







EARTH SUMMIT - RIO DE JANEIRO

Call to ACTION for all local governments worldwide

By 1996 all governments to have Sustainable Development programmes in place

Sustainability is:

'development that meets the needs of the present without compromising the ability of future generations to meet their own needs.'

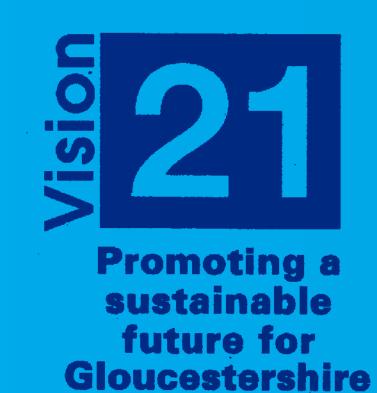


Local Agenda 21 groups set up all over the UK to enfranchise local people

Bringing Rio Home -

Conference at Shire Hall Gloucester – how to achieve sustainable development in Midlands & South West

Vital role of local government to change their own operations: as policy-makers as regulators as enablers



House of Commons has

no can recycling facilities



95% of WHO research spending is on diseases in industrialised countries



Vision 21 sets up 8 working groups

Government indirectly subsidies motorists by £1,000 annually



Gloucestershire's population is **531,400**



Gloucestershire uses
14,200 GWh/year of nonrenewable fossil fuels



Preparatory meeting launching Gloucestershire's Local Agenda 21 - 14th February







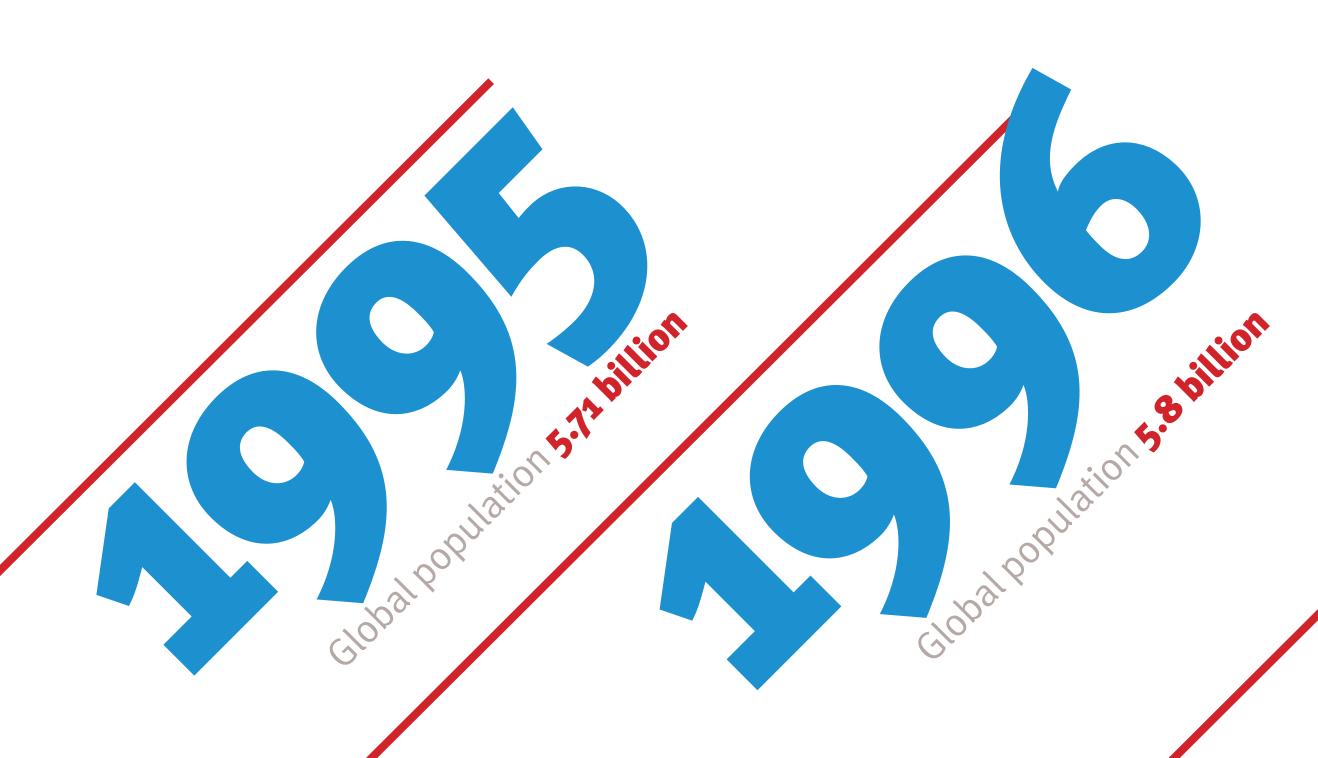
'Only when the last tree is cut, only then will you realise that you cannot eat money.'

