently a Leader with SMESU in Edinburgh
- Mechanical Engineer – Tidal Turbines
- Natural World Enthusiast



A Universal Concept for Understanding Reuse and Recycling

• Impermanence

- The Universe is in an ever changing state of impermanence.
 - Nothing stays forever, everything is used and reused, and reused again
- We are all made from recycled star dust. The atoms that make you may have been recycled into several stars before they made it to you.
- So why do we think, in our world, of it being normal for things not to be reused or recycled?
- Why do we believe that we can use items, land, trees etc. without looking at their sustainability, and without consequence?

REGENERATE
NATURAL SYSTEMS

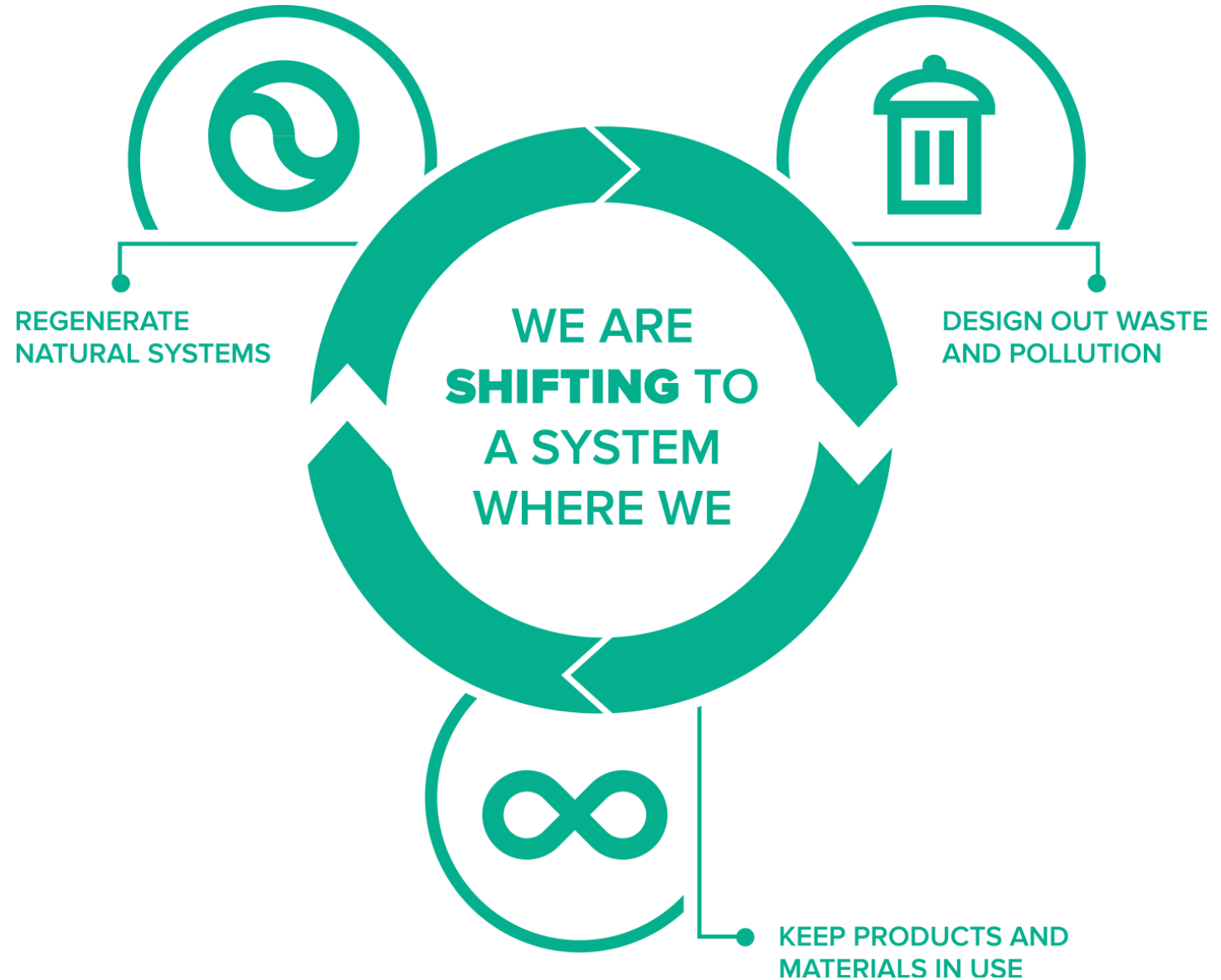
DESIGN OUT WASTE
AND POLLUTION

WE ARE
SHIFTING TO
A SYSTEM
WHERE WE

What can YOU do??

