Climate Change, Net Zero and Nature

An external perspective



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The global context



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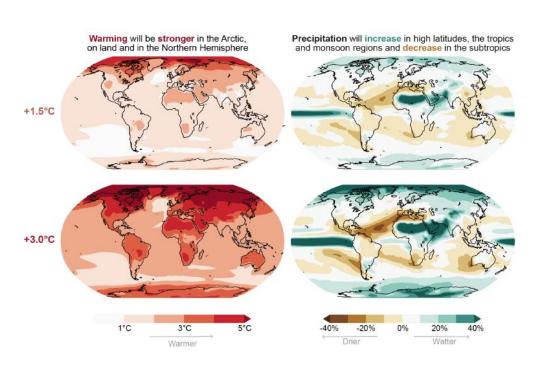
Climate Change & Nature The global context





COP27

Global warming will exceed 2 degrees C by 2050



Land projected to be flooded in 2030



What 1.1 degrees global warming looks like in 2022...

Jun 22: UK Heatwave



Record-breaking heatwave
Temperatures in some
locations 2 - 6 degrees +
previous records.

Jun/Jul 22: Pakistan Floods



A flood event lasting months in Pakistan

Reconstruction is estimated at \$117M USD.

Sep/Oct 22: California Mosquito Fire



Severe wildfire damage compounded by drought conditions.

Oct 22: Florida Hurricane Ian



Hurricane Ian
Cat 5 Hurricane

Net Zero by 2050













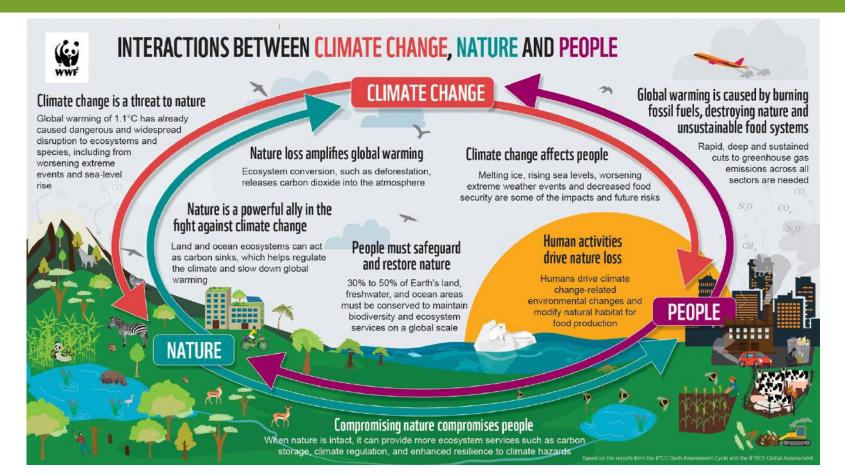




"Delivering net zero is the industrial revolution of our time"

UK's Net Zero Review, Jan 2023

Why are Nature & Biodiversity important?



COP15 – "the nature COP"



"30 x 30"

Protect 30% of the world's land and seas by 2030

\$200 billion funding p.a. Monitor
Assess
Disclose
Risk
Dependencies
Impacts

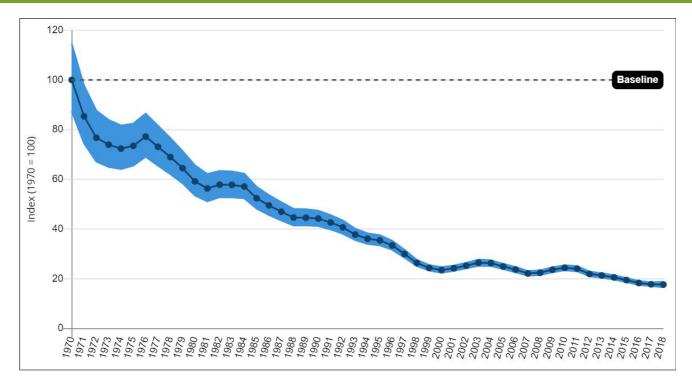
Cut global food waste in half

Reduce
excess
nutrients by
half

Near zero loss of areas of high biodiversity importance Phase out harmful subsidies by at least \$500b p.a.

Scale up
incentives
for
biodiversity
conservation

Abundance of 149 priority species in England 1970-2018







DEFRA: Indicator: D6 - Relative abundance and distribution of priority species in England - Outcome indicator framework for the 25 Year Environment Plan (defra.gov.uk)

2

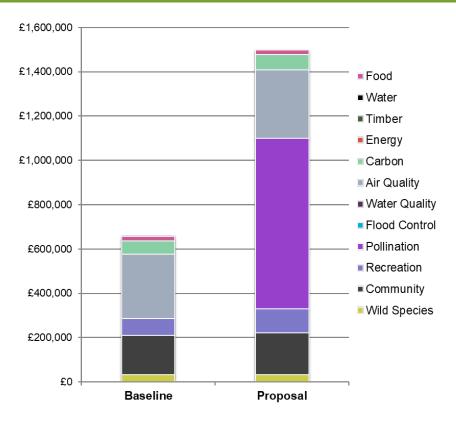
What does this mean for business?