Cree Indian proverb – (1st citation 1972)

'There are plenty of good and bad practices, but it may bring pleasure to hard-pressed local councillors and officers that Vision 21 is being touted around the country as the leading example of Local Agenda 21.

You have created a world-beater...'
Jonathon Porritt,
December 1995









HRH The Prince of Wales

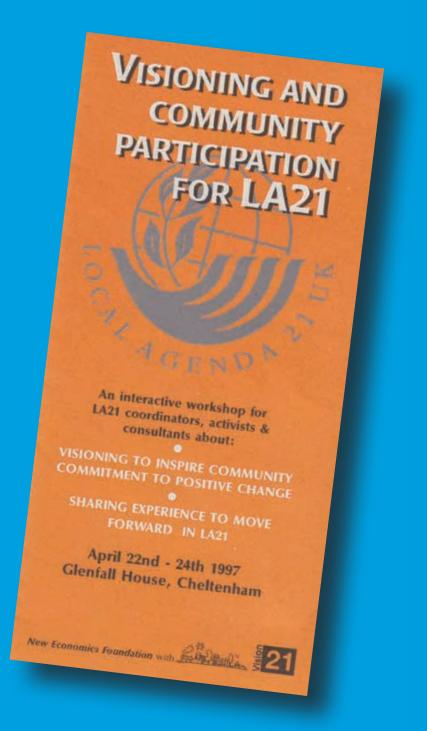
praises Vision 21 **A Vision for Gloucestershire**

200 people took time machine to 2020



Life survey





Vision 21 contact list reaches 900 Vision 21 runs

Stroud Community Planning Conference

County's Structural Plan 23,000 new homes by 2011

Vision 21 Massive Art Competition



Schools Footprint Project

Top 10 concerns of Gloucestershire residents in 1996 **Transport Loss of community**

Increasing crime Jobs & local economy Education Local environment **Urban spread Poverty**

Public services housing

Sustainability Workshop for Tewkesbury Borough Council

3-day workshop with environmental educationalists in Vienna. Participants from Eastern Europe

The Value of Wetlands Ebley Mill Stroud

Vision 21 invited to audience with MPs and ministers

Vision 21 invited to **UN Earth Summit II**

Vision 21 website launched 20 enquiries per day from outside Gloucestershire for Vision 21 information

Growing Gloucestershire's Economy A Sustainable Futures seminar

Transport Conference

David Drew, MP for Stroud, tells Commons of Vision 21 progress



Conference with Jonathon Porritt: 'Sustainability the new business agenda'

Gloucestershire traffic volumes down 3% = 10,000 fewer journeys per day. School run accounts for 20% of rush hour traffic

Carlessness campaign celebrates 3rd year

Saturday 5th December Vision 21 EGM elects directors at Pittville Pump Room: 160 attend

Future of Transport in Cheltenham



'We do not have a freehold on the Earth, only a full repairing lease' Margaret Thatcher, 1998

Sustainable Gloucestershire the Vision 21 handbook for creating a brighter future.

'Any approach to today's problems of environment and development which does not have a strong

> element of community participation is virtually certain to fail. There are a number of organisations which do try to alter the balance of decisions ... towards

those who live and work in the local community. One example is the Vision 21 initiative in Gloucestershire...' HRH the Prince of

Wales, March 1995

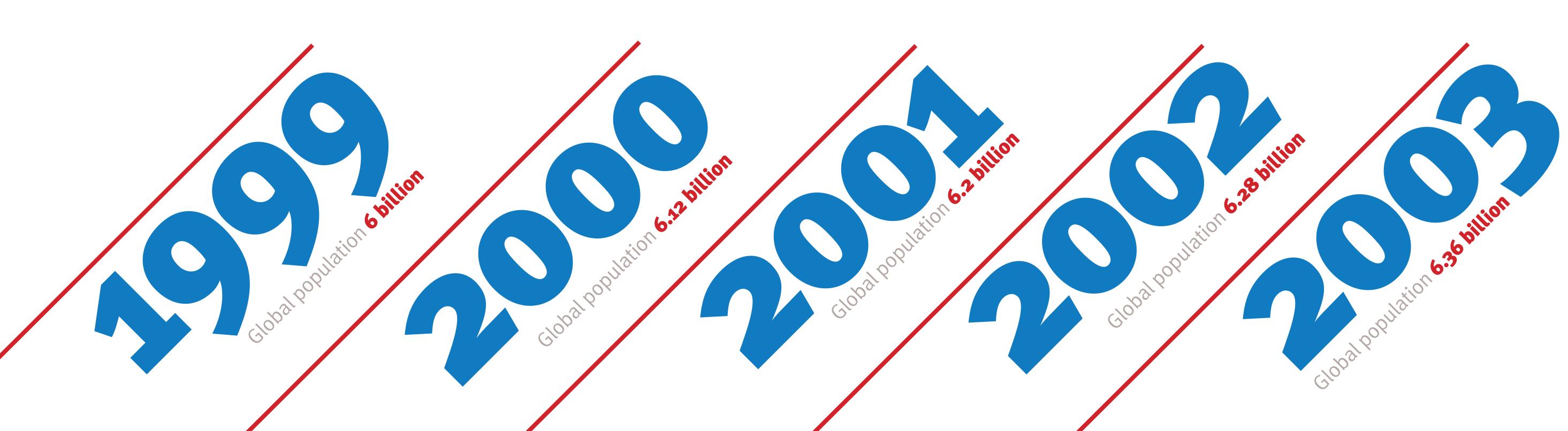
Produced by Vision 21 as part of Gloucestershire's Local Agenda 21

