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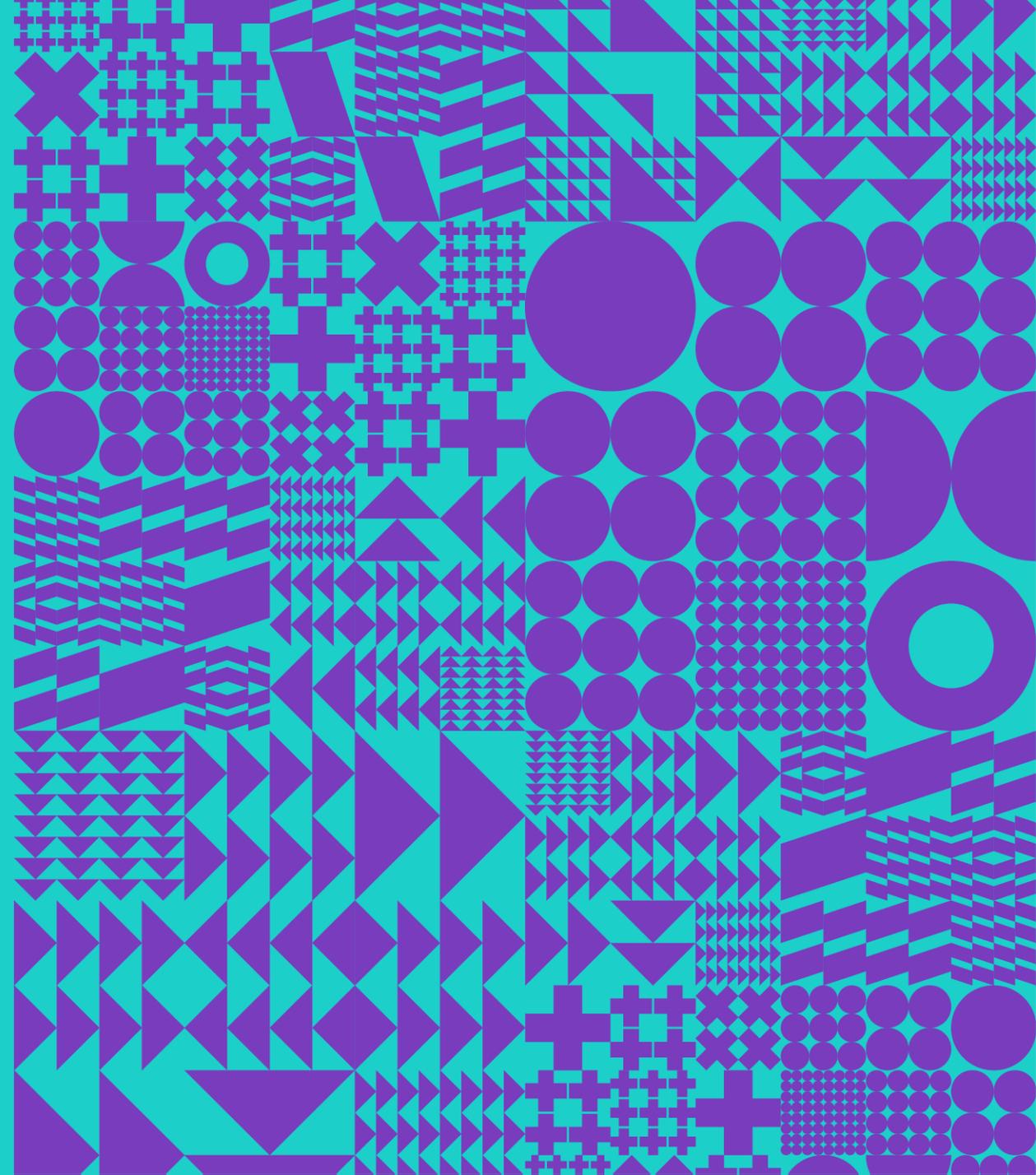
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10th April 2024

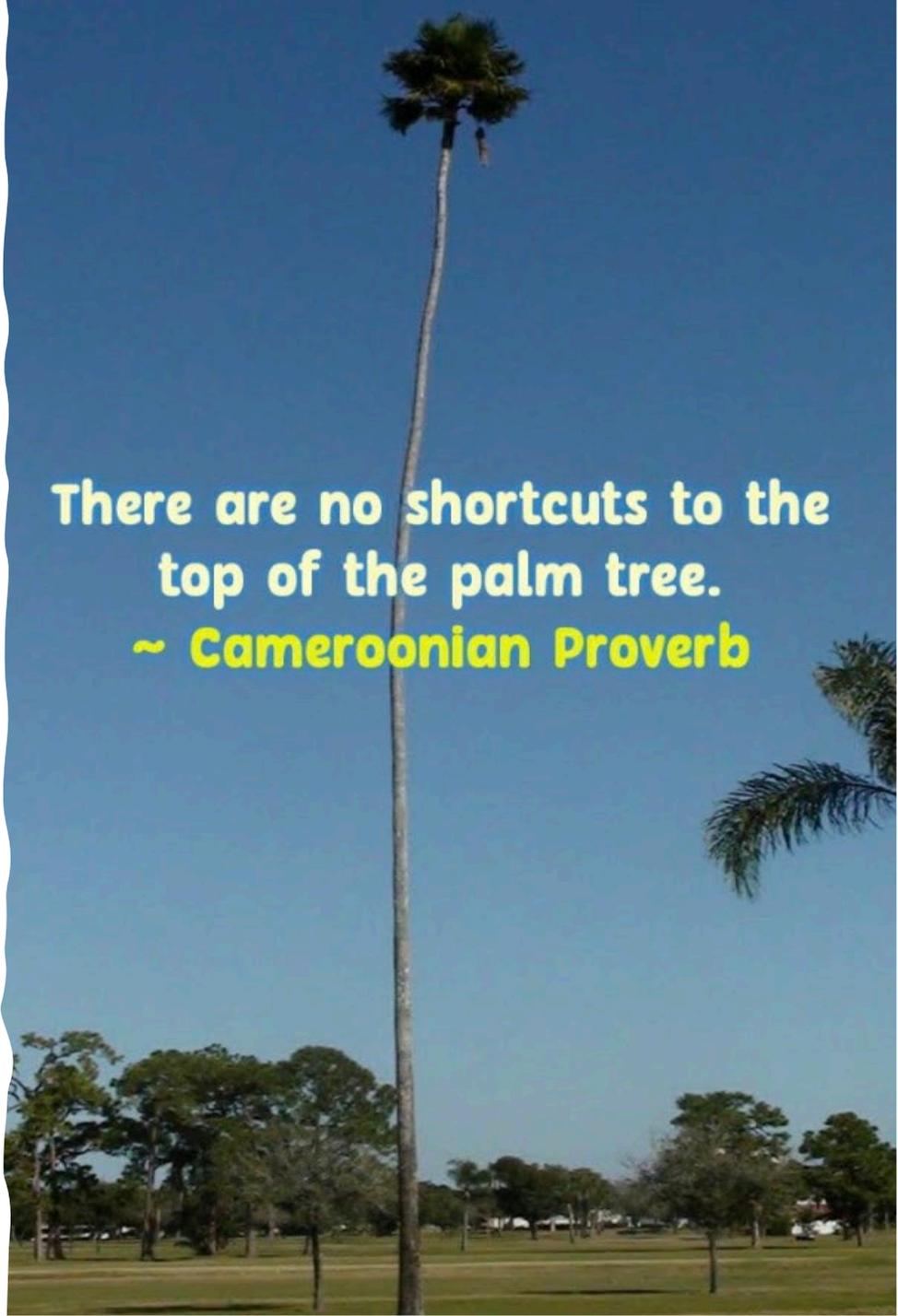
Smashing the Sustainability Ceiling...

Tim Clarke
Professor of Practice
Institute of Science and Environment



Achieving Sustainability is not for the faint-hearted – it's hard work

There are no short cuts ...

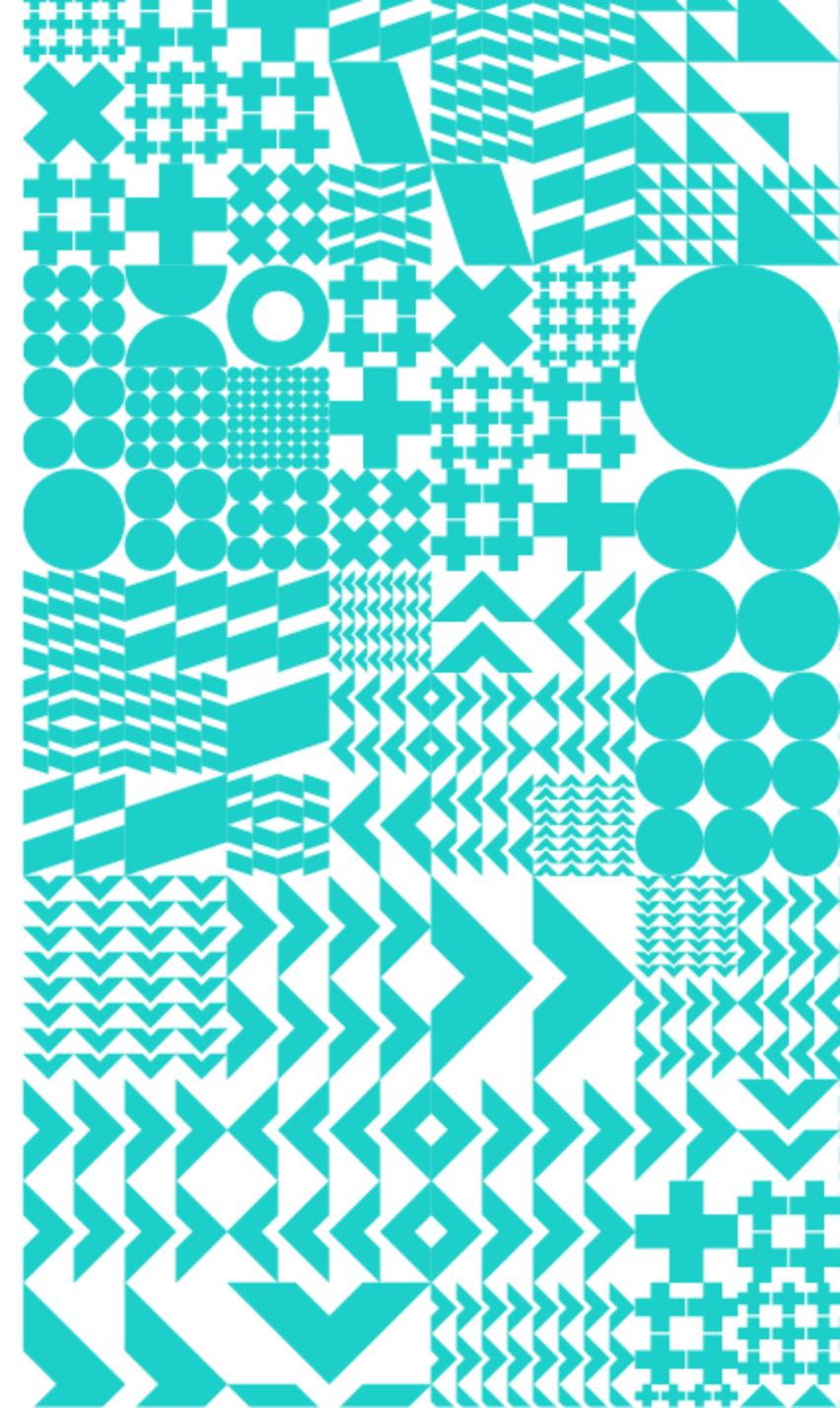


There are no shortcuts to the top of the palm tree.
~ **Cameroonian Proverb**



Overview

- Historical context: The Sustainability debate
- My involvement in this debate
- Sustainability at an Individual, Community, City, and National level
- The Sustainability challenge for Universities
- UoC – rising to the challenge: can we smash the Sustainability ceiling?



A PATH TO SUSTAINABILITY



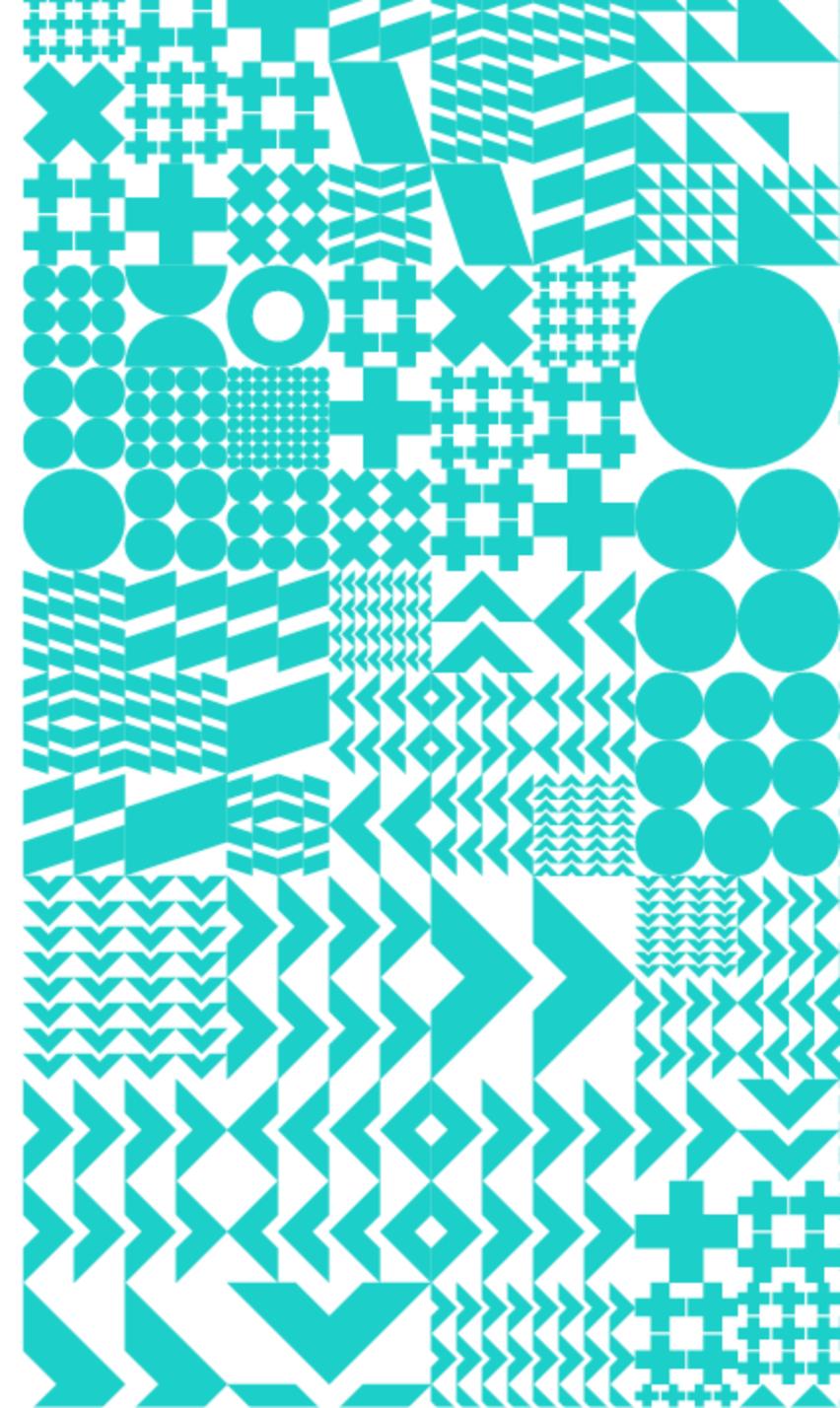
The Value Of Being
More Sustainable

What route should Cumbria University take to Sustainability?

- The UoC hosted the Institute for Leadership and Sustainability
- Cumbria had pioneering leaders on Sustainability 200 years ago (before the word even existed in common parlance) (Wordsworth, Ruskin, Potter, Mason)
- A Sustainability reflection was launched in Jan 2024 by the University: aiming for a Board recommendation in May. What should it say?
- Options: 'Business as Usual', Aim High, Be the Best ?

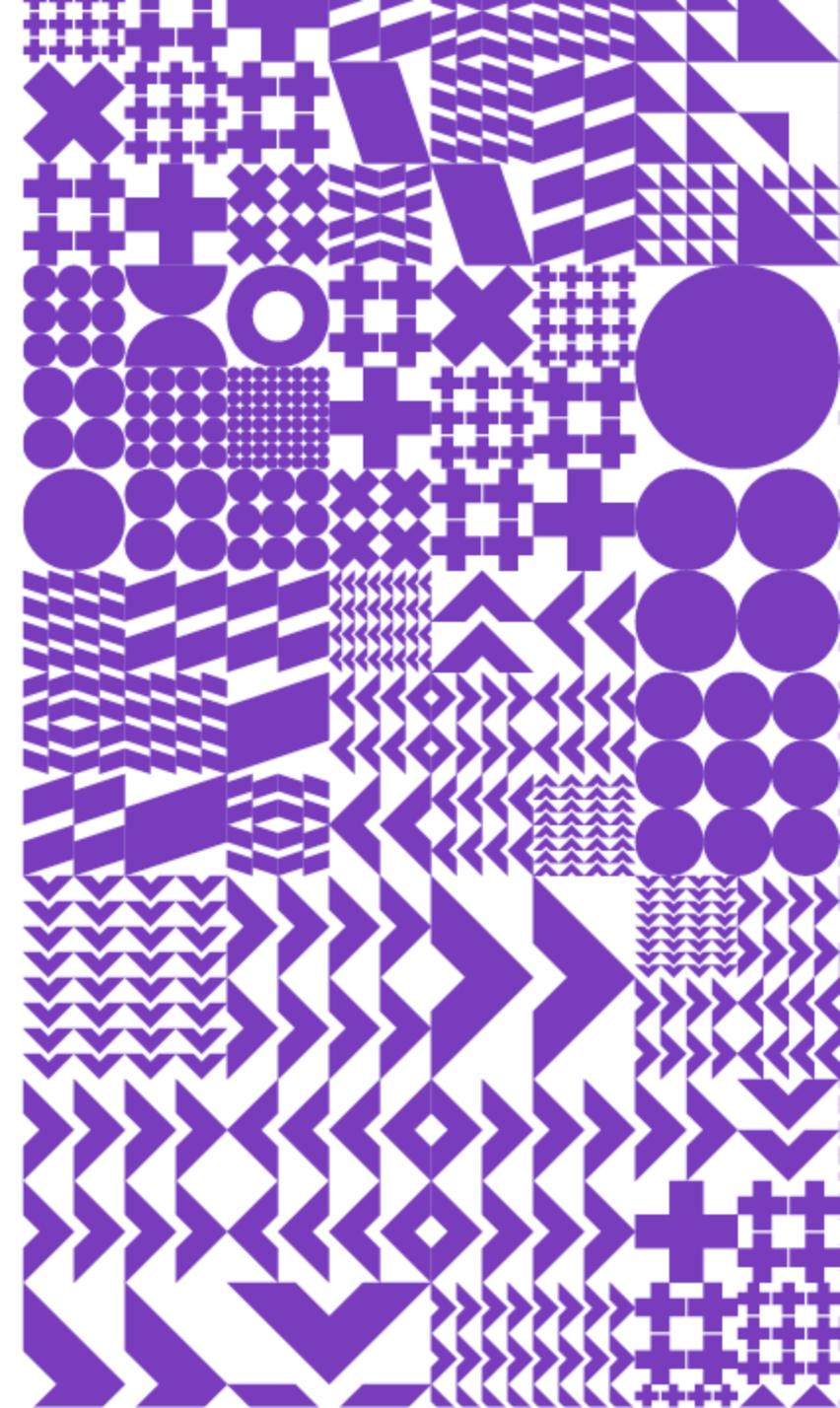
It's all about Choicesfor different target audiences

- For the University **as an Institution**, linked to achieving its Towards 2030 Strategy and Vision, nurturing its vital interest and roles (education, learning, training, research, innovation, knowledge, aspirational, reputational, credibility, etc)
- For its **academic staff**
- For its **students (local and international)**
- For the **region, Cumbria and local Councils**
- For the **local communities and civil society**
- For **Businesses and Enterprises**