Ideas for Life

- Education
- Reusing
- Recycling
- Sustainability
- Spread the Word
- Get Involved





What is sustainable living

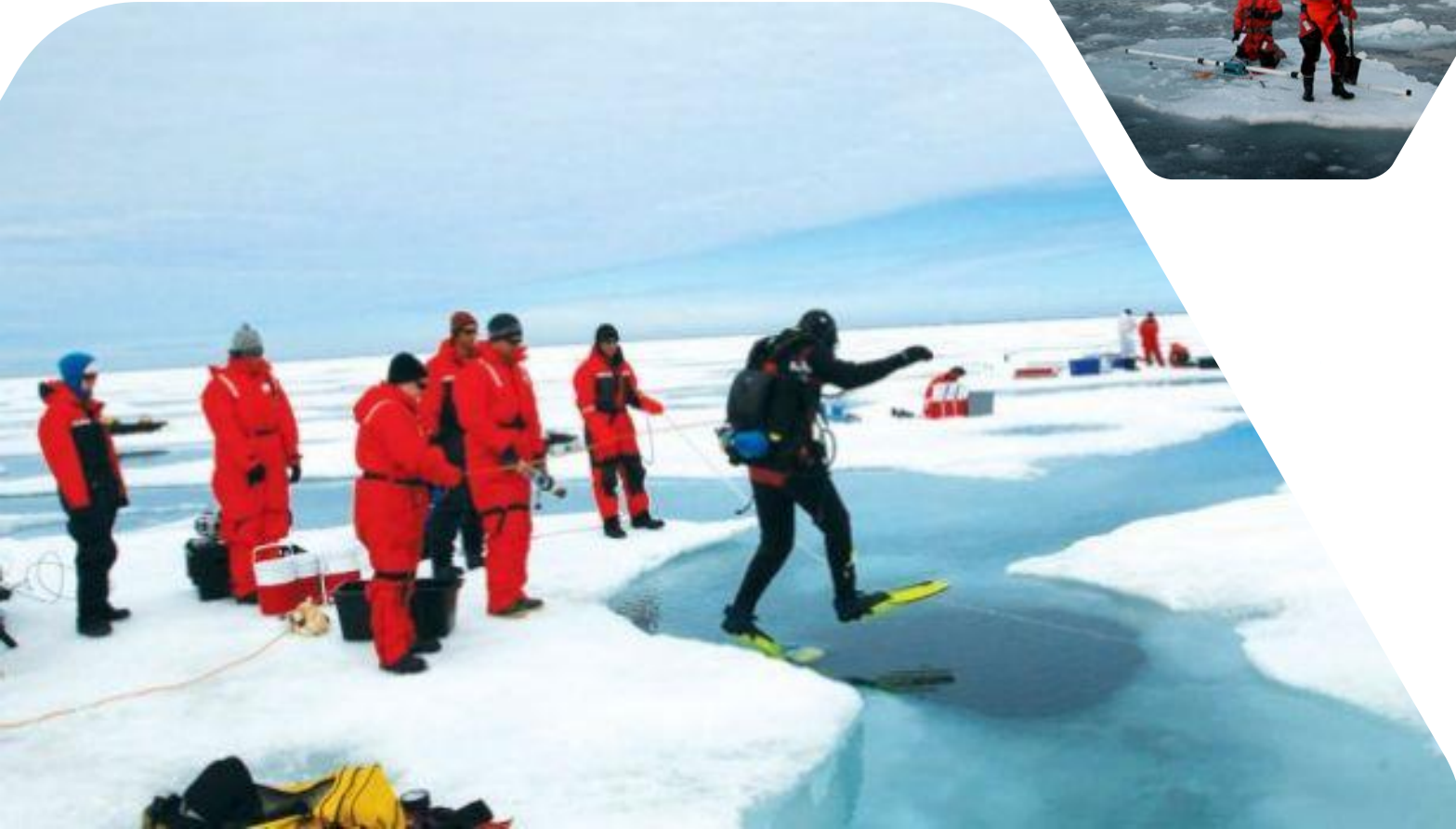
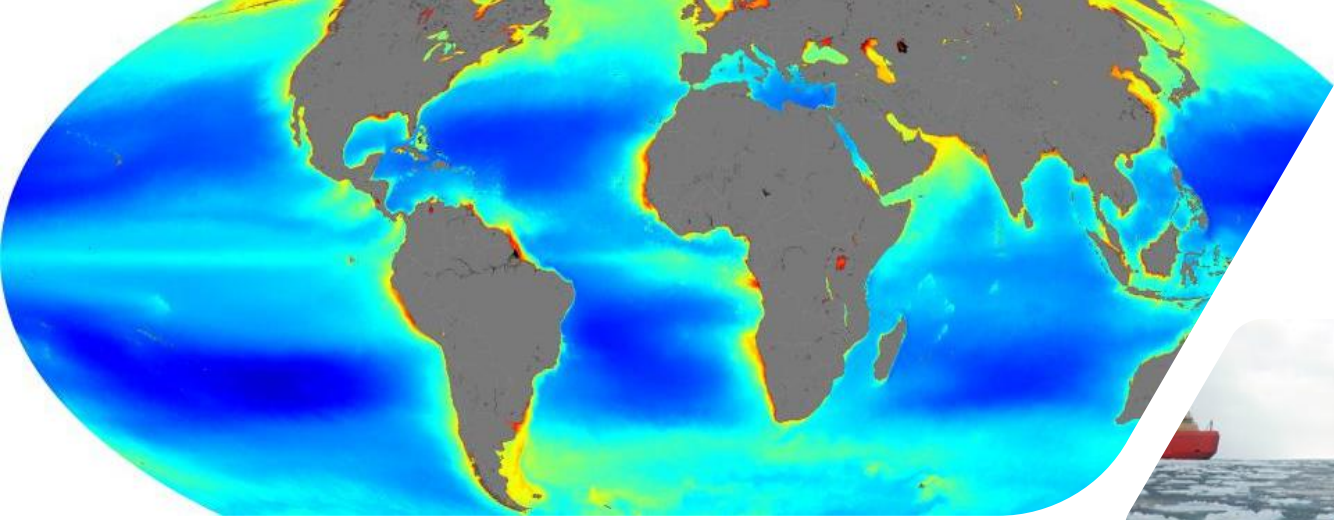
Conscious choices