'This agenda is published by Vision 21 as a summary of findings of relevance to local government. It urges all levels and branches of local government in Gloucestershire, from parish to county, to turn this community-based agenda

> for change into practical action to bring about sustainability at the local, national and international level. Our future depends on it.' **Lindsey Colebourne** Co-ordinator, Vision 21, 1996







Car-Free day Cheltenham streets closed all day

Forest of Dean District Council (FoD) start developing their Agenda 21 strategy

Clean Energy Classroom visiting local schools to raise climate change awareness

1st AGM 4th September

Vision 21 plans move away from Shire Hall.

Active local groups: Cheltenham, Stroud, Gloucester, FoD, Bishops Cleeve, Bourton-on-the-Water, Churchdown

Vision 21

(Gloucestershire) Ltd incorporated 8th February

Computer recycling project grows

Gloucestershire **Rural Transport Partnership** and Integrated **Transport Group** set up

Grant to deliver **Basic Sustainable** Living skills for people on low

income

GCC Quality of Life Indicators survey

Forest Food Links expands

Sustainable Forestry & Timber Co-op gets into gear, based in Painswick

Vision 21 becomes 1st tenant of Cheltenham Centre for Change, **Portland Street**

Gloucestershire Round Table for Sustainable Development 1st meeting

Gloucestershire Biodiversity Action Plan (BAP) starts 23rd Nov registered as charity

Start of weekly 'How to ...' talks first one is 'How to grow your own fruit and vegetables'



Reclaim the 1st local reuse scheme is piloted

Resource and Information

officer appointed

over 3 years



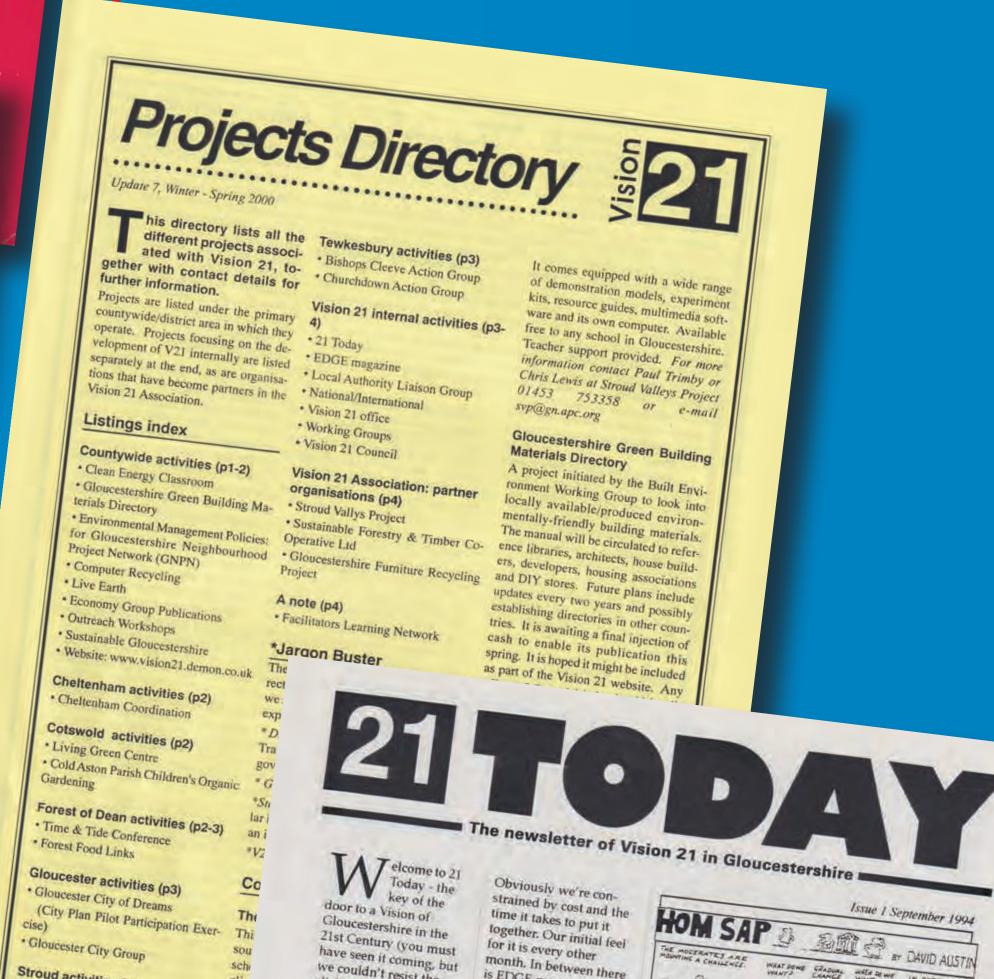
Meetings & forums helping make **Cheltenham more sustainable**