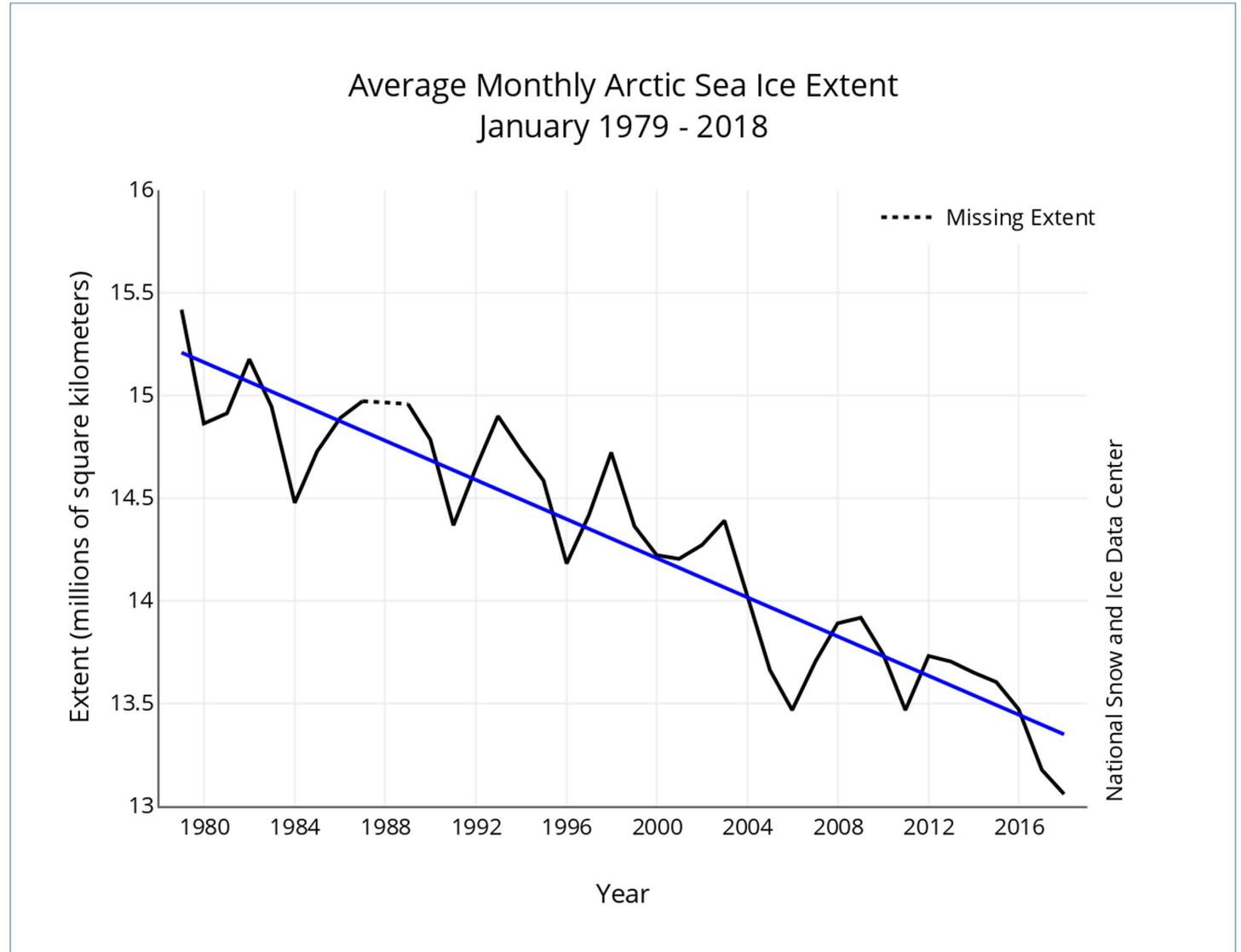
My personal role as Professor of Practice

- Bring my personal experience of this topic, that goes back 50 years, to the table, as requested when appointed by the VC
- Provoke discussion, engagement, ambition, motivation and the PURSUIT OF EXCELLENCE
- Plan for CHANGE – in order to meet challenges, that may, at this time, be completely unknown
- Seek TRANSFORMATIVE solutions
- Promote Policies and Practices to keep UoC AHEAD OF THE CURVE



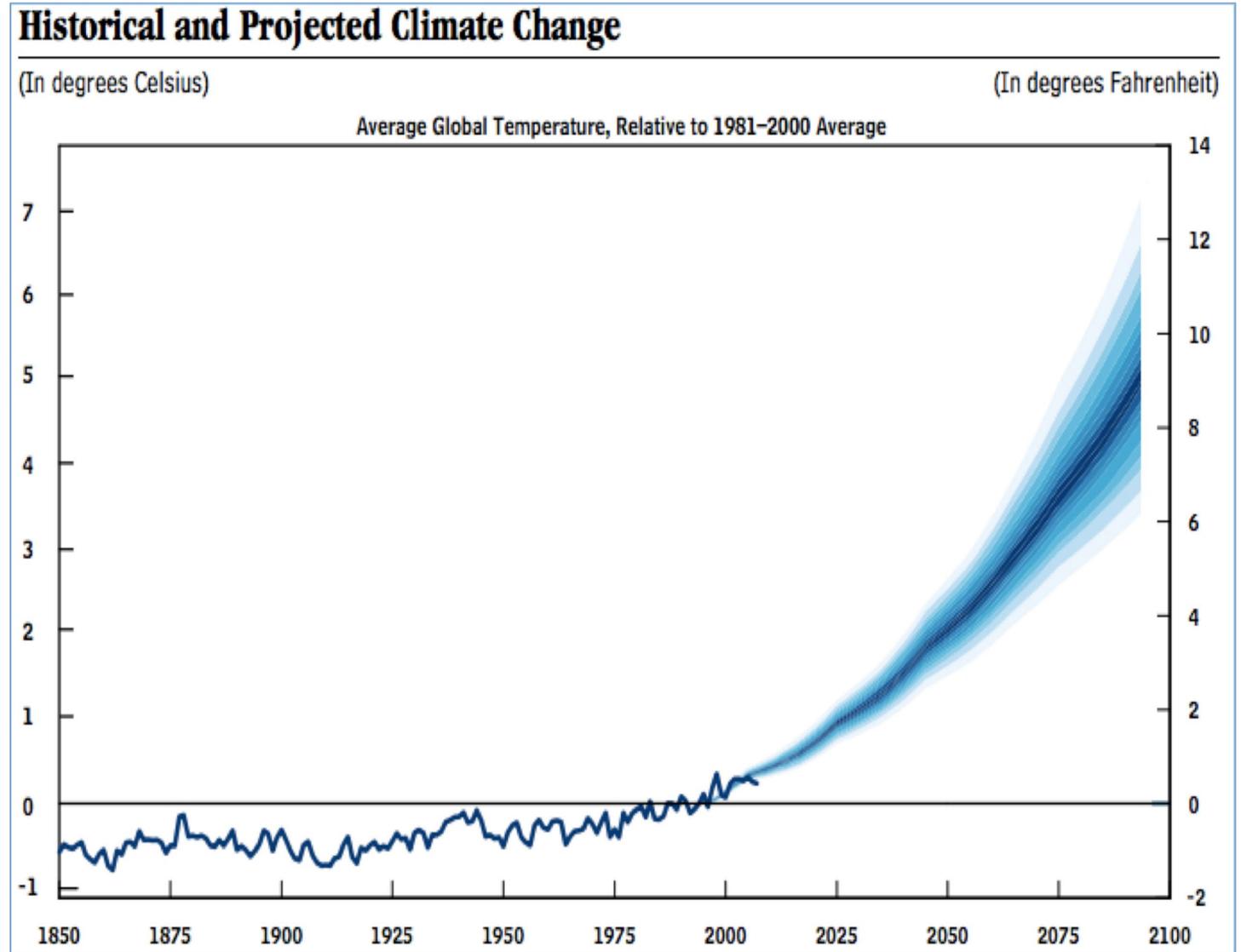
The Metrics going the wrong way

Melting of Arctic Sea Ice



Global Temperature rise

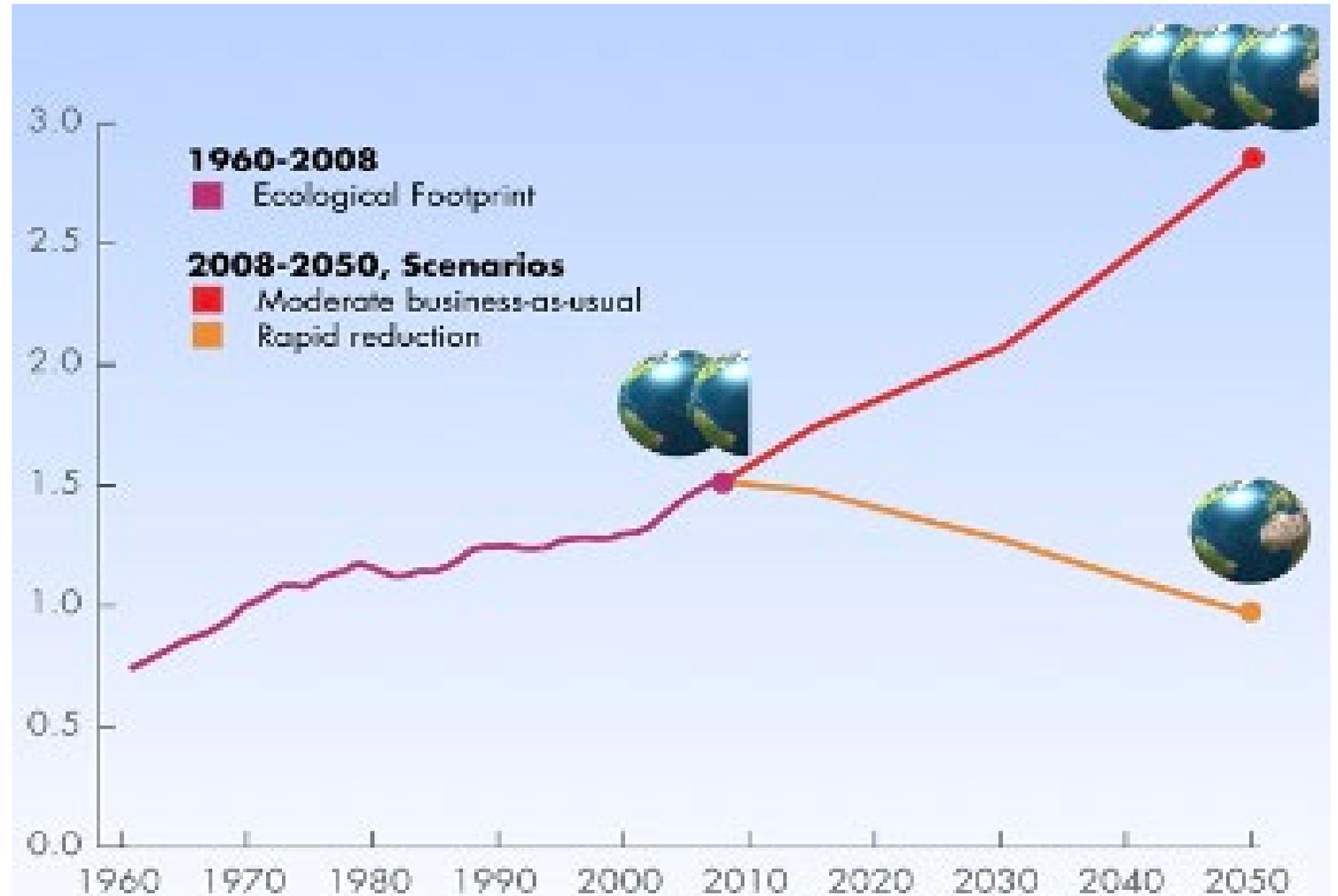
The stats today are actually worse than this graph shows



Earth overshoot

If everyone lived like us we would need 2.3 Earths

(this is an old graph but the message is still valid)



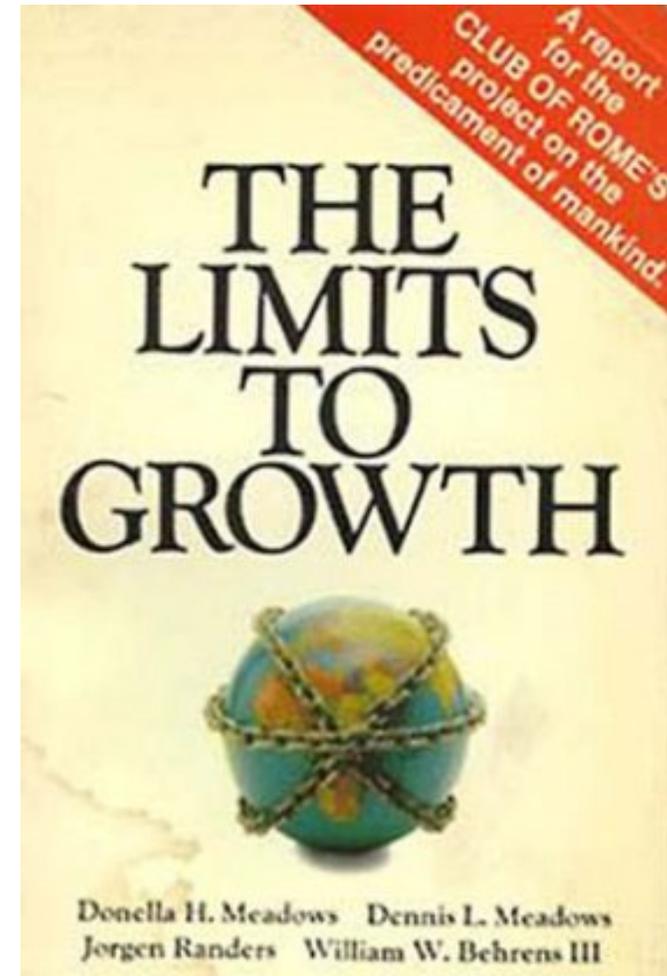
y-axis: number of planet earths, x-axis: years

Limits to Growth Club of Rome

In 1972 Donella Meadows published:
"A Report for the Club of Rome's Project
on the Predicament of Mankind."

The Limits to Growth.

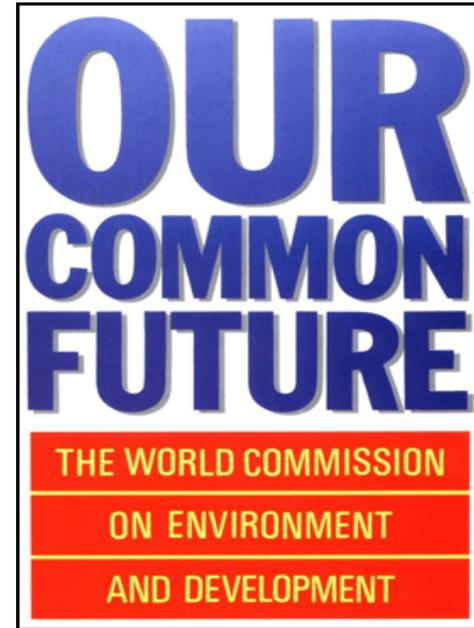
It studied the patterns and dynamics of
human presence on earth and predicted
environmental and economic collapse
within a century if "business as usual"
continued.



Gro Harlem Bruntland

October 1987

- Former Norwegian PM
- Chair of the World Commission on Environment and Development
- Produced a report - 'Our Common Future' - that became known as the Bruntland Report
- Defined Sustainability for the first time
- Big International impact



What is Sustainability(1)?

There is no simple answer.

Bruntland's definition is the most widely- used today and is still as relevant as it was 40 years ago:

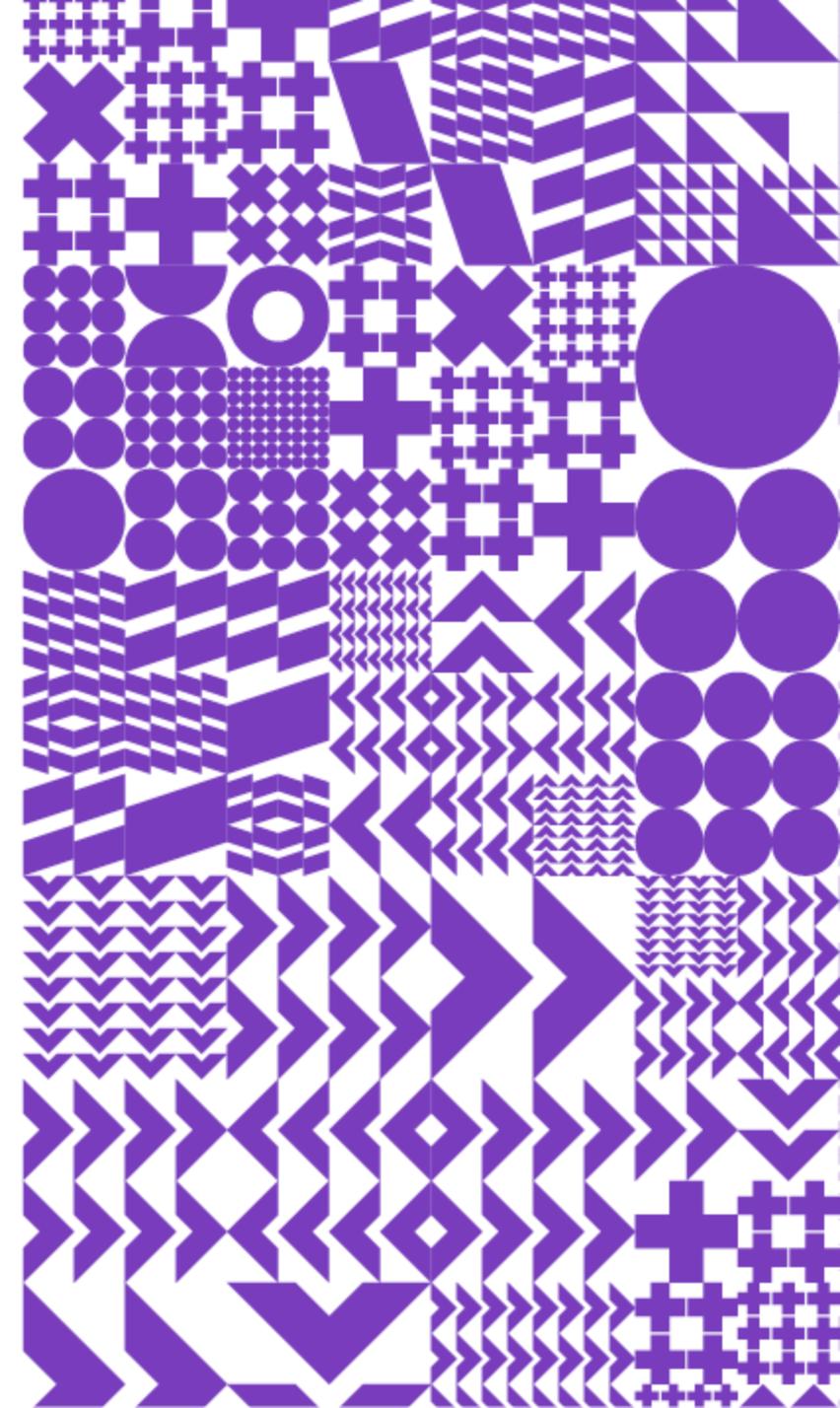
“Development which meets the needs of the present without compromising the ability of future generations to meet their own needs”



What is Sustainability(2)?

These are some others:

- To create and maintain the conditions under which humans and nature can exist in productive harmony
- An inclusive way, encompassing human and ecological health, social injustice, secure livelihoods, and a better world for future generations
- The need to ensure a better quality of life for all, now and into the future, in a just and equitable manner, whilst living within the limits of supporting ecosystems
- **Does/Should the UoC have its own definition?**



International Movement

'Limits to Growth' had a profound impact. As did Barbara Ward's book in 1972 : "Only One Earth: The Care and Maintenance of a Small Planet". She founded IIED.