A close-up portrait of David Attenborough, an elderly man with white hair, looking directly at the camera with a slight smile. He is wearing a blue collared shirt. The background is a soft, out-of-focus landscape with a bright light source, possibly the sun, creating a hazy, golden glow.

Education

David Attenborough – A Life on Our Planet



Be Proactive With Your Education

- Ask Questions
- Watch Documentaries
- Read Books
- Watch Videos
- Use the Internet



REUSE
REDUCE
RECYCLE

Reduce, Reuse & Recycle



Reuse Hierarchy

- The Best Method of Preventing Waste is to Reduce the Items that May Become Waste
 - i.e. Do you need it? Is this the most sustainable option?
- Then it's Reuse
 - i.e. A Bag for Life / Buying & Selling 2nd Hand Items
- Then Recycle
 - i.e. Upcycling, or using a local recycling facility
 - What can your local council recycle?
- Then Recovery
 - Energy from Waste (Heat to Electricity) / Biomass facility
- Then Landfill
 - The Last Option. Items can take 1,000's of years to breakdown





Over to You

Based on the Hierarchy
we just went through,
I want you to...

- Go Collect Items from around your house that you believe match each level
 - Reduce
 - Reuse
 - Recycle
 - Recovery
 - Landfill

Countdown

2:00

0:30



Over to You

Based on the Hierarchy
we just went through,
I want you to...