'Sustainable Life Skills' workshops

Resourceful Cheltenham 'Green

Directory Project' worth £460k





have seen it coming, but

we couldn't resist the

WANTED

Young

People!

for the 21st Century. Are

which stresses the need

for their active involve-

ment (chapter 25). But

he victim of a buzz saw

half of his music before

in 21 needs the ideas

under 21 in Vision 2

month. In between there

is EDGE magazine, which always included in update on Vision 21

Did you know?.

 The House of commons has no co

recycling facilities

on diseases in

the Soviet Union-that

helped to end the Cold

you're reading this,

here's your invita-

Vision 21 you can let it be

If you are a painter, we

on the editorial team)

If you are a thinker (a

the Vision 21 working groups that are writing a

If you are a do-er, you

group in your school, or

the Earth (and things that

Through Vision 21 you can

can save your parents

have the power to make a

That applies to all of us,

tenham (0242) 577893

Or write to her (Lindse)

difference in the world.

histonary) there's a place

for you on one or more of

17th October 1994

VISION 21

5.45-10.00pm Haripury College,

Haripury Presentations and

scussion on the work Vision 21 over the last six months

and priorities for the

next six ...

Meeting chaired by

Jonathon Porritt

Open to all, but

SPACES LIMITED

- Group roundup p.2

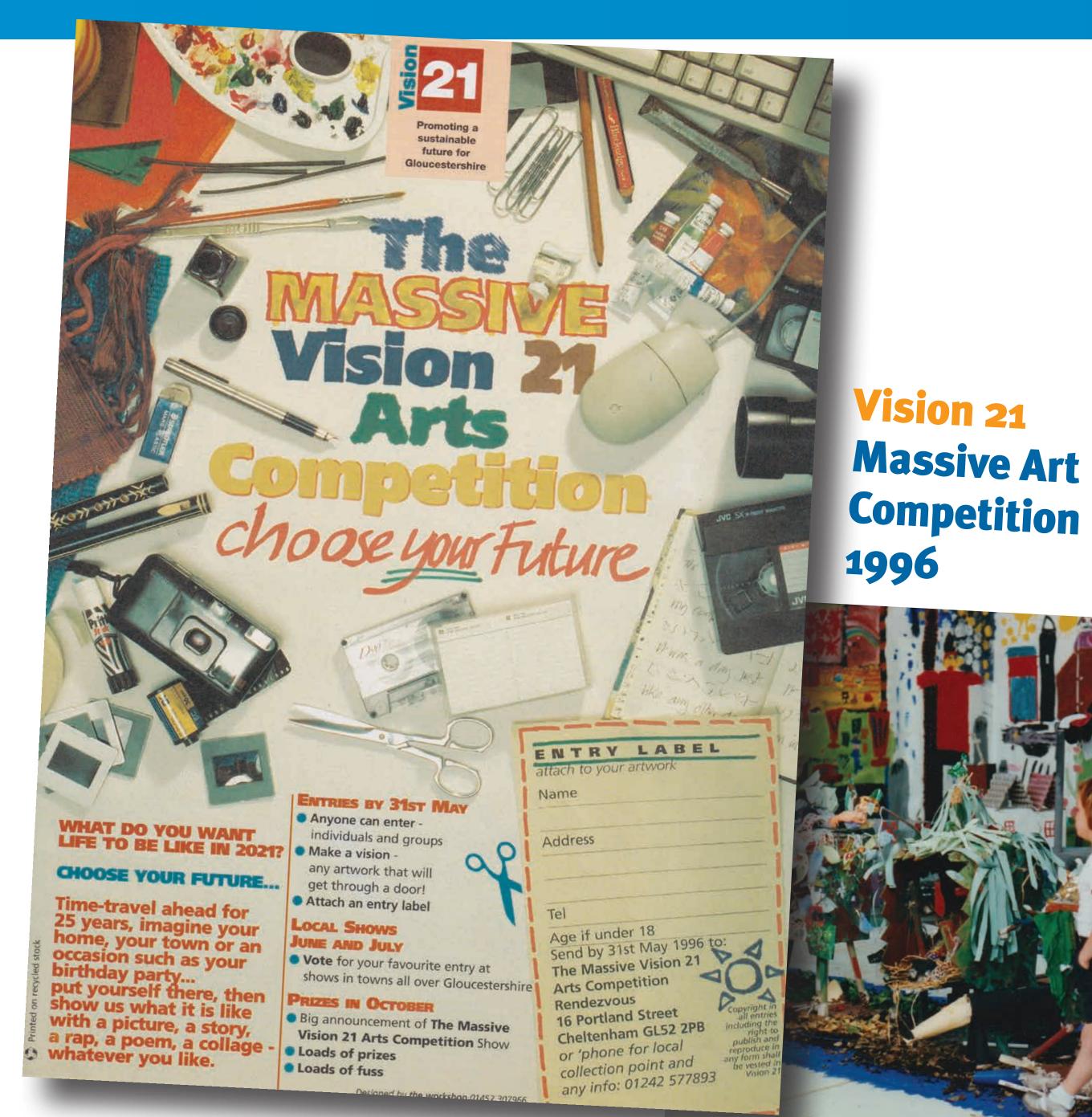
· What's on p.4 · Urgent needs p.4

· Who's who p.4 and lots of catchy

Book your place early









Vision 21 have actively stopped approximately 1 megatonne of waste from going to landfill.







Global population 6.6 billion



Adult Learners Week

Reclaim grows:
3 paid staff, 12 volunteers

World Environment
Day Art Project: Oceans
& Seas

12 schools participated

Reclaim warehouse opens in Windsor Street

Earth Care Manual

by Patrick Whitefield
'A book of solutions rather
than problems.'
'Yet there's no escaping
the fact that the Earth is in
a dire state, and getting
worse. In the 23 years
involved in ecological
movement almost every
aspect of planetary health
has got worse.'

Reclaim provides 500 people with furniture



Our 1st Reclaim van purchased (pre-owned) 3.5t Luton

Community
Repaint Scheme
starts at
Reclaim



Shop in Hesters Way opens

Reclaim sells 1,500 pieces of furniture



2nd Reclaim van added

17 volunteers giving 4,300 hours

A WRAP initiative targets businesses and trade parks