A series of UN Conferences followed:

- 1972: Stockholm.
- 1992: Rio, Earth Summit. 178 World leaders. Agreed Agenda 21/Local Agenda 21s.
- 1995 Berlin. First Climate COP on Climate Change.
- 2000: Millenium Summit. New York. Defined 8 MDGs, to be achieved by 2015
- 2015. New York. Agreed 17 SDGs, to be achieved by 2030. (Climate Action is no 13).
- Attended COP15 in Paris in 2021. Milestone decision



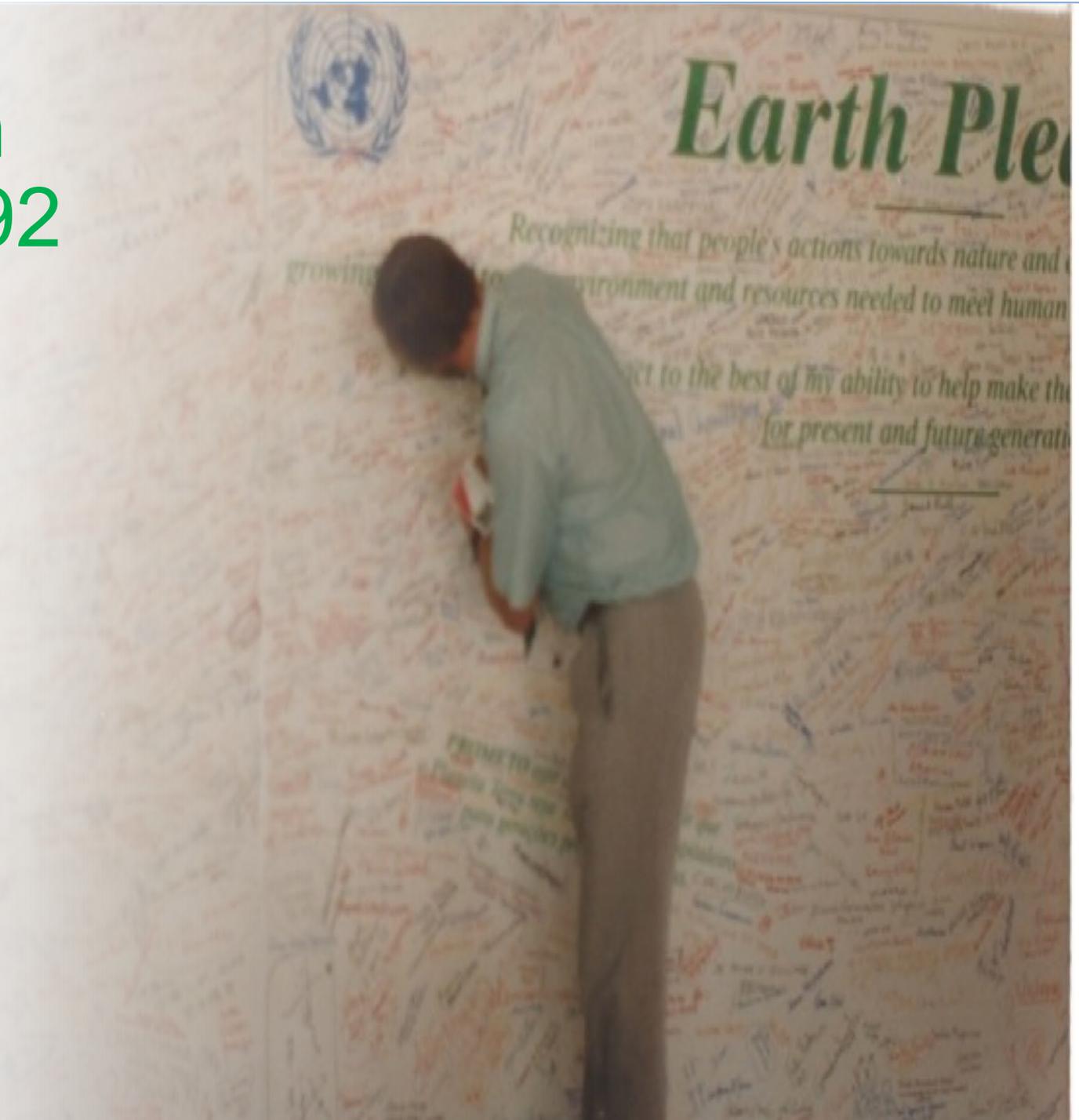
CLIMATE CHANGE



CONNECTS US ALL

My personal Earth Pledge at Rio, 1992

- I represented the European Commission as their Environment and Development specialist .
- Worked in a container from 06.30 to 21.00 every day, hammering out text on the 0.7% GNP Aid obligation
- I think the Pledge is still at UNEP in Nairobi



Rio +20

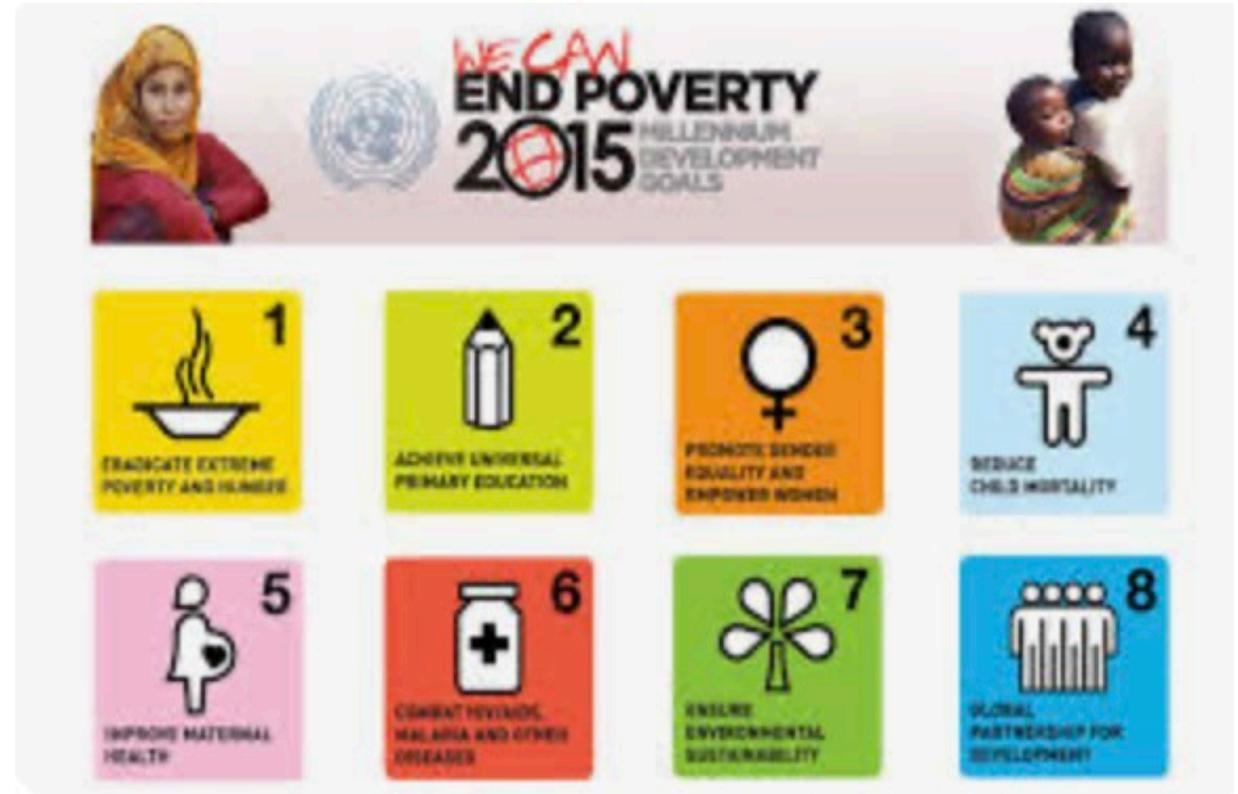
Building Our Common Future

Assessment of progress over
20 years

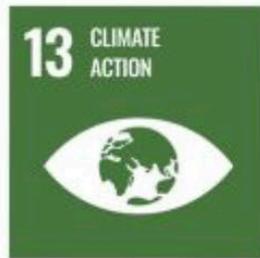
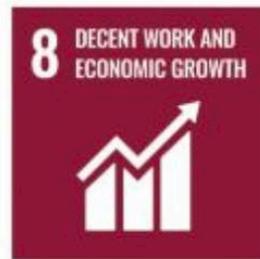


Millenium Development Goals

- UN Millenium Summit. 2000
- Targeted achievement of 8 MDGs by September 2015. These included:
- Eradicate Extreme Poverty and Hunger
- Achieve Universal Primary Education
- Promote Gender Equality etc.



SUSTAINABLE DEVELOPMENT GOALS



The report paints a rather depressing picture of where we are, in terms of hitting 2030 SDG targets

Green= On track
 Orange = Partly on track
 Red = Off track

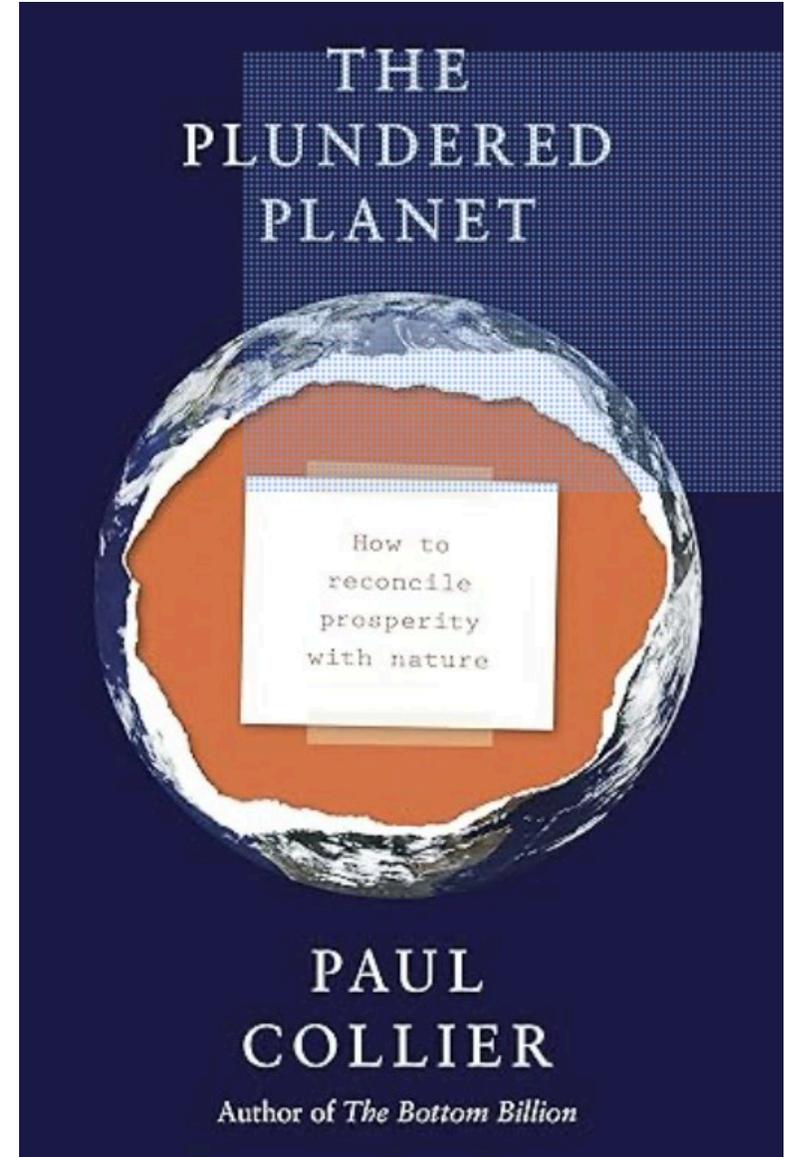
CURRENT STATE OF PROGRESS TOWARD THE SUSTAINABLE DEVELOPMENT GOALS BASED ON SELECT TARGETS

GOAL	INDICATOR	DISTANCE FROM TARGET (2023) ¹	TREND OF SDG PROGRESS (2023) ¹	CHANGE IN TREND OF SDG PROGRESS BETWEEN 2020 AND 2023 ²
1	1.1.1 Eradicate extreme poverty	Very far from target	Limited or no progress	Backward
	1.3.1 Implement social protection systems	Far from target	Fair progress but acceleration needed	N/A
2	2.1.2 Achieve food security	Moderate distance to target	Deterioration	None
	2.2.1 End malnutrition (stunting)	Moderate distance to target	Fair progress but acceleration needed	None
3	3.1.2 Increase skilled birth attendance	Close to target	Fair progress but acceleration needed	Backward
	3.2.1 End preventable deaths under 5	Close to target	Fair progress but acceleration needed	Backward
	3.3.3 End malaria epidemic	Very far from target	Limited or no progress	None
	3.b.1 Increase vaccine coverage	Very far from target	Deterioration	Backward
4	4.1.2 Ensure primary education completion	Very far from target	Limited or no progress	Backward
5	5.3.1 Eliminate child marriage	Moderate distance to target	Fair progress but acceleration needed	None
	5.5.1 Increase women in political positions	Moderate distance to target	Fair progress but acceleration needed	None
6	6.1.1 Universal safe drinking water	Moderate distance to target	Limited or no progress	None
	6.2.1 Universal safe sanitation and hygiene	Moderate distance to target	Fair progress but acceleration needed	None
7	7.1.1 Universal access to electricity	Moderate distance to target	Fair progress but acceleration needed	Backward
	7.3.1 Improve energy efficiency	Moderate distance to target	Fair progress but acceleration needed	None
8	8.1.1 Sustainable economic growth	Moderate distance to target	Deterioration	Backward
	8.5.2 Achieve full employment	Close to target	Limited or no progress	None
9	9.2.1 Sustainable and inclusive industrialization	Close to target	Limited or no progress	None
	9.5.1 Increase research and development spending	Moderate distance to target	Fair progress but acceleration needed	Forward
	9.c.1 Increase access to mobile networks	Close to target	Substantial progress/on track	None
10	10.4.2 Reduce inequality within countries	Moderate distance to target	Fair progress but acceleration needed	N/A
11	11.1.1 Ensure safe and affordable housing	Moderate distance to target	Fair progress but acceleration needed	Forward
12	12.2.2 Reduce domestic material consumption	Moderate distance to target	Limited or no progress	N/A
	12.c.1 Remove fossil fuel subsidies	Moderate distance to target	Deterioration	Backward
13	13.2.2 Reduce global greenhouse gas emissions	Moderate distance to target	Deterioration	None
14	14.4.1 Ensure sustainable fish stocks	Very far from target	Deterioration	N/A
	14.5.1 Conserve marine key biodiversity areas	Moderate distance to target	Limited or no progress	N/A
15	15.1.2 Conserve terrestrial key biodiversity areas	Moderate distance to target	Limited or no progress	None
	15.4.1 Conserve mountain key biodiversity areas	Moderate distance to target	Limited or no progress	N/A
	15.5.1 Prevent extinction of species	Moderate distance to target	Deterioration	None
16	16.1.1 Reduce homicide rates	Moderate distance to target	Limited or no progress	Backward
	16.3.2 Reduce unsentenced detainees	Moderate distance to target	Deterioration	None
	16.a.1 Increase national human rights institutions	Moderate distance to target	Fair progress but acceleration needed	None
17	17.2.1 Implement all development assistance commitments	Moderate distance to target	Fair progress but acceleration needed	Forward
	17.8.1 Increase internet use	Close to target	Substantial progress/on track	None
	17.18.3 Enhance statistical capacity	Moderate distance to target	Limited or no progress	None

¹ Distance from target (2023) and trend of Sustainable Development Goals progress (2023) refer to current level and trend information for the latest available data utilizing the calculation methodology from the Sustainable Development Goals 2022 Progress Chart Technical Note. Latest available data as of May 2023 from the SDG global indicator database. Please note that information for indicators 1.1.1, 10.4.2, 13.2.2, 17.2.1 and 17.18.3 are from the Sustainable Development Goals Progress Chart 2022.
² To capture the impacts of the COVID-19 pandemic on progress of the Sustainable Development Goals, a comparison of the trend assessment from the Sustainable Development Goals 2020 Progress Chart and the trend of progress of the Goals (2023) was made, with some indicators showing reversal or slowed progress.
 N/A: trend comparisons unavailable due to: i) lack of trend analysis from insufficient data; ii) indicator not included in the 2020 Progress Chart; or iii) indicator has changed between progress charts.
 Source: Calculations based on United Nations Department of Economic and Social Affairs, 2023b.

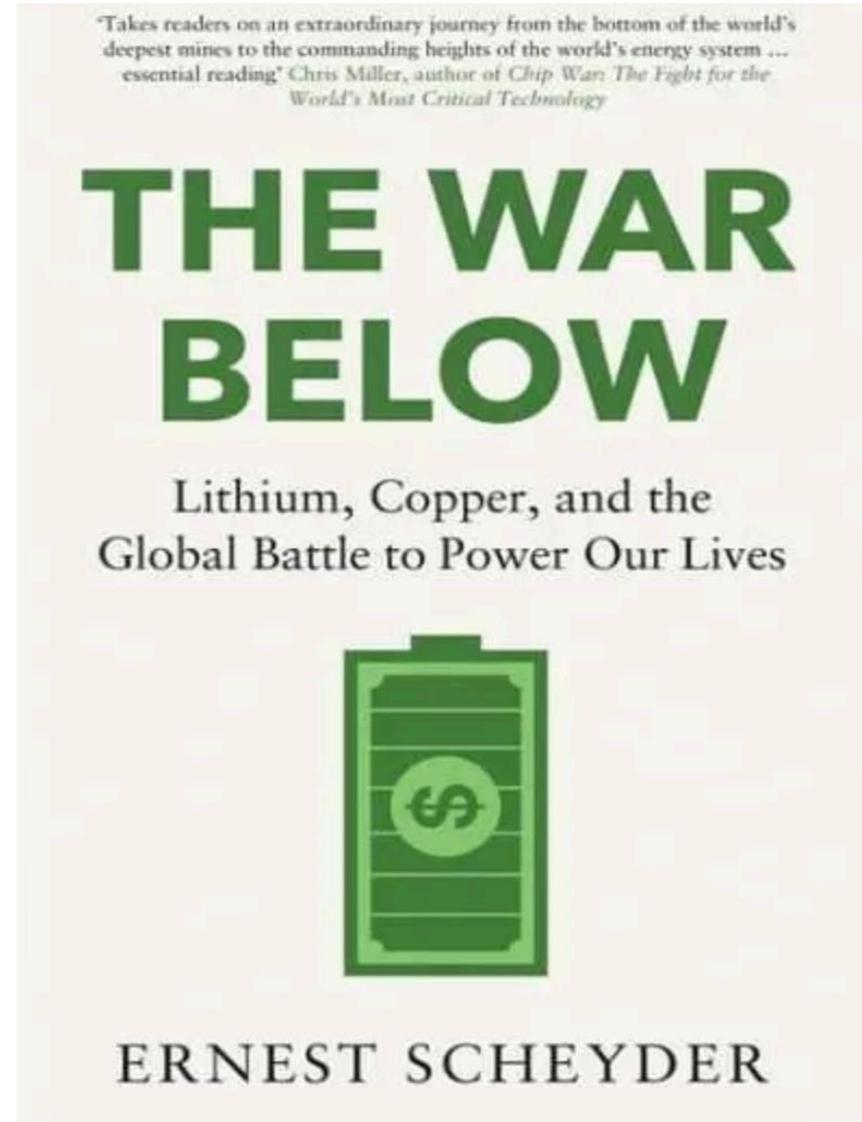
The Plundered Planet

In May 2010 Paul Collier produced a highly charged analysis, questioning how to reconcile the unchecked profiteering and corruption - by individuals, corporations and governments - **that posed existential threats-** to human survival.