- Go Collect Items from around your house that you believe match each level
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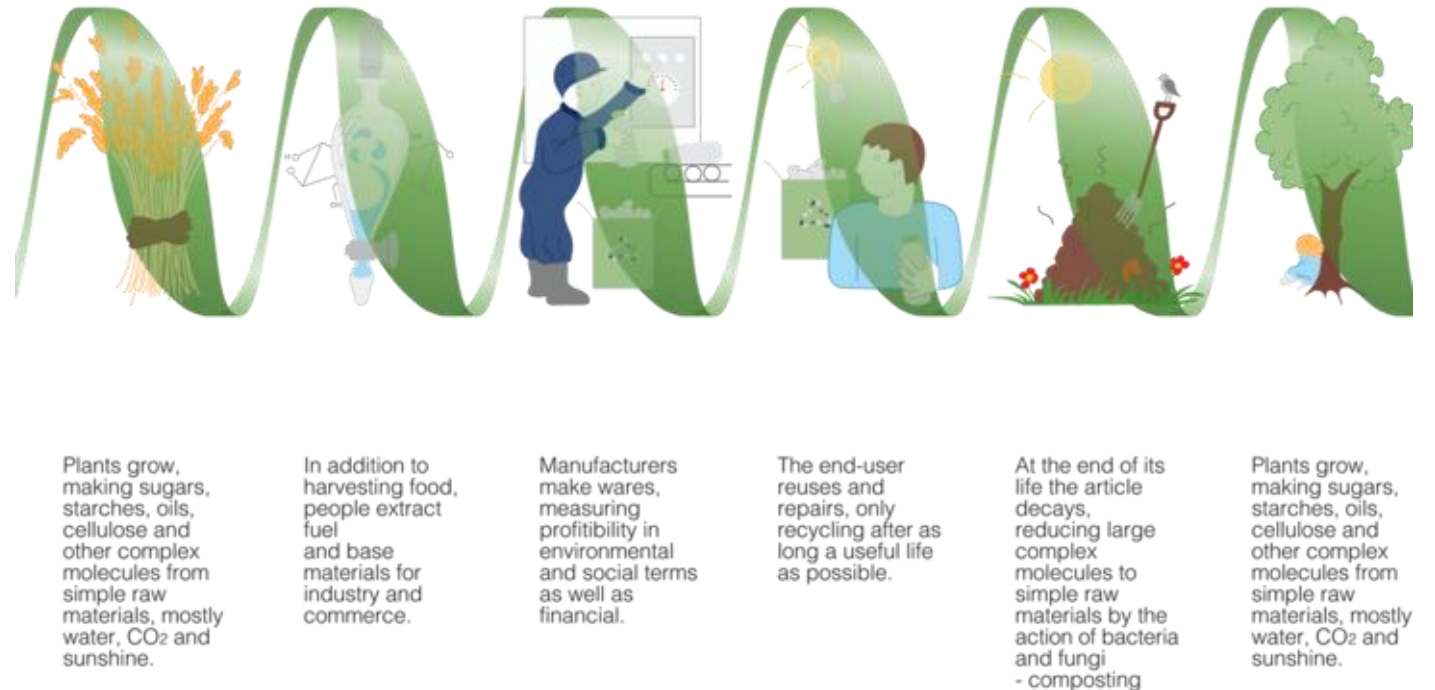
Living
Sustainably

What does Living Sustainably Mean?

Conscious Choices

- Ask yourself this
 - Do I need this?
 - Can this be recycled?
 - Is this something that there is an infinite supply of?
 - Can I reuse this?
 - Is there something else that can be?
 - Is there something in this which is damaging the planet?
- If you answer yes to these questions (other than the last one), you are on your way to living sustainably

The Helix of Sustainability





Spread the Word



+
○ ●


Over to You

Sustainable Christmas Day
Challenge






Get Involved



Look for Projects & Events Near You



- Invite wildlife into your garden or local area
 - Volunteer with Cheshire Wildlife Trust
 - Tree Planting
 - Volunteer at a Country Park (e.g. Tatton Park)
 - Go to Talks (like this one)
 - Speak with your Leaders about what your group can do
 - Keep an eye out for future District Projects
 - Go on a Litter Pick or Organise one
 - Highlight problems you see in your local area to your Local MP
- 

Other Sources of Knowledge

- [Dame Ellen MacArthur Foundation](#)
- [Earth.org](#)
- [WWF](#)
- [ecologi.com](#)
- [Cheshire Wildlife Trust](#)



Homework

...From John

As you go through your day, I want you to ask yourself this:

Can I raise the level doing this...

- i.e. Can I Reuse instead of Recycle
- Can I take the bus instead of ask for a lift
- Can I cycle instead of taking the bus
- Can I pick up some rubbish on the street and recycle it or put it in a bin (or is there another use?)
- Can I help someone
- Can I be a better neighbour
- Can I get involved with...?
- Can I organise...?