Community Recycling Champions starts

Recycling rates increase
10% after Vision 21 canvasses
9,000 homes for Cheltenham
Borough Council

Gloucestershire Floods - climate change on our doorstep
66 volunteers throughout the year

The Impact of Climate Change & Peak Oil on Cheltenham report



International Year of Deserts and Desertification







Since 2004 Reclaim has helped over 250 people to volunteer, many have then gone on to further training or paid employment.

Comic Relief in plastic row



Awesome Statistics

Since Reclaim started over 10,000 people have been able to furnish and decorate their homes to a good standard.









Centre for Change merges into Vision 21 (Gloucestershire) Ltd., 30 April

Reclaim relocates to Lansdown Industrial Est.

14,000 domestic batteries collected

9 tonnes of Yellow Pages collected and recycled

Community Recycling Championsgrows across county

Gloucestershire Green (Shopping) Guide

Vision 21 attends 14 different events throughout the county to promote sustainability



CBHomes Energy Efficiency talks for tenants

Every year since 2005 nearly 3M tonnes of soya products (beans, meal, oil) are imported into the UK, most for animal feed. It's estimated that since 1970 about 20% of the Amazon rainforest has been lost as a result.



The effects of climate change are increasingly apparent

Funding from local government and grants become ever more challenging

Vision 21 is active member and sponsor of Cheltenham Environment Forum

Climate Change Condensed training sessions

Vision 21 chairs a very successful Cheltenham Low Carbon Partnership to establish voluntary, business and public sector partnerships

Ongoing development opportunities for volunteers

Future Jobs Funding for two environmental business advisors

50% match funding secured to employ a Transition Town Officer

21 Today newsletter goes to 4,500 people every 6 weeks



Water 21 facilitating framework of water experts

Reclaim expands with more warehouse space

Vision 21 chairs UN RCE Severn Food Group

Transition Town activities continue to grow

Get Up and Grow project

Contributions to **local strategic documents**

Reclaim selling 5,000 items each year, mainly to people on low income

50+ volunteers throughout the year

There is almost no battery storage in UK or EU



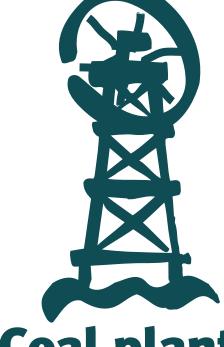
International Year of Planet Earth



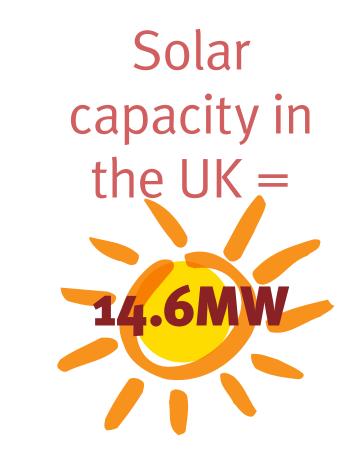


ignorance.