The War Below

- Published Jan 2024
- Shows major issue of availability of precious metals needed for modern technology



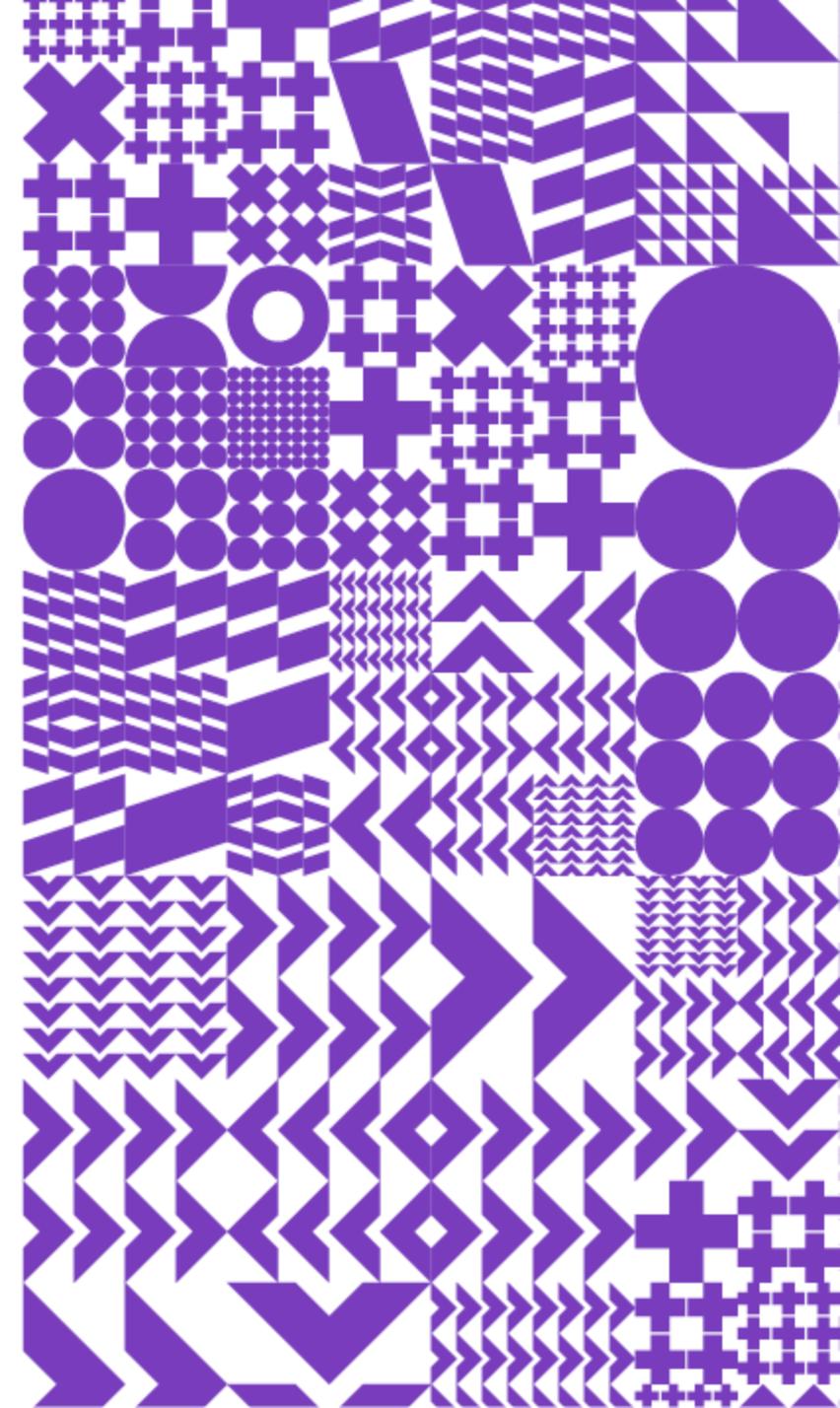
World Business Council on Sustainability

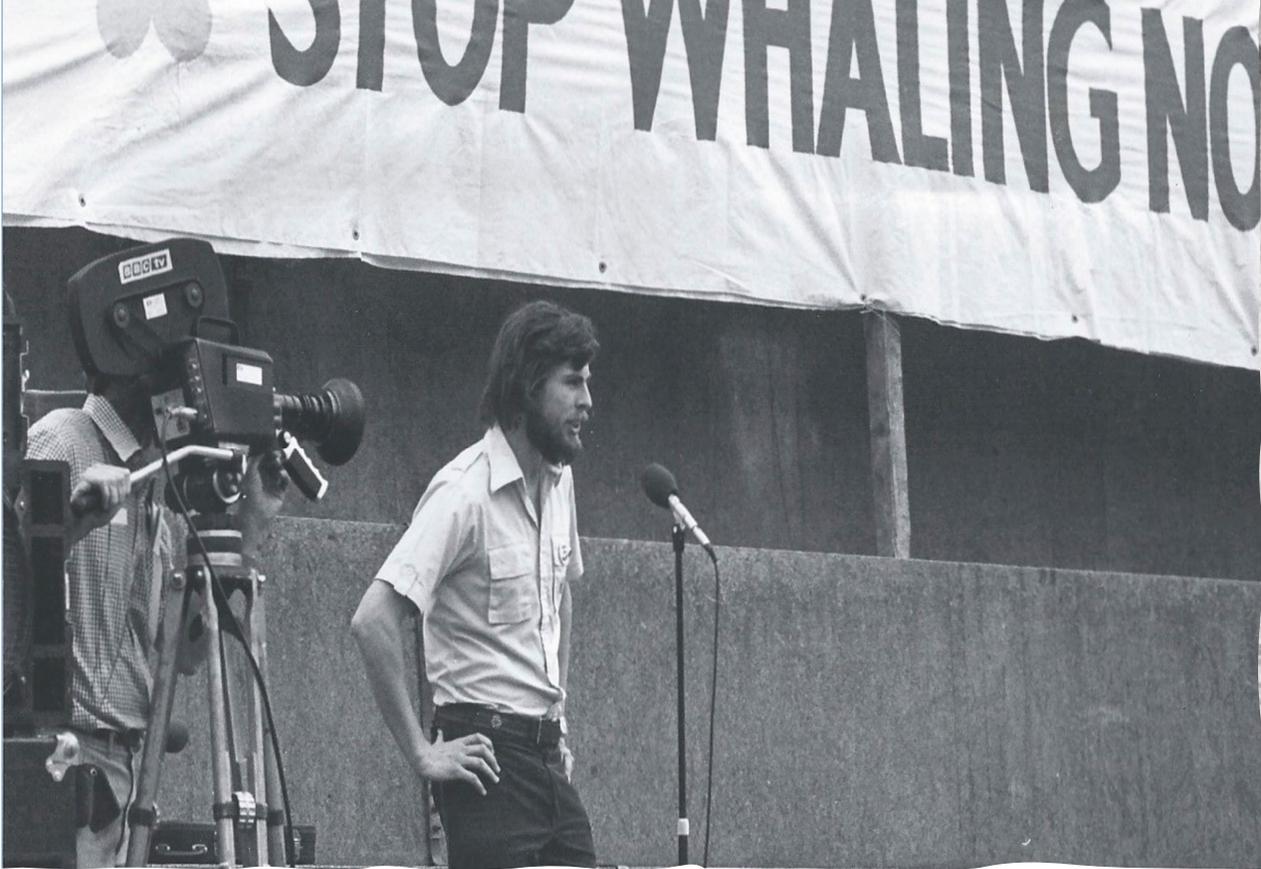
- Meeting their President & CEO (since 2012) Peter Bakker in Geneva
- Over 225 major businesses have signed up
- Unilever's former boss, Paul Polman, has been one of the key players, in COP and other debates
- In practice, little obvious impact, mainly advisory



Where do I fit into the Sustainability story?

- Passionate supporter of sustainability since University days. It's in my blood and my DNA. Ecologist
- Personal icons: Rachel Carson, Fritz Schumacher, Nelson Mandela
- Primary interests: Europe, Africa, Environment
- Wildlife Campaigner for Friends of the Earth. 1978-1980
- Fisheries Adviser European Commission (EC).1980-1986
- Environment Focal Point EC 1990-1993
- Human Rights, Governance, Civil Society 1998-2004
- EU Ambassador to the AU, Ethiopia, Tanzania, IGAD, EAC, Djibouti. 2004-2011. Lived in Africa 12 yrs, visited 45 states.
- 'Retired' 2013



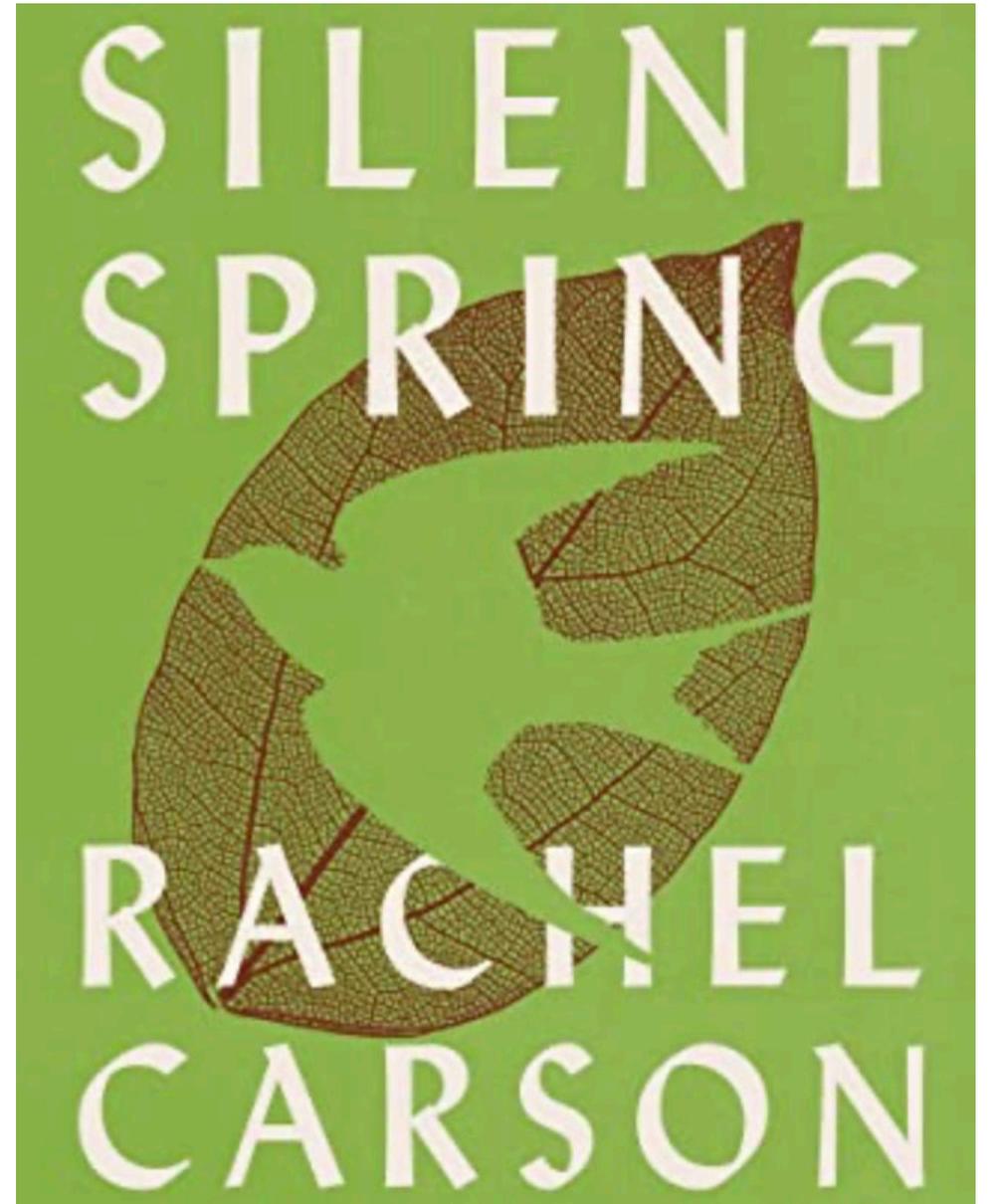


Save the Whales

- FoE Wildlife Campaigner
- Whale Rally in Trafalgar Square (Bob Geldof, Joanna Lumley etc)
- Whale 'Demonstration' on behalf of Whales, Brighton. Lobbying the International Whaling Commission
- Campaigning on Habitats and Endangered species



Iconic campaigner
against the use of
pesticides (DDT)



ABACUS

E.F. Schumacher

Small is Beautiful



A STUDY OF ECONOMICS
AS IF PEOPLE MATTERED

Small is Beautiful

- Economist at the UK Coal Board
- Iconic leader of the Small is Beautiful Movement movement
- NB his reference to 'A study of Economics as if people mattered'
- Appropriate technology



Nelson Mandela

Iconic, Inspirational African
leader

This photo is on my laptop
screen saver



Prof Mike Berners-Lee

There is No Planet B

Lancaster-based researcher who has dedicated his life to changing the attitudes of industry, notably the fossil-fuel industries, and businesses



Amy Bray

Founder of Another Way

Cumbrian Woman of the Year
at the age of 16

A personal mission dedicated
to changing people's attitudes
to waste, consumerism, food,
energy

Her Vision: A united world in
which communities are inspired
to live sustainably

You'll hear from her in a minute



Current Activities

- Volunteer, *pro bono* work for NGOs and universities
- Main interests: sustainability; climate change; biodiversity; heritage; empowerment of women; culture;and grandchildren
- Ullswater Valley's Heritage, Community, Conservation
- Try to help build a Sustainability reflex across the University of Cumbria
- Create with 13 African Universities, the Africa SDG Centre and GAIA Education, an Africa Climate Change and SDG MOOC – hopefully to be ultimately rolled out by most African universities and reach 20 million students. Concept launched COP28, Dubai.



THE SUNDAY TIMES BESTSELLER

DOUGHNUT ECONOMICS

Seven Ways to Think Like a
21st-Century Economist



KATE RAWORTH

'The John Maynard Keynes of the 21st century'
George Monbiot, *Guardian*

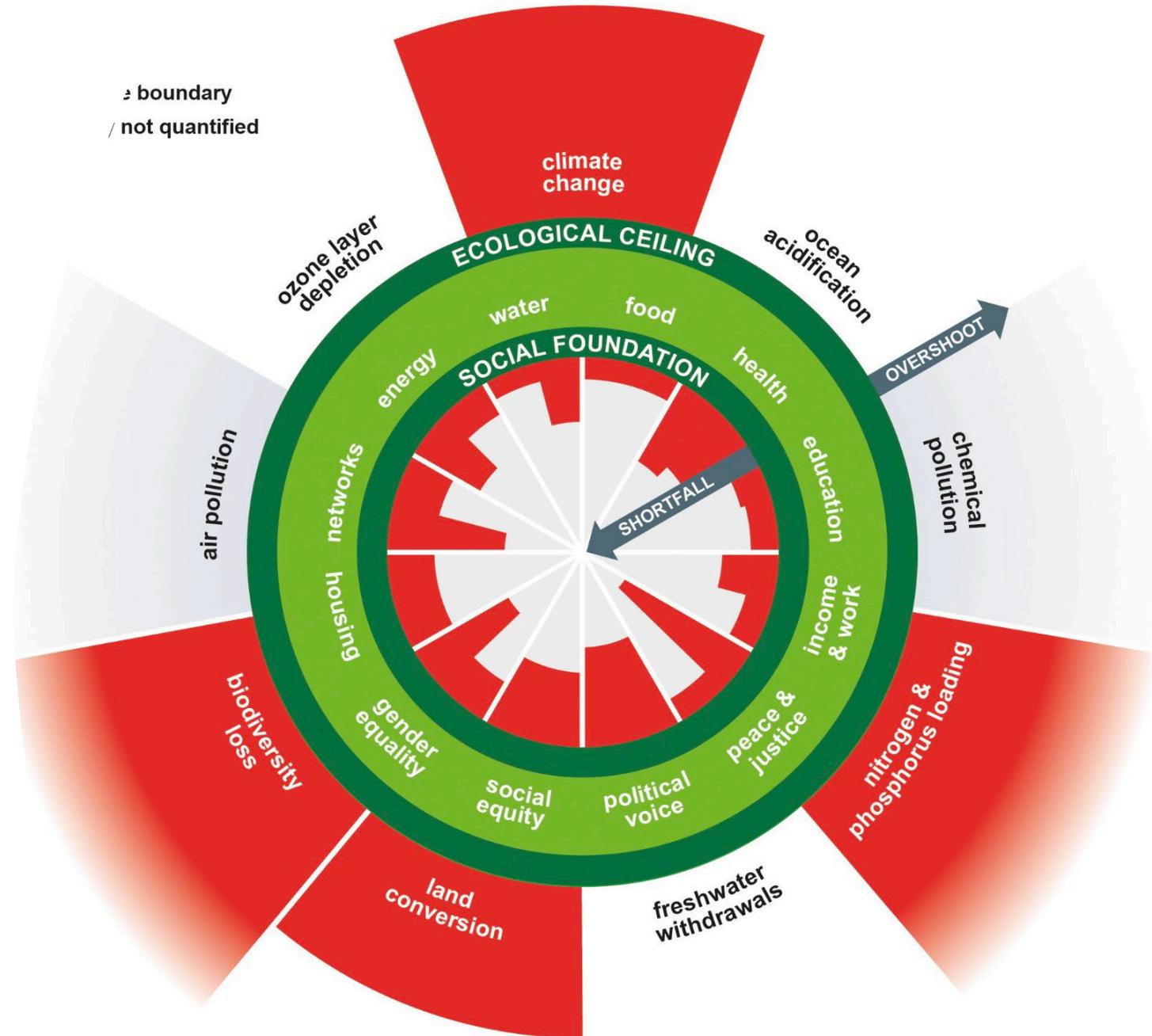
New paradigms? Doughnut Economics? Circular Economics?

Kate Raworth's inspirational attempt to try to change the 'classic' capitalist paradigm

The concept envisages sustainable development as representing 'a safe and just space for humanity' between planetary and social boundaries.

Doughnut economics

This diagram illustrates where the boundaries are being broken, potentially in an irreversible way





It's time for a circular economy

Through design, we can eliminate waste and pollution, circulate products and materials, and regenerate nature, creating an economy that benefits people, business and the planet.

Promoting the Circular Economy

Hugely impressive efforts led by the EU and some NGOs such as the Ellen MacArthur Institute, to completely change current paradigms.

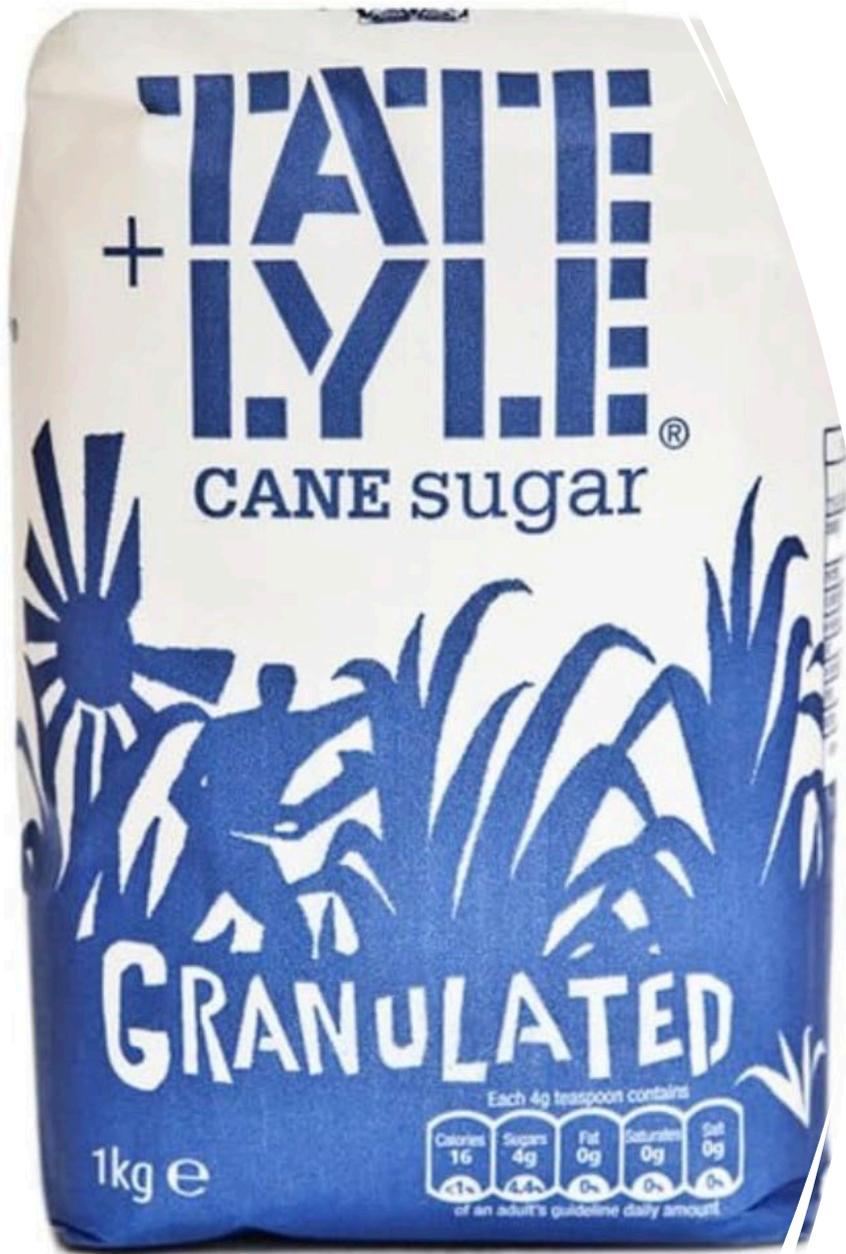
A Circular economy is regenerative, reduces demand for raw materials, promotes re-use and recycling and eliminates waste.

The Czech car producer Škoda has already achieved the feat of ensuring 95% recyclable and reusable materials in their cars.

Living Sustainably – some individual attempts to ‘walk the talk’

- Reduce WASTE. Recycle
- Reduce WATER use
- Use SOLAR Power.
- Insulate
- Make COMPOST
- Grow your own FOOD
- Cut down MEAT – at least
95% Vegetarian





Waste not, want not

- I throw away to landfill 1 kg/week. (equivalent to this bag of sugar). The rest is recycled, composted etc
- The average production of waste/person in Cumbria is 420kg/yr – x 8 this figure

One cubic metre of water saved per week

- As a family of 4 in Brussels we saved 1 cubic metre of water per week
- Where I live in Patterdale there is no water metre so it is difficult to measure usage.
- Average water use /person in Cumbria is 141 litres/day i.e. Cumbrian target is to reduce it to 100 litres/day
- An average of 12litres of water/person/day is lost brushing teeth
- A 10 min shower uses about 100 litres of water



Make Compost - it's not hard

My compost heaps.