Using Natural Capital to inform business planning



Return on investment



- Initial Baseline Value: £650,000
 - Air Quality from motorway and woodland
 - Low recreation but high community potential
 - High costs of anti-social behaviour / flytips
- Proposal: +128% from baseline
 - Pollination wildflower meadow
 - Reduced maintenance costs
 - Increase in recreation
 - Embodied carbon
 - Nature based solutions trespass/safety
 - Community volunteering

Baseline cost: £7,200 per year

Proposal cost: £2,100 maintenance per year

Significant return on investment in ££ and natural capital over 30 years

Engagement with community and organisations is key





giving

nature



















3

Bringing it back to golf...



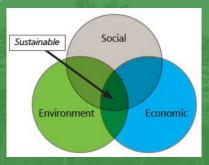
Ullesthorpe Golf Club – natural capital assessment





Sustainability & Golf

"Meeting the needs of the present without compromising the ability of future generations to meet their own needs."



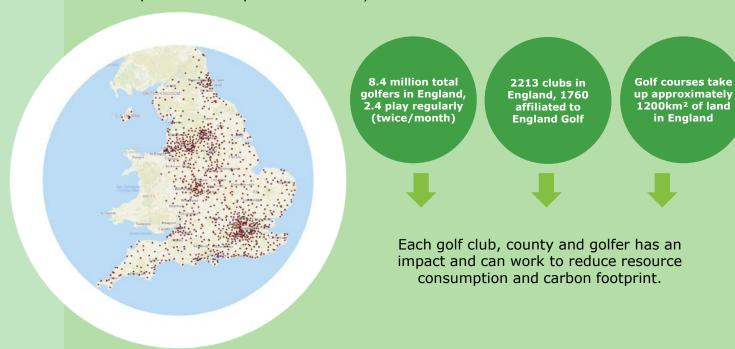


Golf has a unique relationship with the natural environment and a responsibility to ensure that future generations are able to enjoy the game played by millions around the world.



Golf's Footprint

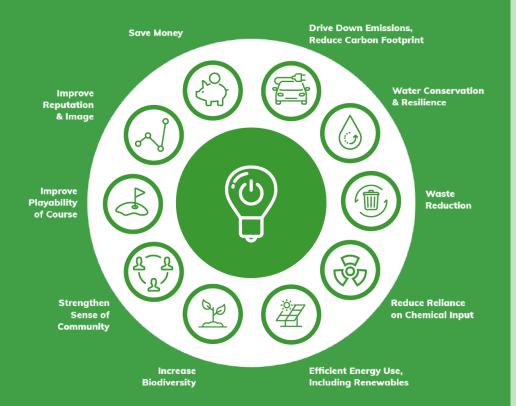
Golf is a game played by millions, with wide reaching impacts. It is critical to acknowledge the scope of it in order to emphasise the impact sustainability initiatives can have.





Opportunities

Sustainability provides the opportunity to turn challenges across England into advantages, including financially, environmentally and socially.



Note: this list is not exhaustive and all inclusive; other challenges do and will exist.

Writing, and implementing, a sustainability strategy...



Why are you going to make changes?

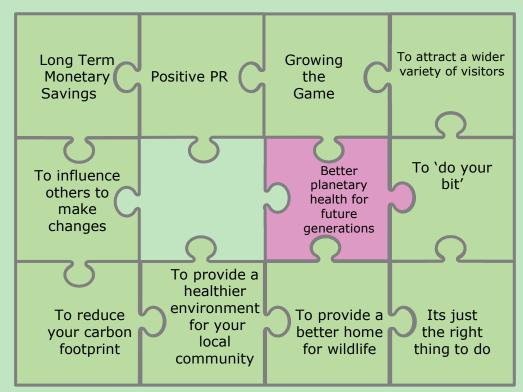
Where are you, in terms of sustainability at your club/facility?

What are you going to do to become more sustainable?

Who is going to be involved?

How are you going to do it?

When will it happen?





Sustainability Toolkit...







https://www.englandgolf.org/resource-detail/sustainability-toolkit



Learnings and future steps...

- Make improving biodiversity a business case, by attaching a value to it
- New guidance has been released recently which we are digesting and finding opportunities for golf clubs
- Working with DEFRA to provide accurate guidance for golf clubs, without the 'sales' pitch offered by some consultants/providers
- Piloting some biodiversity software that will allow us to use GIS to map improvements to biodiversity more accurately
- Looking into offset schemes and how golf clubs can get funding from other sources than just those offered by grants/governments
- Without good governance, its incredibly hard to drive change within a golf club.