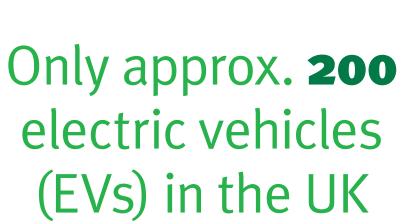
Confucius



Coal plants
generate almost
33% of the UK's
electricity
(3% in 2019)









Typical domestic rooftop solar array cost is



1%
of UK
electricity
comes
from wind







GIOUCESIEISHI.





Cheltenham Climate Champions



'Don't Bottle Out' a Cheltenham Mayor's initiative: refill and reduce the use of plastic bottles

Cheltenham Low Carbon Partnership creates Big Green Bundle business info website

Get Up and Grow More to encourage low-income families in Tewkesbury, Cirencester and Cheltenham

Grow Vision to reduce food miles

Electric bike use promoted

Transition Town becomes separate entity

Reclaim sells 6,000 items, redirecting 669 tonnes from landfill

Cheltenham's 1st Open Green Homes event: 10 homes demonstrating low-carbon living open to the public for one day with 500+ visitors

'If you think you are too small to make a difference, try sleeping with a mosquito'. His Holiness the 14th Dalai Lama

Vision 21 Think Globally **Act Locally**

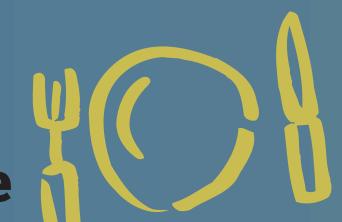
Reclaim engages with the unemployed and reserves places for 'hard-to-place' volunteers

Reclaim Cycles: a new initiative to salvage and repair old bicycles

Reclaim runner-up in **Heart of Gloucestershire Awards**

Road Show to improve recycling rates reaching 1,625 people across 14 events

'Rethink' GCC initiative for Vision 21 to train the trainers about food waste

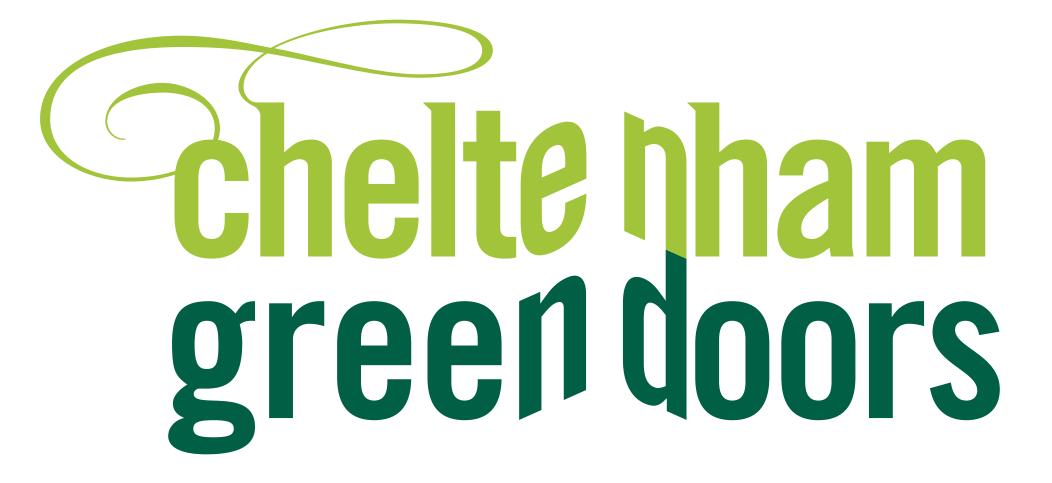


Cheltenham Green Doors Green Open Homes event runs for the 2nd year: 16 Green Homes open to the public over 2 days 500+ visitors

International Year of Forests



United Nations Decade on **Biodiversity** 2011 to 2020







Awesome Statistics

Vision 21's 'Every Can **Counts' initiative has** collected 440,000 cans (= 6,600Kg of aluminium).