Nothing very grand.

Massive numbers of
worms, without really
trying





Courgettes
are easy
pickings for
non-
gardeners

Solar power

- Installed March 2022
- I measure kWh production every day. Varies from 0 kWh/day to 46 kWh/day. To date, have produced 9,500 kWh
- Average use about 16 kWh/day
- Pay back period 3 years - much faster than I expected.





New EV in March

- Nice to run a car on your own Solar power.
- Fully charged should do 225 miles, about 10 hours charging from zero
- Cost – very cheap about £1 for 30 miles

Recycling

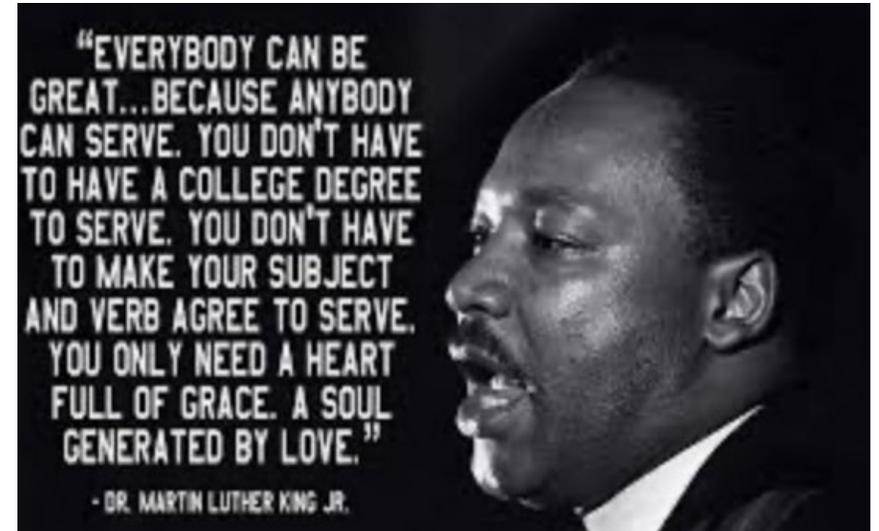
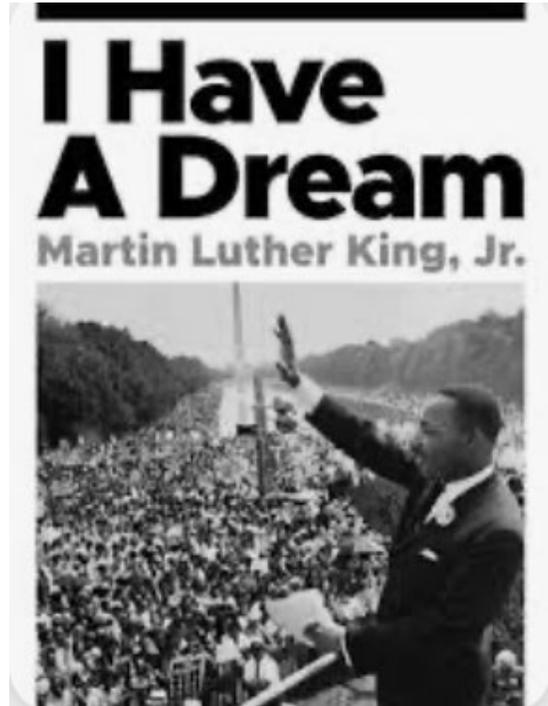
- I recycle paper, plastic, cans, glass
- No real idea what the commune does with it all. Having seen the state of the Council recycling containers I seriously wonder what gets dumped directly in landfill.



I too had a dream – my Martin Luther King Moment.

In a tiny, destitute Tanzanian village I dreamt of creating eco-community projects based on sustainable development.

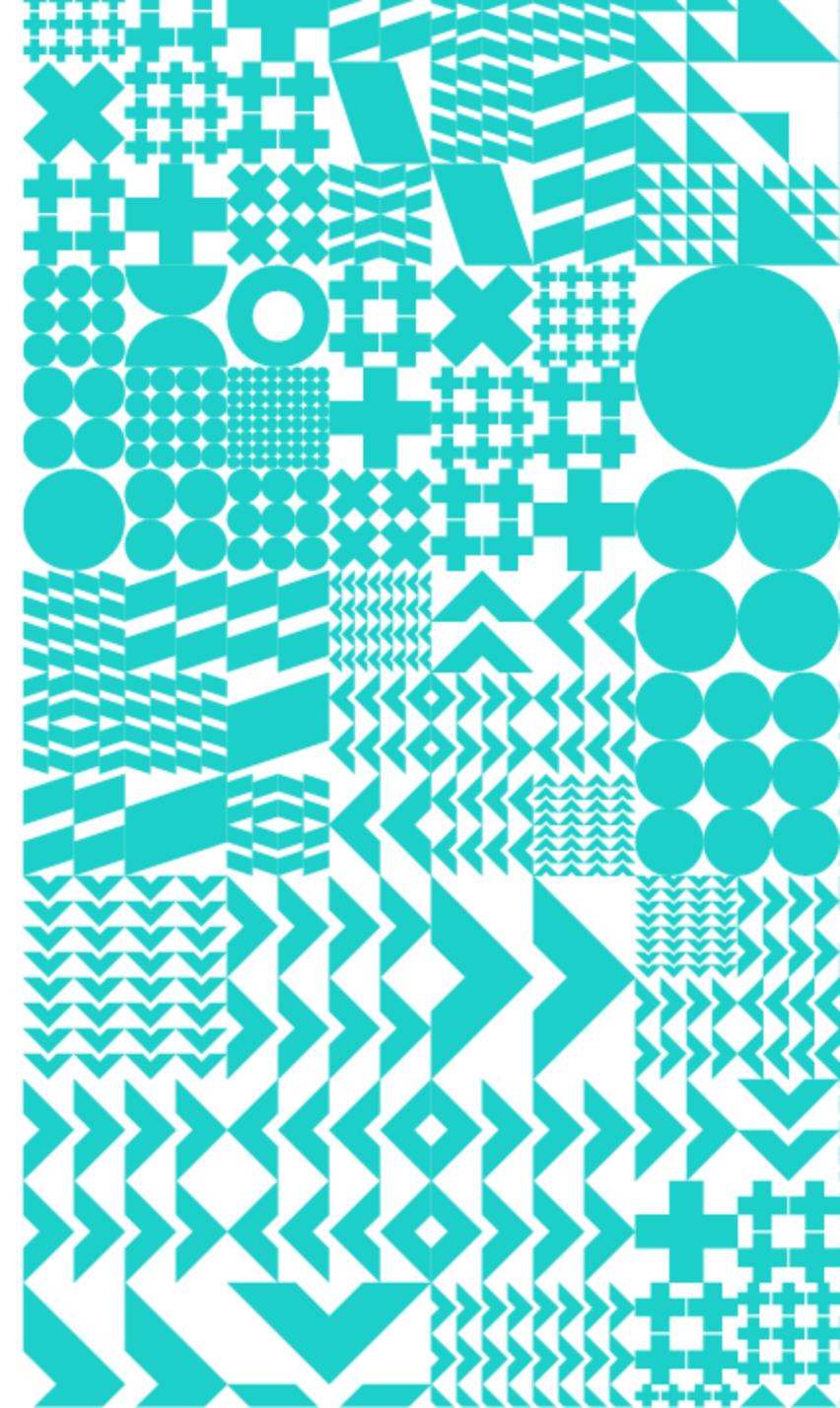
Led to the launch of an Ecovillage project in 5 villages in 2011, a first for the EU in Africa - and globally.



Sustainability at Community level

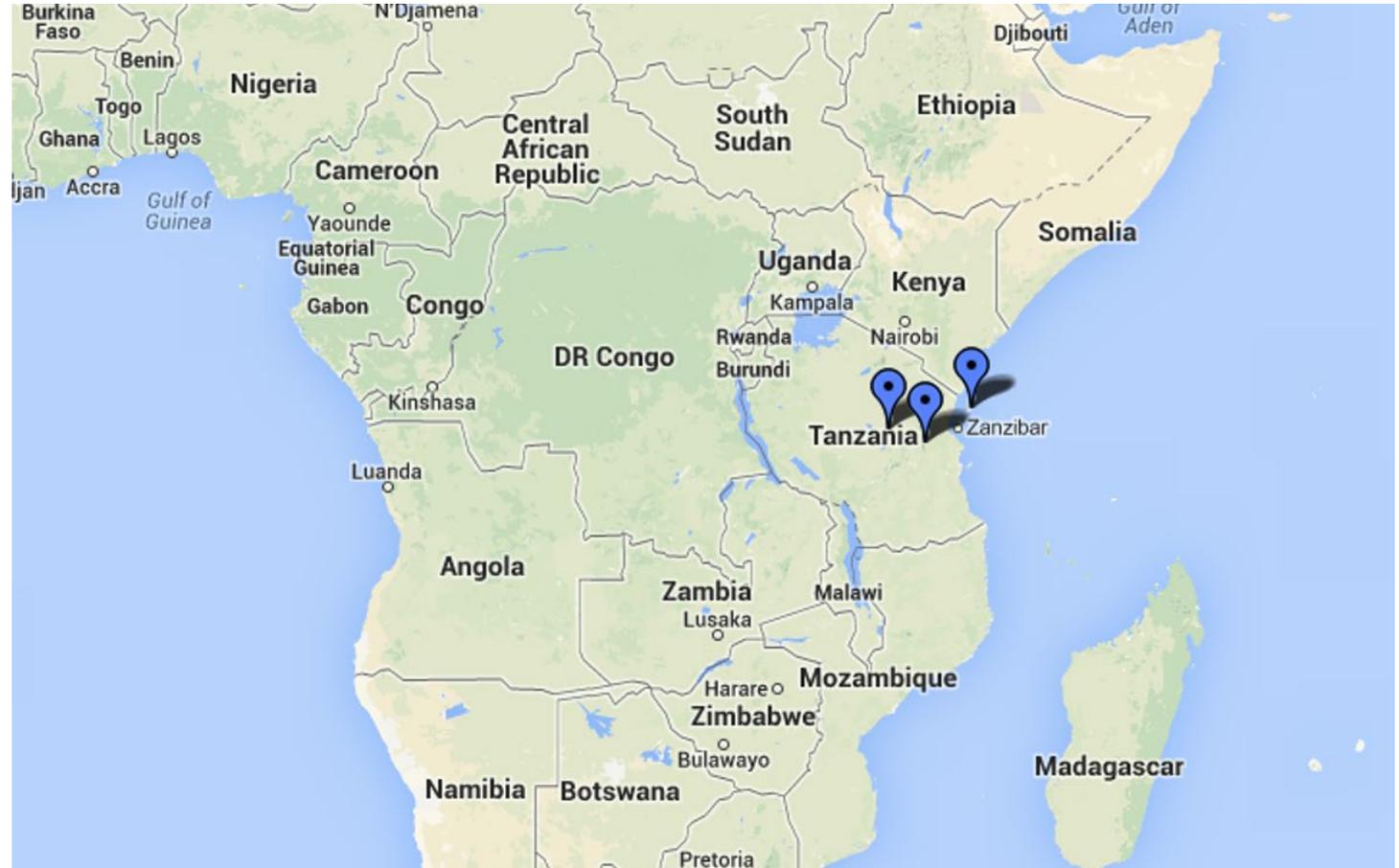
Examples from Africa and the UK

- 2 examples from Tanzania: Chololo, Chumbe Island. I have many, many more
- Findhorn, Scotland
- Great local examples in the Ullswater valley



Tanzania Ecovillage programme

- Chololo, Pemba, Morogoro, Usambaras
- Aimed at the poorest of the poor, living in the most difficult and deprived conditions





Chololo Ecovillage

A+++ project located in one of the driest and poorest areas of Tanzania.

Over 20 new technologies introduced to build sustainable livelihoods – water harvesting and storage, solar, improved breeds of goats etc

Biogas from cows

- Has proved very successful. Fuel piped directly to her home – no deforestation, no back-breaking work carrying fuel wood
- Extra whammy: compost
- NB Highly innovative projects of this sort introduced by Finnish aid in Ethiopia – biogas from human excrement in prisons, hospitals etc



Chololo water storage underground and water harvesting

- 60,000 litre capacity tanks made by villagers themselves
- Water harvested from run off from schools and all public buildings
- Has revolutionized health care



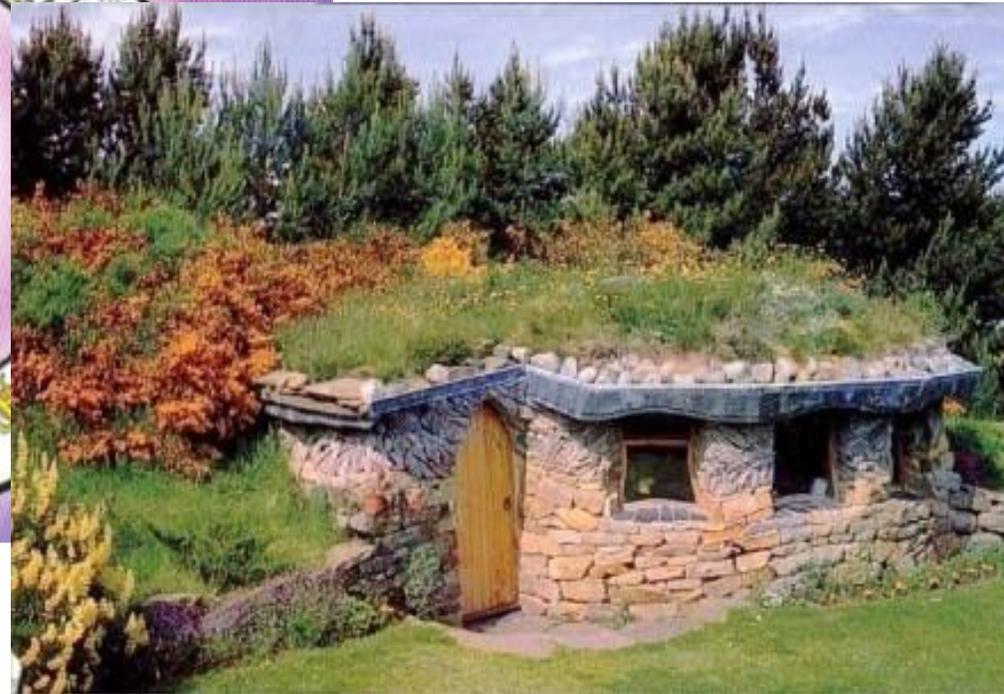
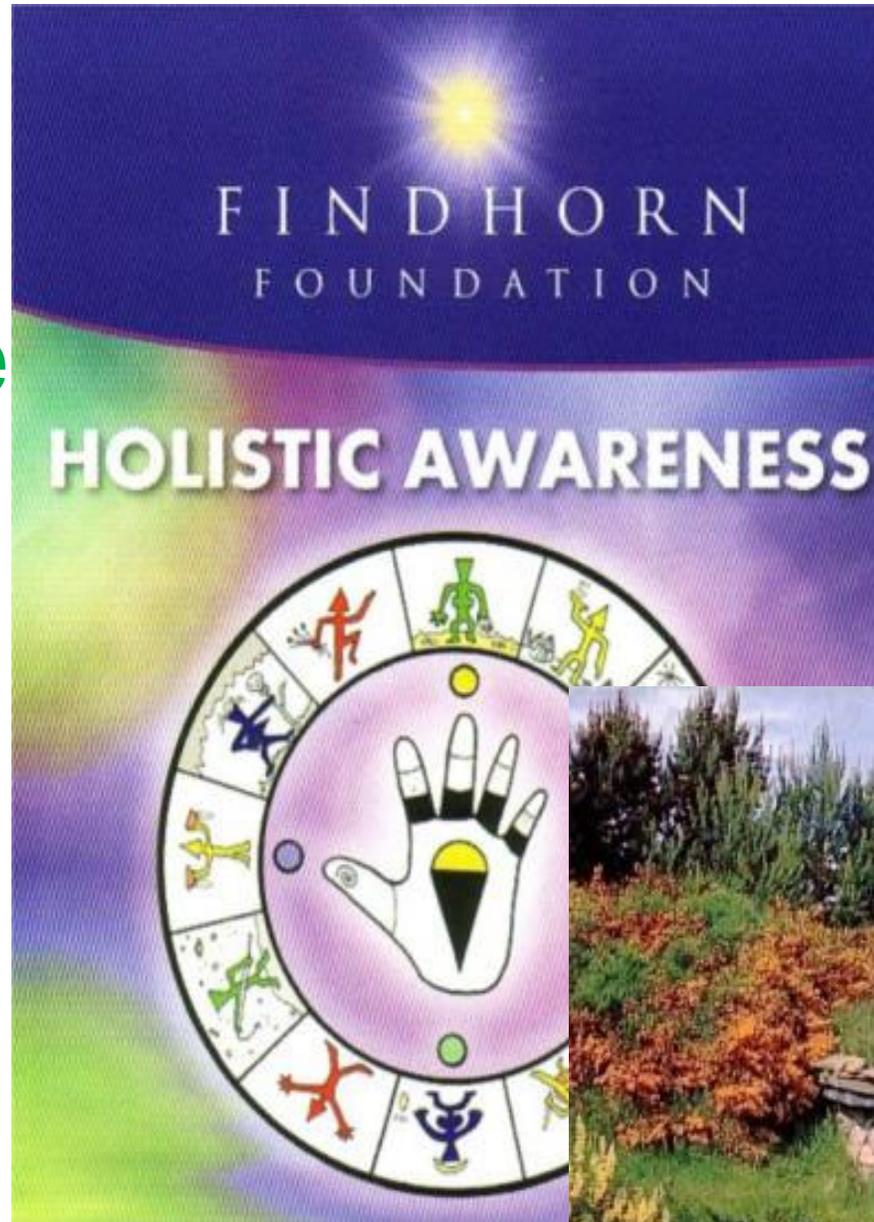
Chumbe island, Zanzibar. The 6 'R's

- Photo on wall of Community education centre:
- **Recycle, Re-think, Refuse, Reduce, Re-use, Repair**
- Amazing biodiversity of the reefs – 100 % protection of fish and coral species
- 100 % sustainability.



Findhorn Scottish Ecovillage

- For decades has been an international centre on sustainable practices
- Hosts the Global Ecovillage Network (GEN) – thought to be as many as 10,000 ecovillages across the world
- Hosts GAIA Education. Trustee for 8 years



Cumbria- work of ZCC and CaFS. How to tackle transport?

Zero Carbon Cumbria Report in March 2024

- Transport responsible for 40% of Carbon emissions in Cumbria (plus pollution etc)
- To achieve Net Zero Carbon Target by 2037 need to reduce transport by:
 - 13%/yr from 2024 to 2030 and
 - 20 %/yr from 2031 to 2037.
- The best achieved so far, (during COVID) was 6.4%
year
- Mission Impossible?
- No ! Need Innovative, Green solutions



Ullswater's Sustainable Transport (SITU) group

- Major successes
- Creation in 2023 of the Eamont Way linking Penrith Railway station and Pooley Bridge. 3 years of planning.
- Hopper Bus in partnership with Stagecoach, local businesses and NGOs



Sustainable and Integrated Transport for Ullswater

Eamont Way



Ullswater Hopper Bus

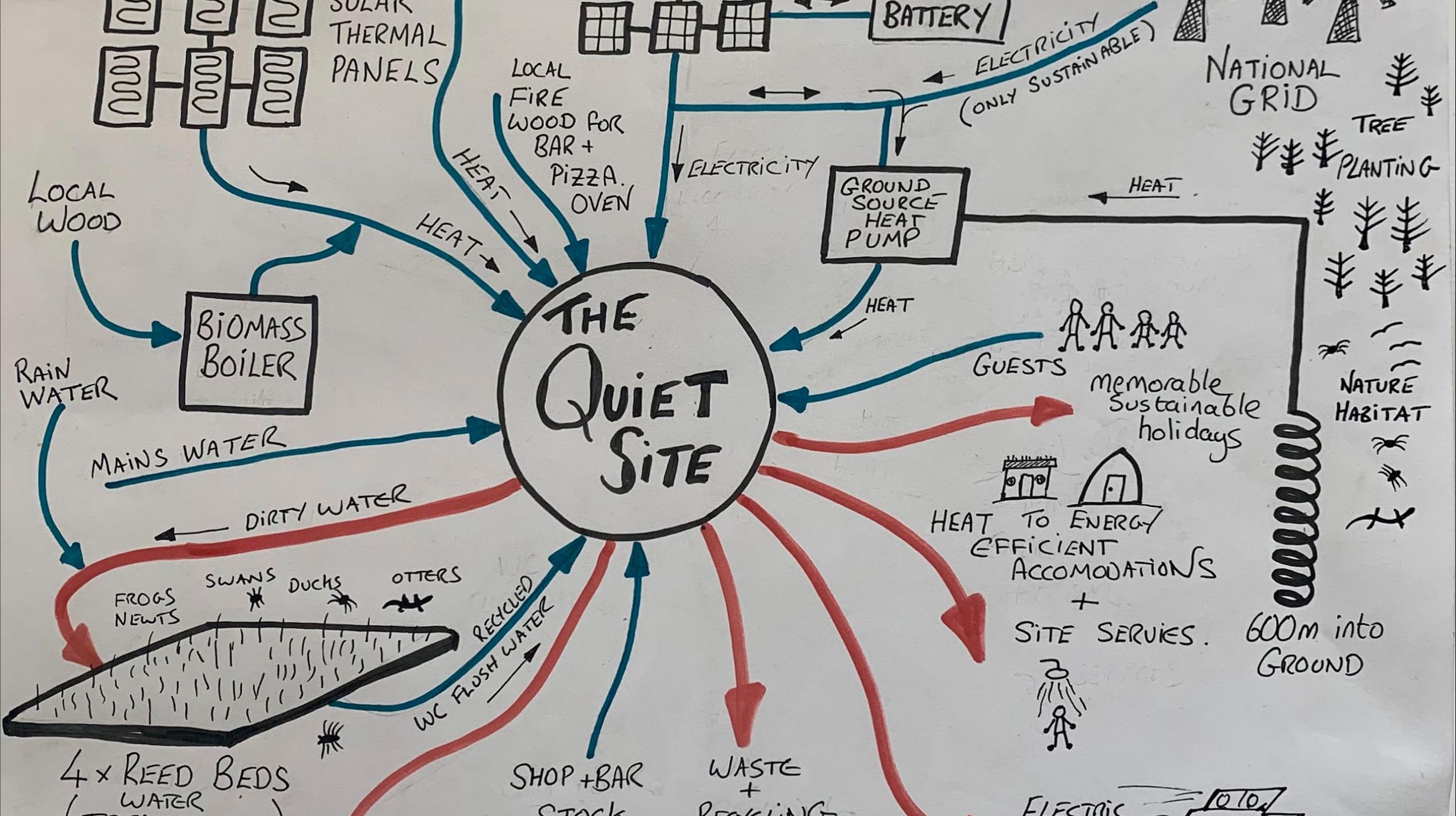


Quiet Site Ullswater

Daniel Holder – ‘Green Champion’

- UK’s Greenest Park 2024
- AA UK Campsite of the Year, England and Overall Winner 2023/4
- Green Tourism GOLD Award 2023
- European Sustainability and Environmental Award 2024 (finalist)
- Queens Award for Sustainable Development 2020





Sustainability at a City level

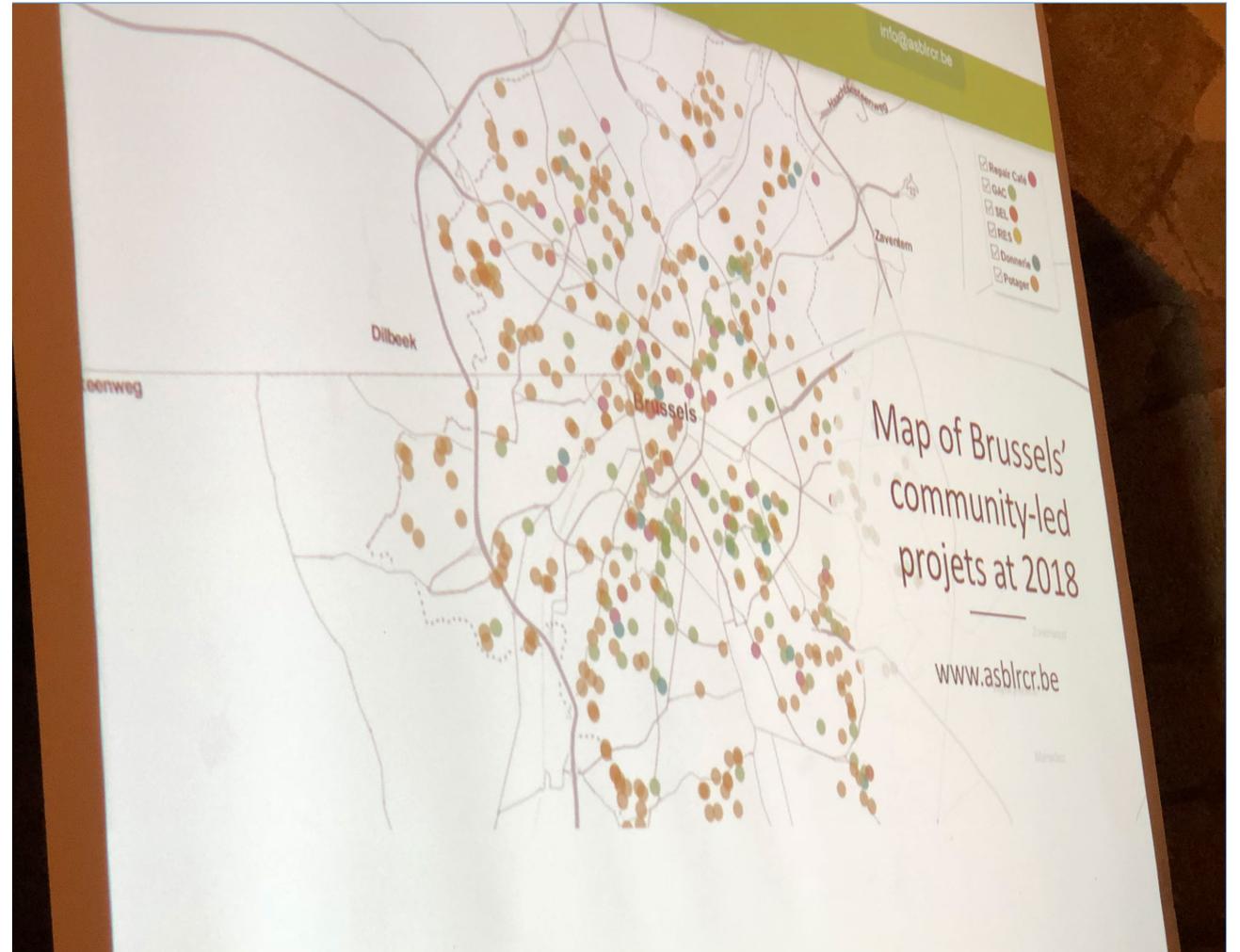
Mayors in C40 cities:

- leading efforts to use an inclusive, science-based and collaborative approach to cut their share of emissions in half by 2030, and build healthy, equitable and resilient communities.
- About 100 cities are members of the C40 club (created in 2005 in London) that has set Leadership Standards (2021-2024) to meet sustainability and carbon targets.



Sustainability at a City level

- Example of planning at Community level in Brussels
- Dar es Salaam
- Groningen in NL
- Amsterdam, Copenhagen and Johannesburg are all world leaders in this movement





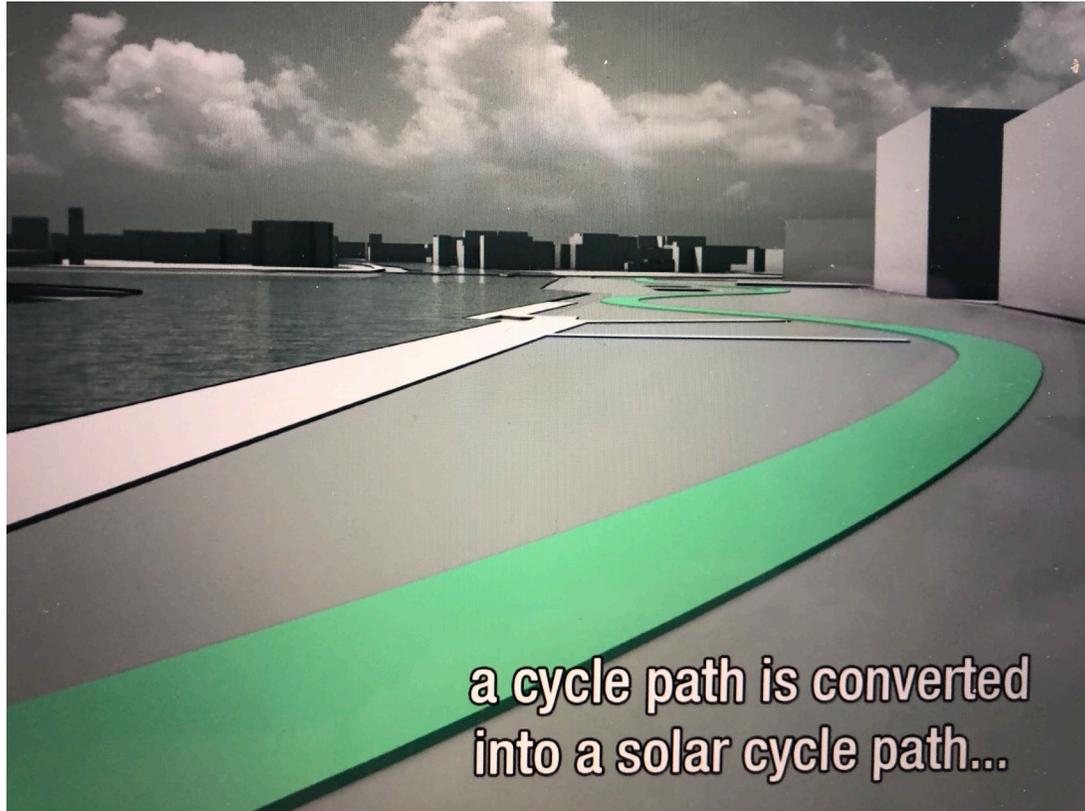
Cycle power, Dar es Salaam

- Encouraging the Minister of Infrastructure to support pedal power
- The Mayor closed a central part of Dar (population 7 million) to allow pedestrians and cyclists to 'take back control' of the streets
- Is now an annual event

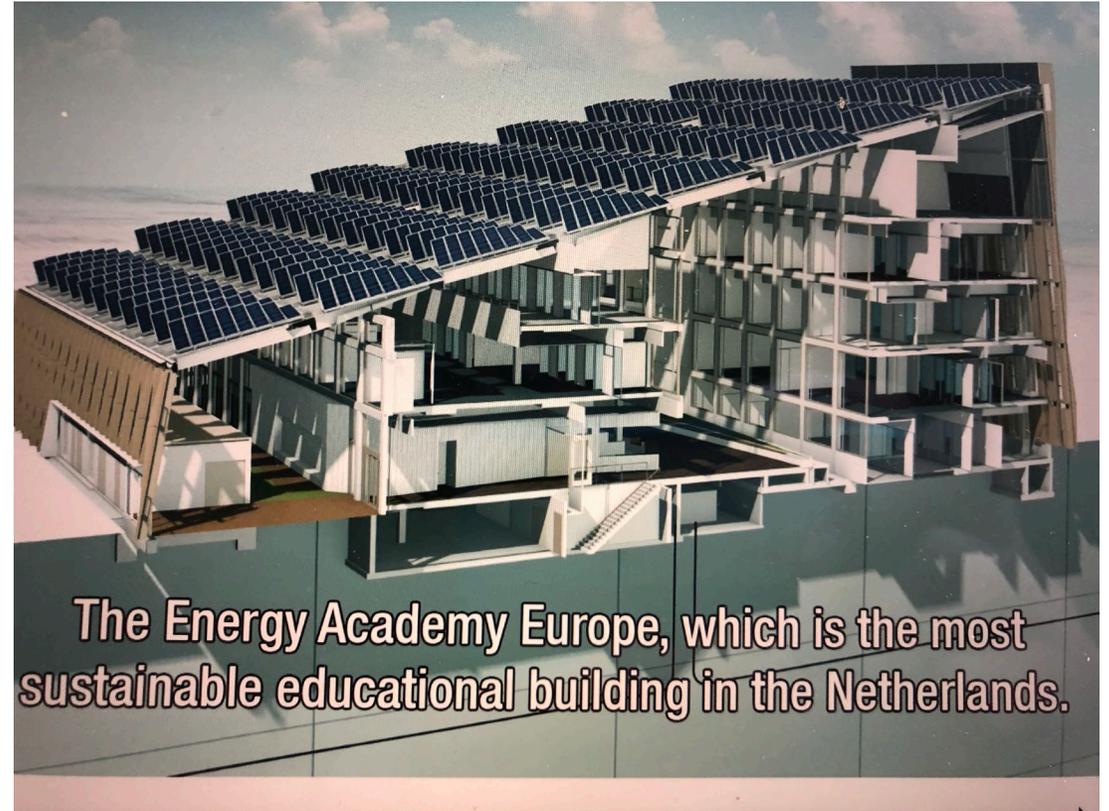
Groningen

- Population 220,000
- Initiative in 2018 to develop a sustainable, circular economy vision for the city.
- Retro-fitting all public infrastructure: housing, roads, public spaces
- Aims to become Waste neutral by 2030





a cycle path is converted
into a solar cycle path...



The Energy Academy Europe, which is the most
sustainable educational building in the Netherlands.

Groningen

Cycle paths converted to generate power, Creation of the Energy Academy Europe, the most sustainable Education building in the Netherlands



▼ Projects

Projects

Sustainable business travel policy

Sustainable Literacy Test (Sulitest)

Green Growth course

Sustainable Experience City Map

Student Consultancy

Sustainable Experience City Map

For our project the “Sustainable Experience” we have mapped all the sustainable initiatives in Groningen. This map gives an overview of the sustainable shops, restaurants, lunchrooms and supermarkets in Groningen. We focus on initiatives and companies that have sustainability on the top of their agenda, that are local or that contribute to sustainability in some other way. They may offer biological and local food or a broad variety of vegetarian and vegan food. The result of this project is a city map with information about sustainable initiatives or companies and information on where you can find them. The first edition was created in 2018. The current version is an online Google Maps city map that can be kept up to date more easily.

[Interactive sustainable map ▶](#)

Do you think we forgot to include something? Let us know via greenoffice@rug.nl!

Free Your Stuff Groningen

Too Good To Go

Shops with a large variety of products

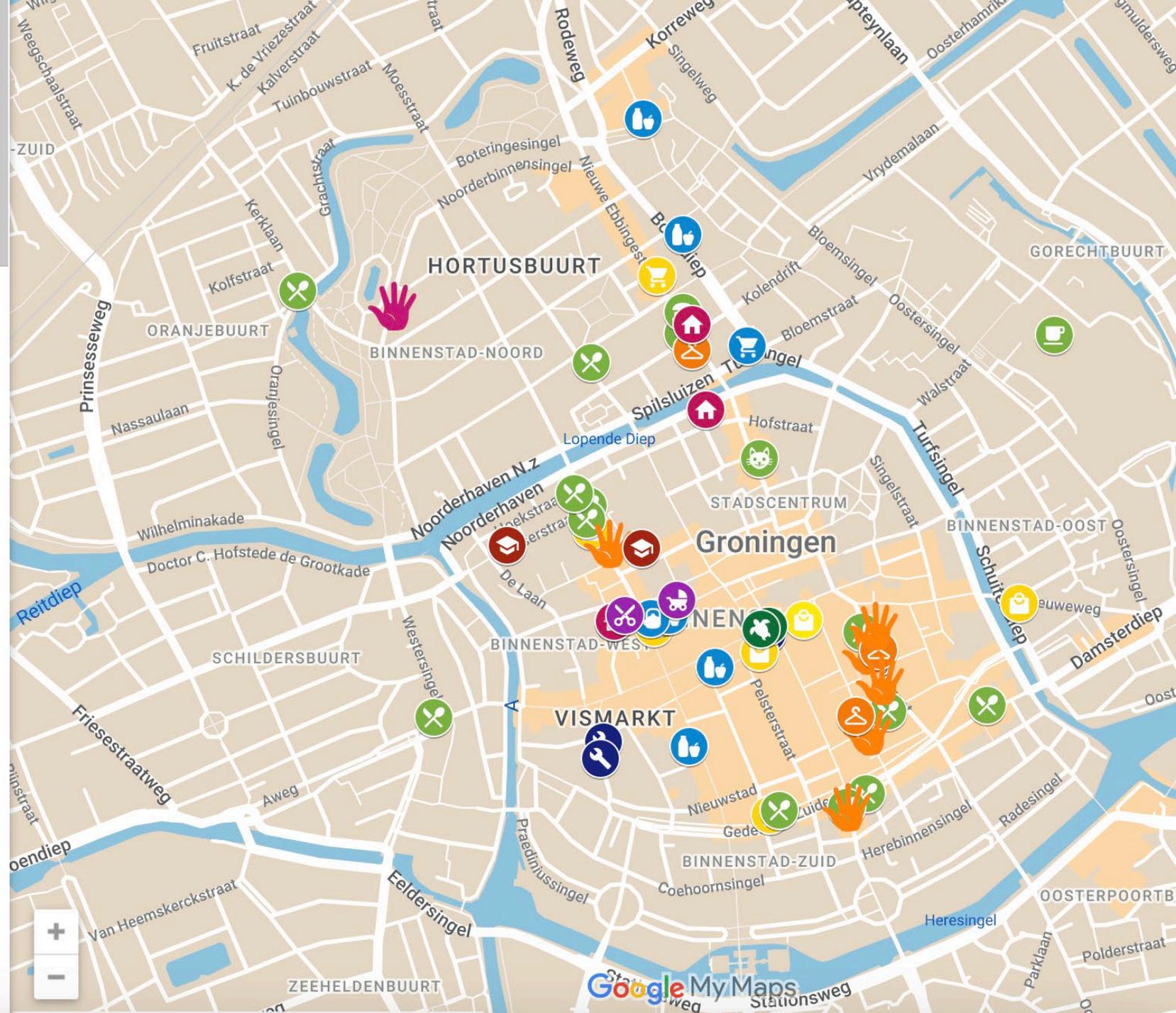
- De Nieuwe Weg
- De Stadsakker
- Dille & Kamille
- Ekoplaza North Student Discount!
- ... 4 more

Cafés & Restaurants

- Bagels & Beans
- Gezonde Planeet
- Het Bakkerscafé by Palazzo
- Achterwerk - 100% Vegan
- ... 16 more

Clothes (new & second-hand)

- Noni & Willy
- Appel & Ei - Buy & Sell



1. Introduction and Goal

This report has been written in assignment from Green Office, an organizational unit of the University of Groningen (RUG). Green Office has been established in 2014 and coordinates and initiates projects related to sustainability at the University of Groningen.

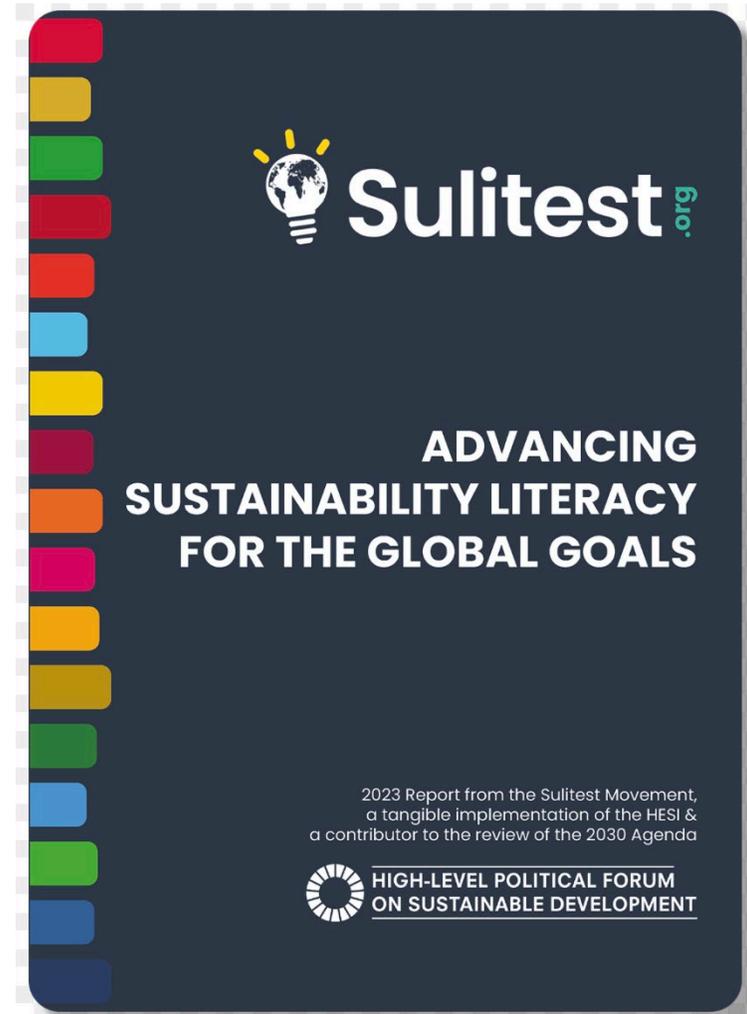
Its goals are developing the sustainability awareness and inform students and staff on sustainability efforts of the UG, increase awareness and an understanding regarding sustainable life environment and foster implementation of sustainable knowledge as a lifestyle. Green Office originates from student movement and in general is run by 5 student employees and two senior employees head Dick Jager and sustainable education coordinator Marijke Nieborg. It also engages people on voluntarily base under “Sustainability ambassadors” concept. The ambassadors are supporting the Green Office voluntarily and help with organizing events, networking and being a part of the community. The ultimate goal is to have “sustainability in University’s DNA” as the head of Green Office Dick Jager told us. Green office is supported by Advisory Board consisting of academic and non-academic employees of different faculties at RUG. The board meets once per month to help by providing feedback and advise to Green Office in its operations and initiatives.