School Run



a plastic bottle'









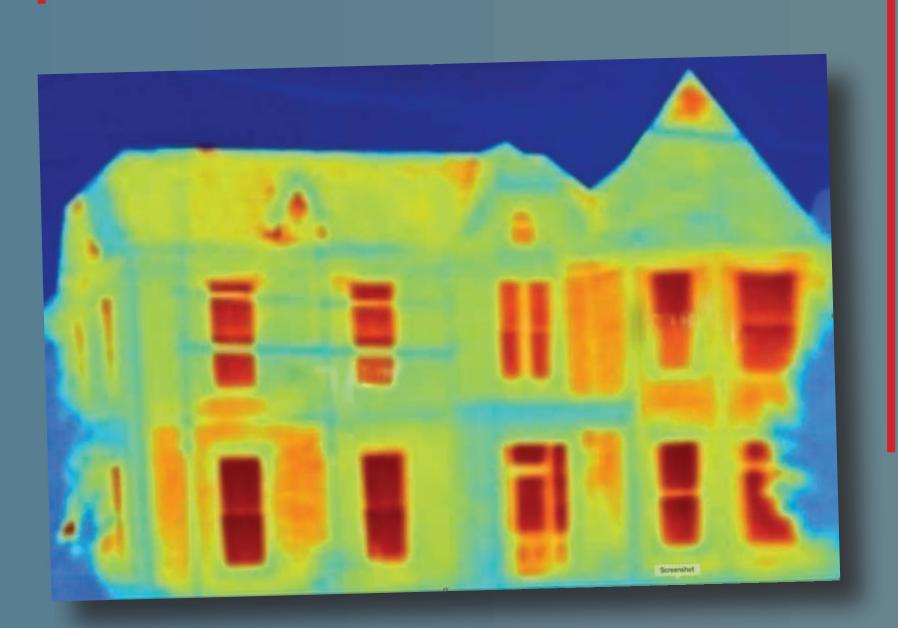
Promotion of **Green Garden Share**

Community Energy Advice

Repaint project sells 4,0001 of paint that otherwise would have gone to landfill (2-3)

Around 99% of energy storage capacity is provided by pumped hydro and only 20 to 50 MW is battery storage.

Cheltenham Green Doors 3rd year: 13 Green Homes, 500+ visitors over 2 days



Moved from 30 St Georges Rd to CCP 1st Stop in September

Get Up and Grow More

2-year funding ends; however, Tewkesbury allotments continue

'Cando' and Every Can Counts Also includes cable boxes placed in companies and other organisations



Cheltenham Green Doors 22 Green Homes, 560 visitors over 2 days

Reclaim continues to help 'hard-to-place' volunteers working with SEETEC, Jobcentre **Plus & Community Payback**

Priors Park (Tewkesbury) Edible Garden & Community Allotments forms out of **Get Up and Grow More**

Eat More Veg project concludes successfully after 2 years

Lansdown Community Composting Club comes under Vision 21 umbrella

Transition Town Cheltenham (TTC) rejoins Vision 24

Thermal Imaging - a TTC project incorporated into Vision 21

Annecy Gardens (Sandford Park) community vegetable garden launched

Reclaim

1,800 families helped

Low Carbon Partnership wound-up



Awesome **Statistics**

Between 2011 and 2015 Vision 21 ran the Green **Open Homes & Gardens** weekends: 80 properties attracted 2,672 visitors.

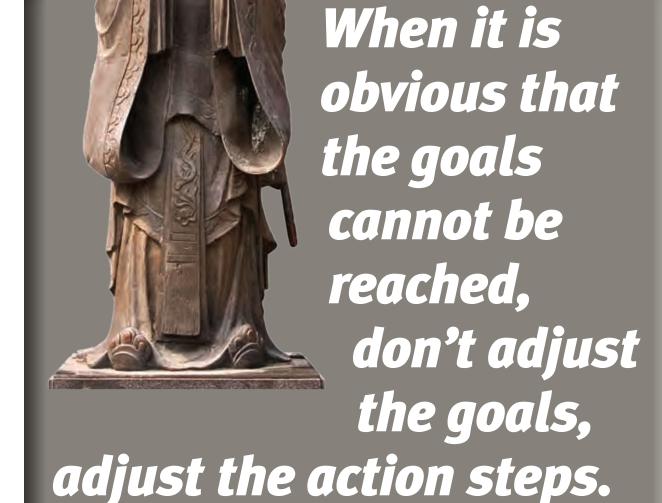








COP 21 in Paris, on 12 December 2015 'The Paris Agreement central aim is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5° Celsius.'



Confucius



Awesome **Statistics**

The Vision 21 community composting site, opened in 2013, has converted some 10 tonnes of garden waste into valuable compost.









Increased use of social media



1250 followers



300+ likes

Cheltenham Repair Café
launches as a venture between
Vision 21, St Andrew's Church,
UniGlos and Gloucestershire's
joint waste team



11 sessions a year at St Andrew's Church - using volunteer repairers

Green investment in community-owned wind farm in South Wales (22)



'Shed night' piloted

Warmer Cheltenham information portal receives £10k grant from Heritage Lottery Fund

1st team-building trip for volunteers to France and Belgium

Barack Obama has warned that climate change could create a refugee crisis that is 'unprecedented in human history.