The Green office plays an important role in this concept of the sustainable university and is working next to the task force with the focus on people, planet and profit (performance) (Gusc and Heijes, 2018). Inspired by UN Sustainable Development Goals Green Office developed Roadmap 2015–2020 consisting of 14 ambitions (see Figure 1).



Sulitest

- UN Initiative, aligned to Higher Education Sustainability Initiatives (HESI)
- Groningen is part of Sulitest Network (121 Academic partners: 14 in the UK (e.g. Plymouth, Nottingham, Glasgow, Cambridge, UCL, etc))
- Platform to ‘support expanded sustainability knowledge, skills and mindset that motivates individuals to become deeply committed to building a sustainable future and to making informed and effective decisions’



Sustainability at a National level

- The Nordic countries are the stars of Sustainability - Sweden, Norway, Denmark, Finland
- Interesting coincidence that the countries that tend to top the World Happiness Index (2023) are also those that promote Sustainability



 GreenMatch

The World's Greenest Countries 2024 ...

Sustainability at National Level: Senegal

- The only country in the world to have a national Ecovillage programme
- Resulted from an edict from the President who was passionately interested in bottom-up community development as a means of empowering rural communities. Sustainability and eradicating poverty were the two key issues.
- State-dominated – ultimately collapsed – not driven by communities



University of Cumbria (1)

- What is the relevance of all this for UoC?
- Where are we in the Sustainability debate? Is this important to us/our families/communities – and their children: future generations?
- What is our history/heritage/culture?
- What should be the role of our University?
- What do we want our campuses to look like in 5,15,30 years? Has anyone painted a picture?
- Is Sustainability fully articulated into UoC's current Vision Towards 2030?. Role of Well-Being?



University of Cumbria (2)

- Have we defined how it will 'feel' in each campus - for staff, students, visitors, other university 'competitors', wider society?
- Do we have any idea of 'value' of Sustainability to staff and students? Are we collectively proud of what we in UoC are currently doing to achieve Sustainability targets?
- Have we identified resources (leadership and other responsibilities, staff/student time, funds etc) to achieve sustainability goals ?

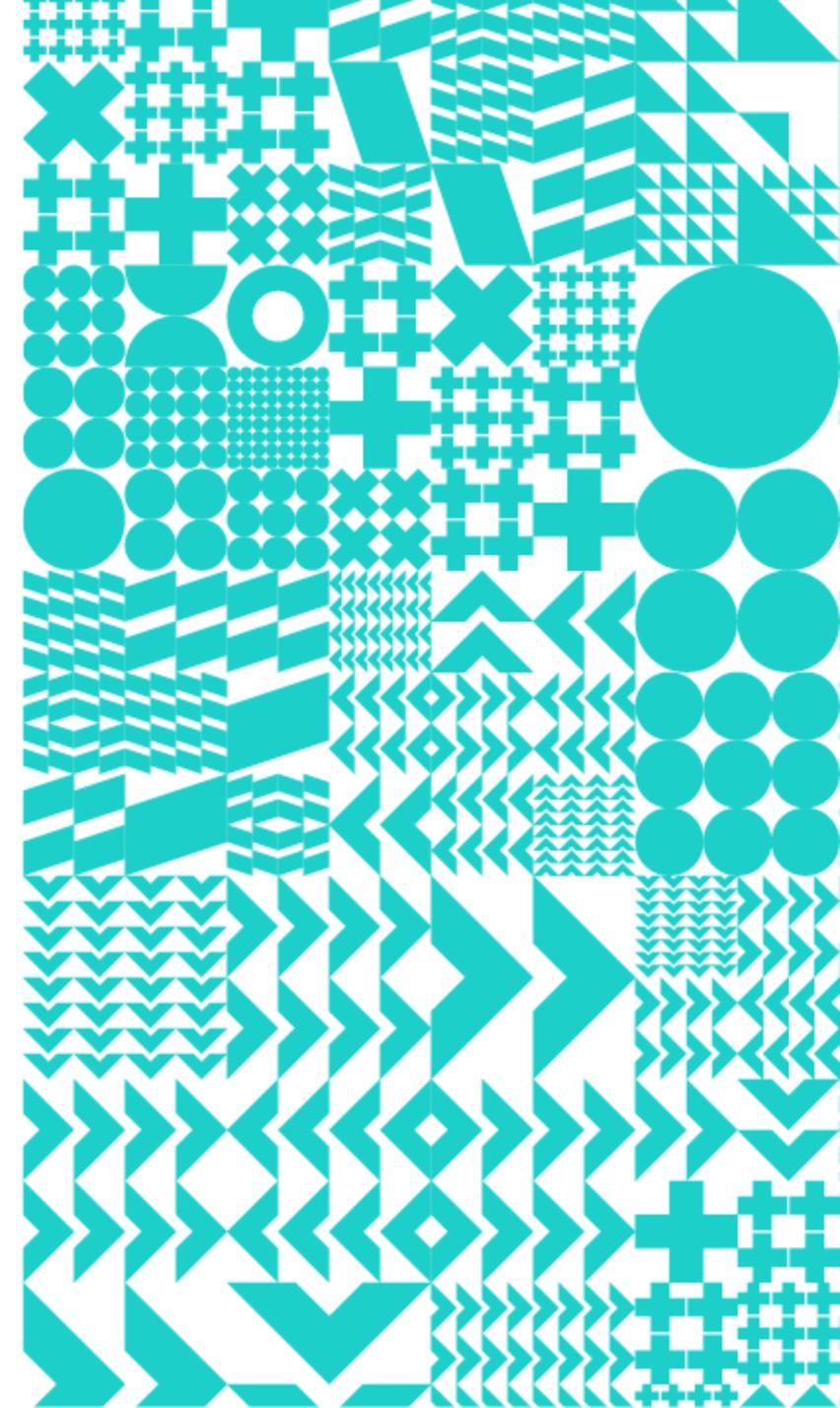


No quick fixes, no 'right' answers

Experience elsewhere, in other institutions, is that to achieve a genuine Sustainability 'reflex' is very tough.

It needs:

- Total clarity on the Vision driving the process
- Strong leadership – from the bottom as well as the top
- Collective agreement on process, targets, outcomes
- Genuine open participation by all relevant parties
- Rigorous debate/discussion. Laser-like attention to detail
- Some sort of 'scaffolding' to structure the debate
- Earmarked resources (people, funding).
- Capacity-Building. Training. Awareness. M&E
- External support can help unblock barriers



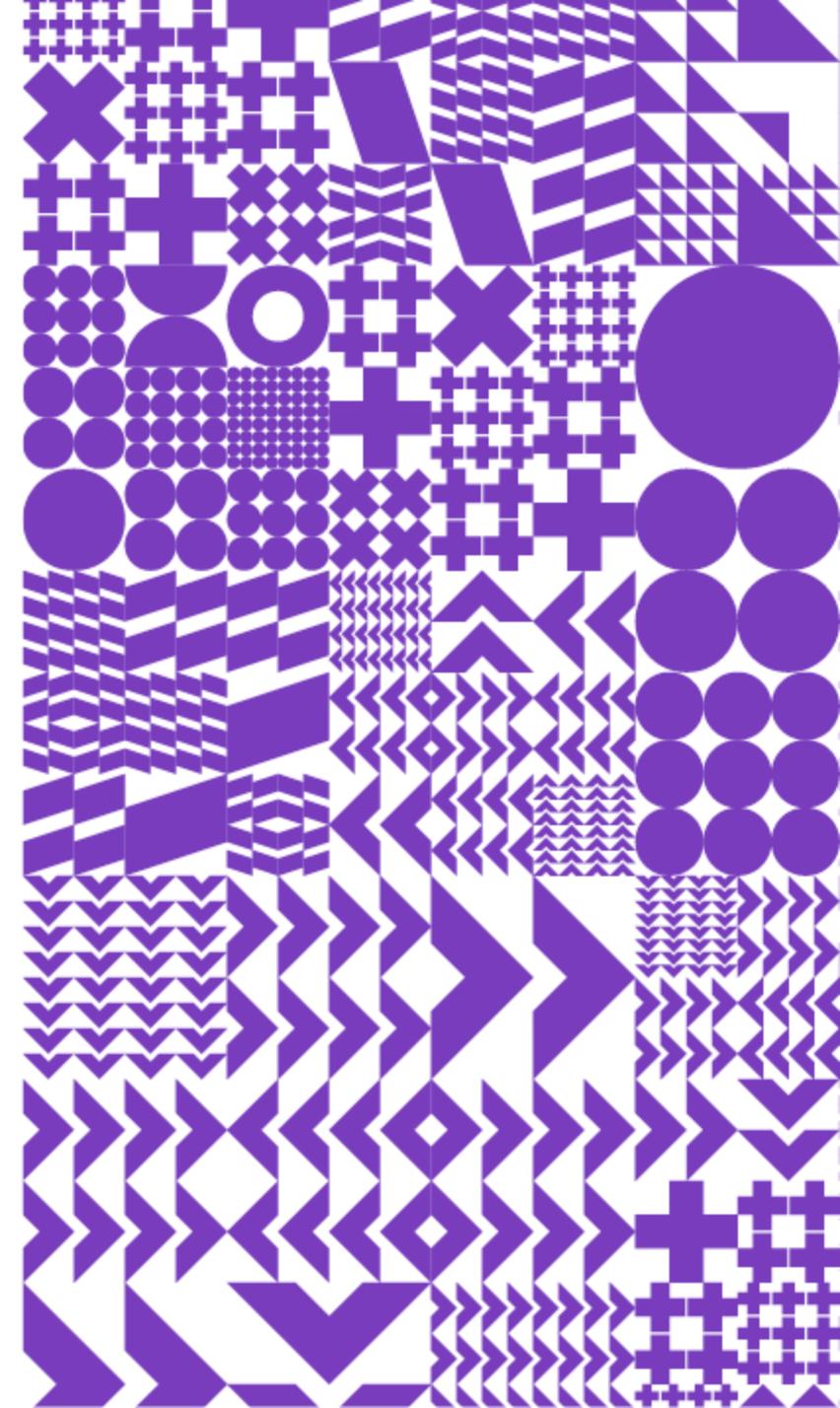
Cumbria has an abundance of expertise on this topic.

- Individuals: e.g. Prof Mike Berners Lee, as well as UoC's own academic staff
- Companies: IMPACT International (HQ in Ambleside, Founder and CEO trained at Charlotte Mason College). They were heavily involved in creating the Institute for Leadership and Sustainability at Ambleside. They have a massive international outreach, with alumni who could help.
- Relevant organisations/partners: LDNPA, Zero Carbon Cumbria, CAfS, FBA, local MPs
- Civil society and community groups that could be encouraged to be part of the process



Many national/ international bodies could be called on to help

- **The Environmental Association for Universities and Colleges (EAUC):** It is a sustainability-focused organization for UK universities and colleges in the UK. They undertake peer reviews and assessments of sustainability policies and reports. NB Their 2023 Flagship report on Climate Change, and **Sustainability Exchange** an online platform that provides resources and case studies on sustainability in higher education.
- **The Higher Education Sustainability Initiative (HESI):** A global platform that promotes sustainability in higher education institutions. They are hosting **at the UN in New York a Global Forum on Sustainability on 17th July**
- **Students Organising for Sustainability (SOS UK),** and their **Green Impact and Futures Planning** that support sustainability initiatives within UK universities and colleges. Extensive support on capacity building, undertaking University Annual Sustainability Audits.



Empowering Universities to achieve their sustainability goals

A Times Higher Education (THE) Dashboard – designed to ‘enable universities to decode and analyse the data behind the SDGs.....and support Universities’ sustainability efforts’



Empowering universities to achieve their sustainability goals.

THE is pleased to announce the launch of the SDG Impact Dashboard – a new benchmarking tool that will enable universities to decode and analyse the data behind the Sustainable Development Goals.

The SDG Impact Dashboard will support universities' sustainability efforts by providing data and insights into performance, as well as best practise from around the world.

Contact data@timeshighereducation.com A part of **THE** DataPoints to learn more

The Times Higher Education SDG Impact ranking 2030

- These are **the top 5 Universities on SDGs globally** (Manchester is ranked no 2 !!)
- No entry for UoC....
- But UoC was top in the UK for SDG4 (Quality in Education) in 2020, and 8th globally!

Rank	Name	Best scores by rank				Overall
1	Western Sydney University 📍 Australia	5 80.3	12 93.4	15 96.7	17 98.8	99.4
2	University of Manchester 📍 United Kingdom Explore	15 97.4	12 92.9	11 92.2	17 94.8	97.5
3	Queen's University 📍 Canada Explore	2 90.6	16 93.4	11 91.0	17 92.6	97.2
4	Universiti Sains Malaysia 📍 Malaysia	16 94.1	2 86.4	1 84.9	17 97.8	96.9
5	University of Tasmania 📍 Australia	13 92.8	15 96.2	14 95.1	17 96.3	96.6

People & Planet University League 2023/4

Some Universities have made great efforts to promote Sustainability:

These are the Top 5, Ranked in the 1st Class category

- Reading
- Manchester
- Bedfordshire
- University of the Arts, London
- Kings College London



How sustainable is your university?

People & Planet's University League (see table below) is the only comprehensive and independent league table of UK universities ranked by environmental and ethical performance. It is compiled annually by the UK's largest student campaigning network, People & Planet.

The new 2023/24 People & Planet University League is displayed below.

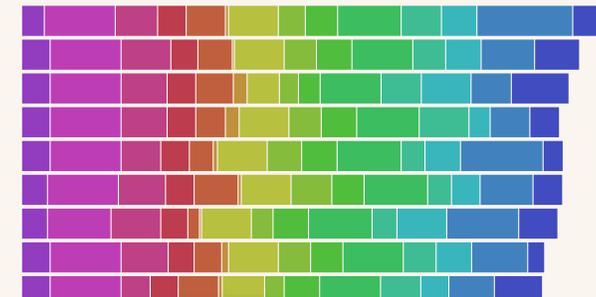
Showing full People & Planet University League

Rank which universities
All universities

Rank universities by
Total score

1st Class Universities

- 1 University of Reading
- 2 Manchester Metropolitan University
- 3 University of Bedfordshire
- 4 University of The Arts London
- 5 King's College London
- 6 Cardiff Metropolitan University
- 7 De Montfort University
- 8 Swansea University
- 9 University of Worcester

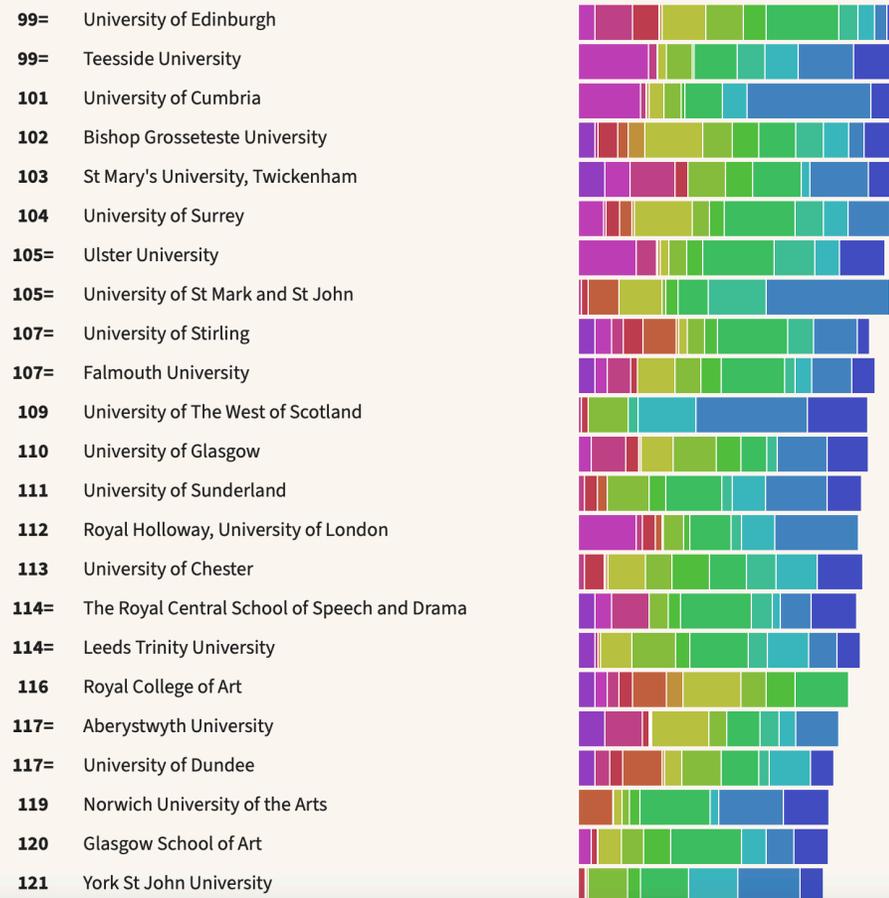


People & Planet University League 2023/4

UoC ranked 101st in the 3rd
Class Category, behind
Edinburgh and Teeside

(shows perhaps the bizarre
nature of the league table)

3rd Class Universities



Ambleside Sustainability Working Group (Work in Progress)

The ASWG was established in Jan 2024 under the authority of Pro VC Jonathan Eaton (Learning and Teaching).

The Overall Goals are set out
Seven Workstreams identified and teams nominated to work on them in time for the presentation of this material to the Board.

The Ambleside Sustainability Project will contribute directly to the delivery of the following elements of the Towards 2030 Strategy:

- To establish Ambleside as an internationally recognised place of scholarly excellence for sustainable practices and the natural environment, bringing Scale How and Hill Top back into use.
- To facilitate significant learning opportunities for all our students and staff to gain a deeper understanding about their role in the global challenges of making our planet more sustainable.
- To ensure our breadth of curricula appropriately reflects the UN 17 SDGs
- To contribute to the growing evidence and research base around sustainability and carbon reduction and capitalise on our Centre for National Parks and Protected Areas Research Centre
- To be a role model in our society, utilising students and staff to educate and inform those around us

Objectives and Activities of the ASWG

The main purpose is to develop a 3 year Workplan for approval by the VC by the end of May 2024, aligned to the 2024/2025 planning round

The terms of reference of an External Advisory Committee will be established and put in place by September.

Whilst there is an initial Ambleside focus the intention is to roll out initiatives across the whole university

A Planning workshop is being scheduled for May.

In order to contribute effectively to the elements of the Towards 2030 Strategy outlined above both at Ambleside and across the University, the project will:

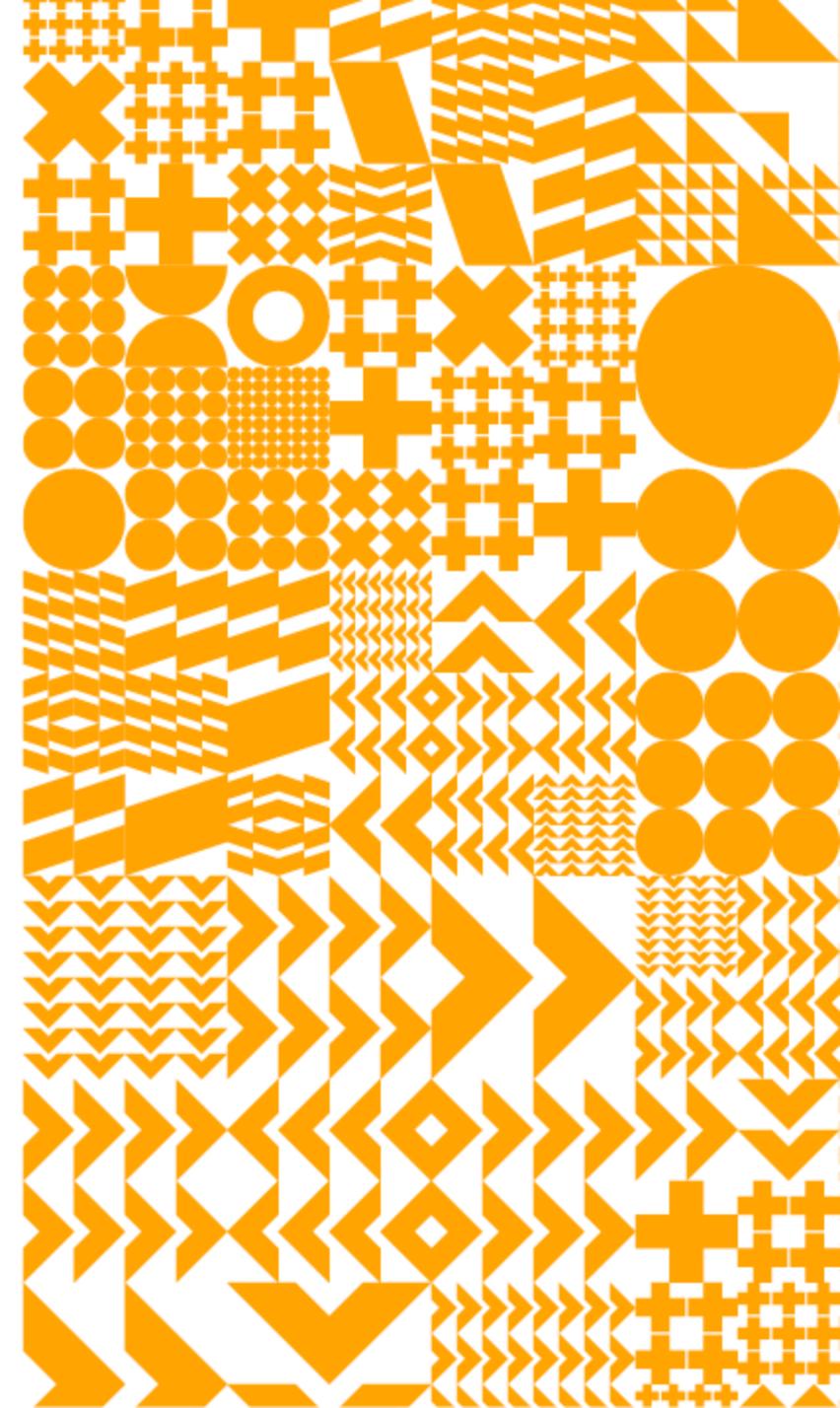
- Outline immediate actions, leads and initial resource requirements for approval by the University Executive by the end of January 2024.
- Develop an ambitious, achievable three year workplan (identifying clear goals, SMART objectives, roles/responsibilities, appropriate monitoring and any required resource), for approval by VCE by the end of May 2024, in alignment with the 2024/25 planning round.
- Undertake a brief scoping exercise to define which features of the anticipated project outcomes could genuinely be considered to be world-beating and potentially elevate the status of the UoC / Ambleside campus at national or international levels through established grading systems, with the scoping exercise to be completed by August 2024
- Through relationships held by the University, Institutes or Group Members, engage with key external stakeholders to potentially broaden the impact and visibility of the project and its intended outcomes by September 2024
- Establish an external advisory panel to draw together expertise, insight and partners to inform and challenge University thinking and practice by September 2024.

From June 2024, the definition of project objectives and activities will be captured within the approved three year rolling action plan. The Plan will, *inter alia*, define to what extent the initiatives taken on the Ambleside campus may be rolled out across all the other University campuses and, whilst seeking to maintain a consistent institutional approach wherever possible, may potentially require the definition of actions tailor-made to each campus where considered appropriate to do so.

The UoC reflection is underway, with important decisions expected during this year

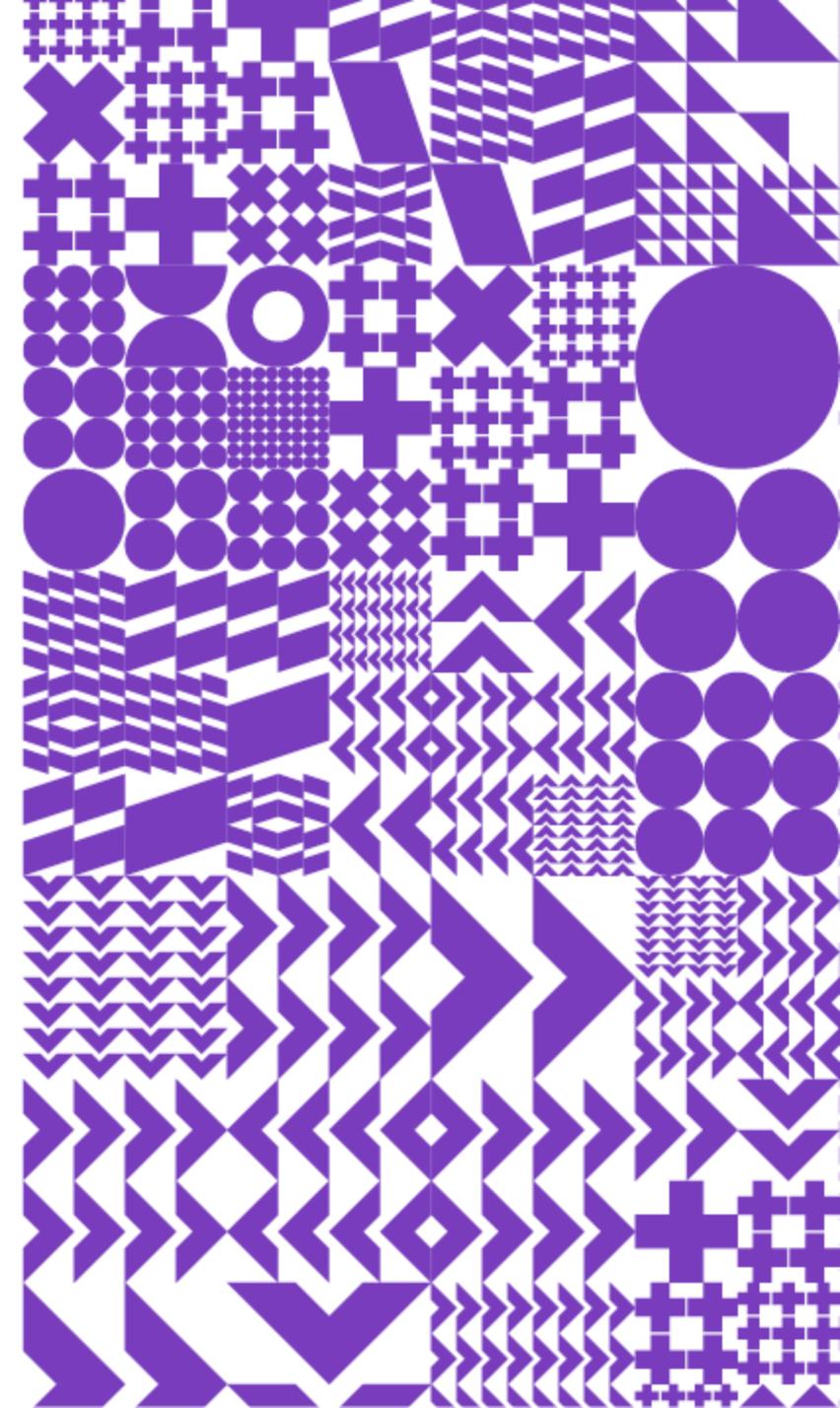
Time will tell what level of ambition is being sought by both staff and students, and how quickly concrete actions, both in terms of curricula and physical changes on each campus can be introduced.

These could include biodiversity Green flag initiatives, Green gown awards, capacity-building and training, EV charging points, analysis of catering supply chains, renewable energy installations, recycling waste, etc etc. Each campus will have its own, unique tailor-made actions.



Key steps to smashing the Sustainability ceiling in UoC

1. Seek consensus amongst staff, students, and the Board on a **Vision for Sustainability for the UoC**
2. Agree **achievable Sustainability Goals/targets** in a fixed timeframe, including 'quick wins'.
3. **Collaborate with SOS UK, HESI, EUAC** and enlist support from key Cumbrian individuals/organisations: ZCC, CaFS, IMPACT International etc, to accompany this journey.
4. Collect data (SOS UK uses 50 indicators) **to produce a benchmark Sustainability Audit for the University in year 1.**
5. Establish a verifiable **M & E programme** to inform progress. Adjust targets accordingly.
6. **Celebrate, and publicise Achievements.**



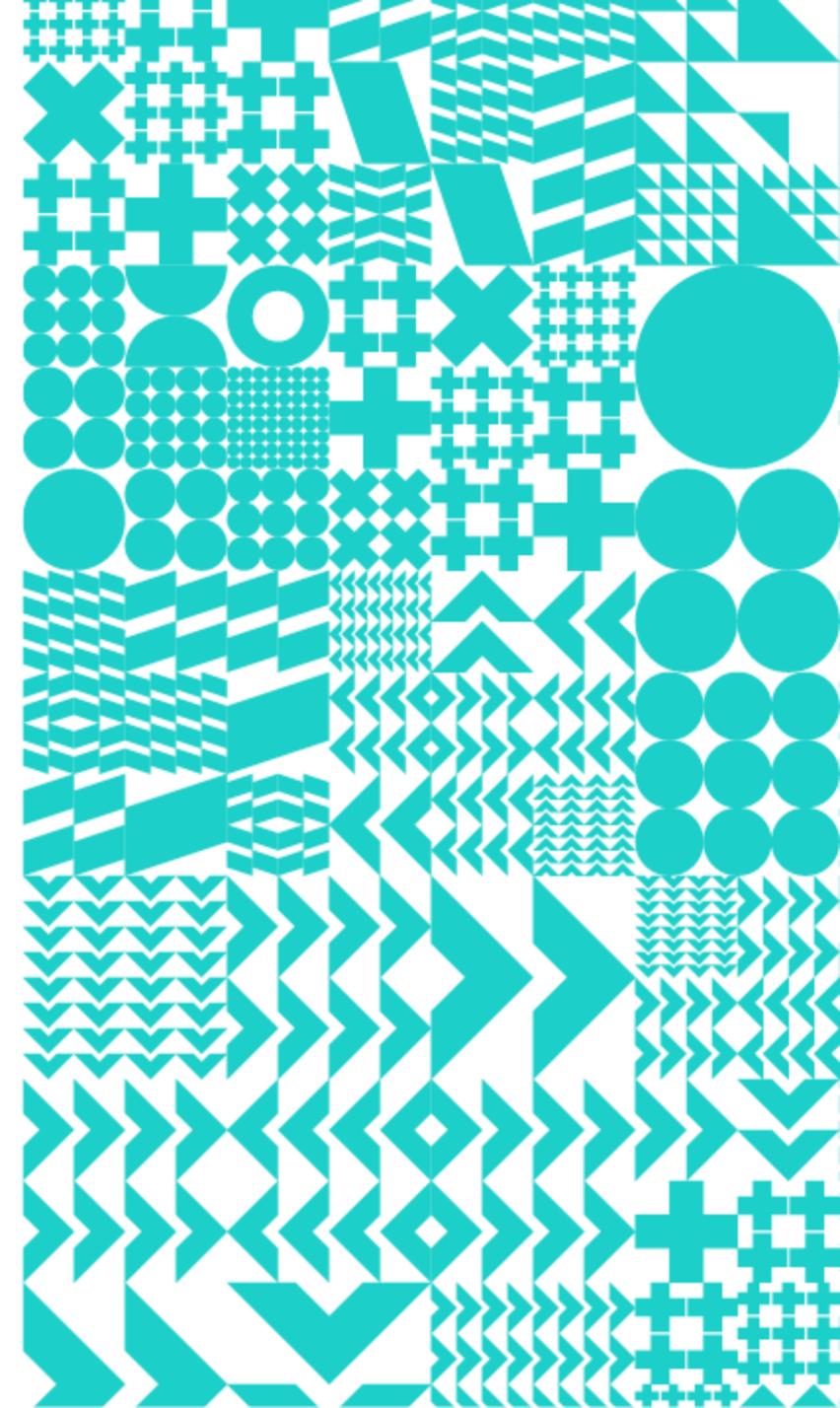
World Earth Day 2024 April 22nd

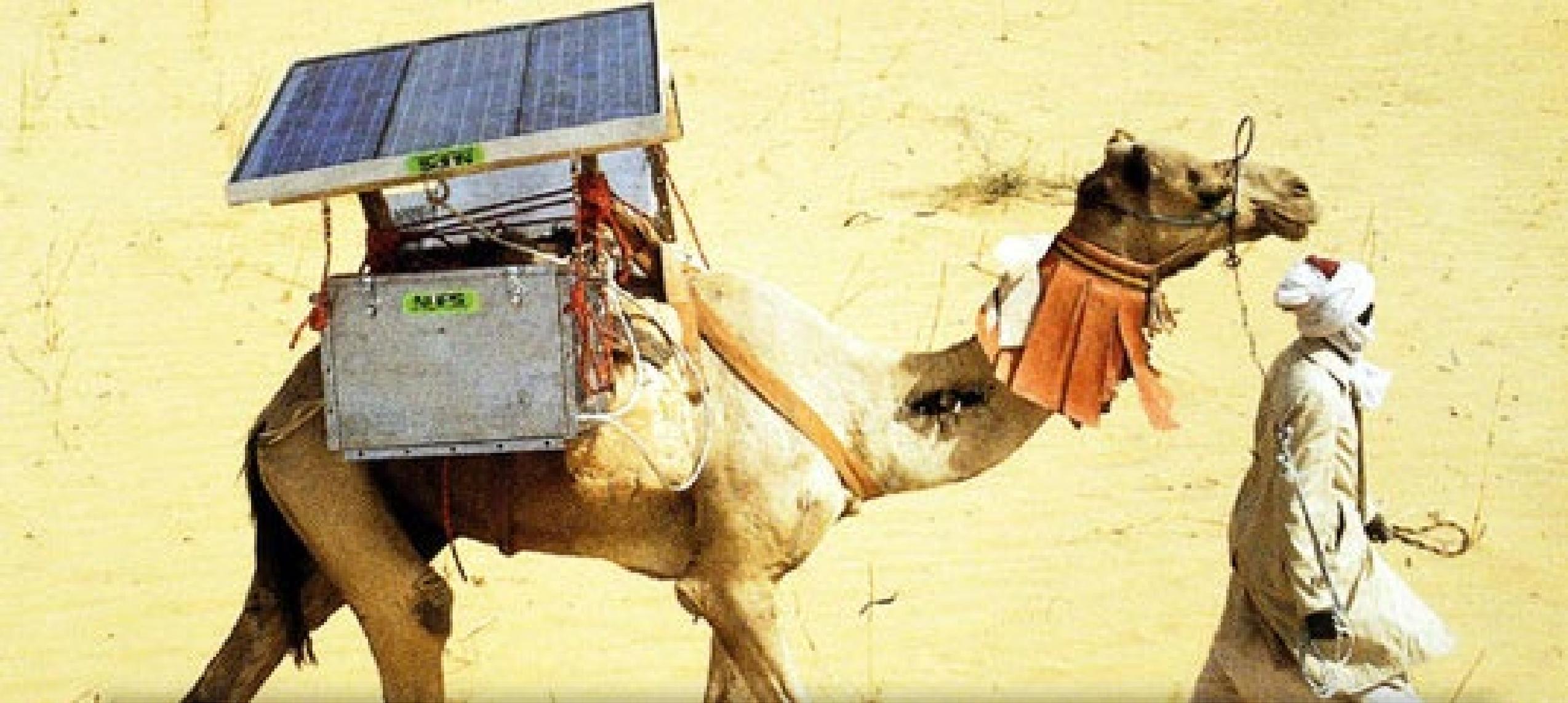
Is UoC going to do something ?



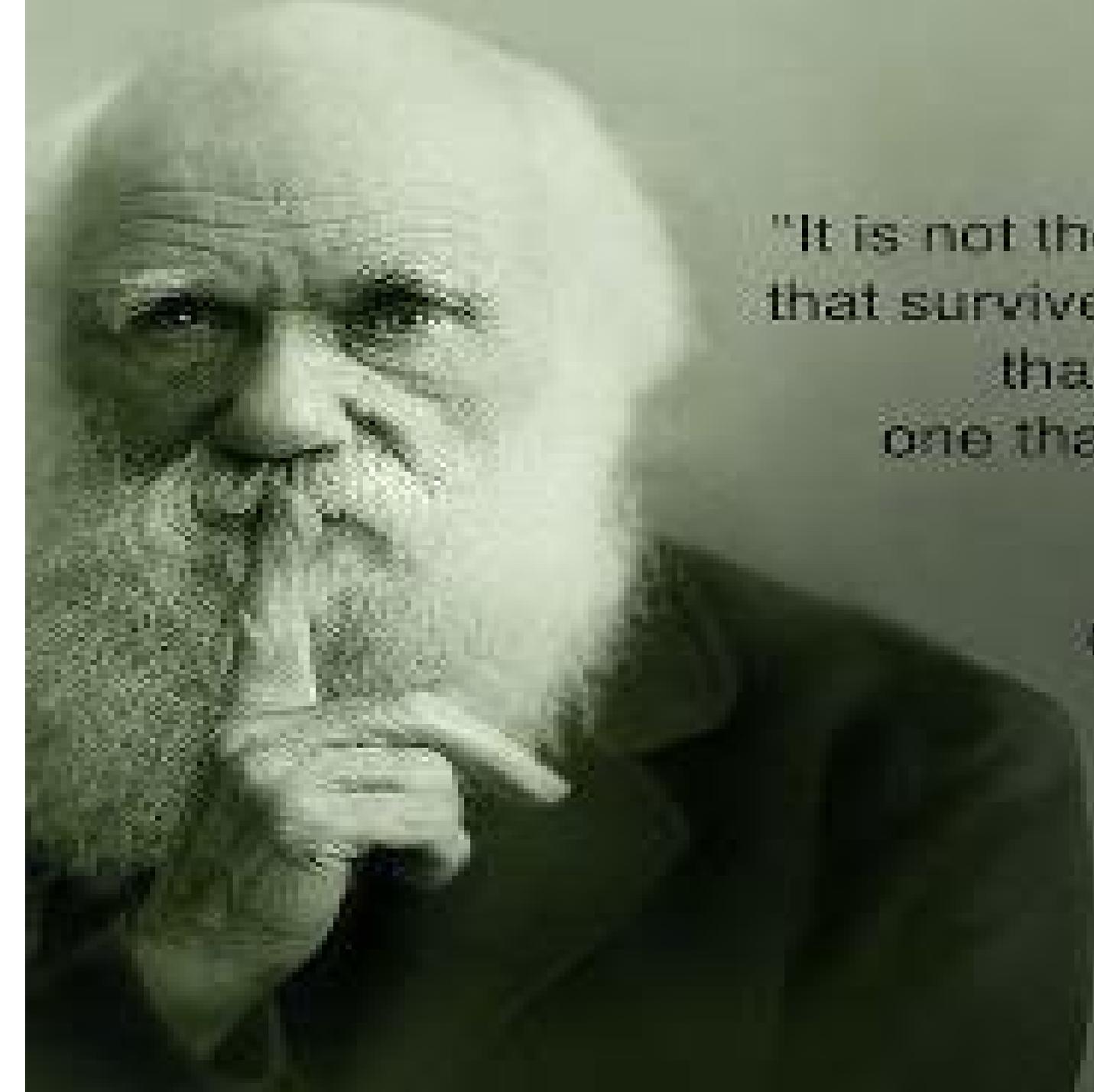
Conclusions

- The challenge of genuinely introducing a cross-the-board Sustainability reflex within UoC is significant. The effort to achieve this should not be underestimated. It needs everyone to pull together and aim high.
- In my experience, key factors are: the level of Leadership at all levels, collective Motivation, Engagement, Commitment, Passion and Energy. They will determine whether the initiative launched in 2024 will ultimately succeed.
- Breaking the 'normal' resistance to change is the biggest challenge. Every individual can – and should – be encouraged to make a difference.
- Mobilisation of Resources is an important, but is not a necessary, condition of success. **Willpower is!**





Don't be frightened to improvise and innovate



"It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is most adaptable to change".

Charles Darwin

I pass the floor to Amy who will dazzle you with concrete ideas on how to make the UoC campuses sustainable