No nation, whether it's large or small, rich or poor, will be immune from the impacts of climate change." May 2017

Expansion to 24 beds at Tewkesbury Edible Garden and Allotments Project completed



Healthy Hobbies £10k grant from National Lottery Awards for All to build community cohesion with Pilates, sew and up-cycle/recycle textiles and cooking classes for low income households

Repair Café grows as word of mouth brings in new customers and volunteer repairers

Vision 21 supports and takes part in Cheltenham's MidSummer Fiesta

Green investment in South Wales solar farm





Energy efficiency measures installed in UK housing, such as loft & cavity wall insulation, boiler upgrades, new doors & windows:

2014 780,000

2015 446,0002016 368,000

2017 202,000

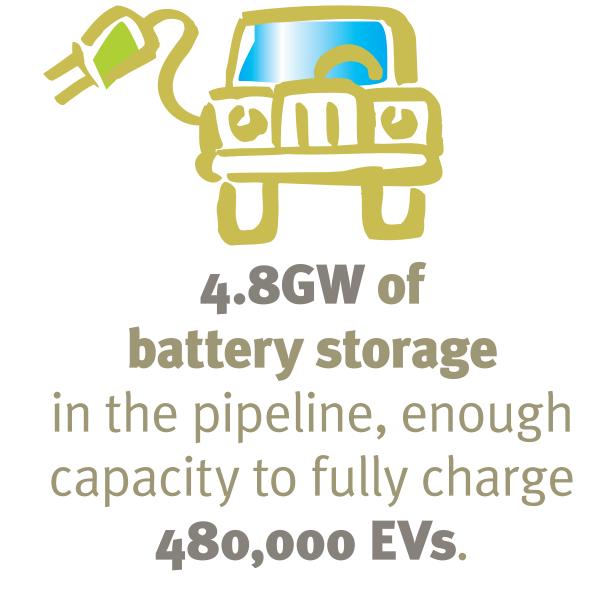
2018 120,000 *Estimate*

2019 100,000

At this rate it would take **96 years** for the government
to reach its own targets to
reduce fuel poverty even
though it is the cheapest
way to cut carbon emissions,
according to the charity
National Energy Action 2019.











Vision 21 Objectives:

- To provide local, voluntary opportunities for people to engage in community-based environmental activities
- To educate and encourage the public, businesses and local authorities to become more sustainable

In order to maximise our impact, our projects are restricted to the Gloucestershire county boundary and we concentrate our energies and efforts on achieving the following UN Sustainable Development Goals:

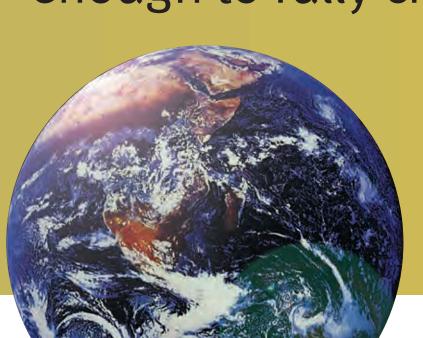
- **Climate Action**
- **Sustainable Communities**
- **Responsible Consumption**
- **Clean Energy**
- Education

Global carbon emissions a record 37.1bn tonnes.



Battery storage is now supplying electricity from renewable sources to the UK National Grid Balancing Mechanism.

8GW of battery storage ready to be deployed, enough to fully charge 480,000 EVs.



Global temperatures

have continued to rise and we are already 1°C above pre-

industrial level.

Statistics Since 2016 V21's Repair Café has dealt with over 900 tems. Some 745 were repaired, a 79% success rate.

Awesome



Cities have doubled in size since **1992**

In the UK, we buy more clothes per person than any other country in Europe – five times what we bought in the 1980s, creating 1.3m tonnes of waste each year. Some 350,000 tonnes of this waste is dumped in landfill or incinerated.

Working with other agencies to tackle period poverty in Cheltenham like UNSTOPPABLE provides FREE sanitary products - additional reason for taking part is to ensure an element of environmental sustainability is introduced.

When the Fit (Feed-in-Tariff) ended in March, the UK had 13,217 MW of solar capacity across 1,000,473 installations.

19% of UK electricity now comes from wind, mainly off-shore.

National Grid is spending around £1.3bn a year to adapt the grid to run on renewable energy, to manage a completely zero-carbon electricity grid by 2025.

There are currently over 210,000 EVs on UK roads, however most of them are plug-in hybrids.

Number of EV charging sites in the UK outnumbers petrol stations.

Zero-carbon energy sources are poised to overtake fossil fuels as the UK's largest electricity source over a full calendar year.



celebrates

Predicted: Vehicle-to-grid technology (V2G) could solve 10-15% of the UK's demand for **storage**.

David Attenborough does Glastonbury. Greenest one yet, as **no plastice bottles sold** (compared to 1 million in previous year).

Impacts of fast fashion: 26.7kg UK consumption of new clothing per head (highest in Europe) 235m items of clothing sent to landfill (in 2014) Enviro Audit Committee Submissions



We have a maximum of 12 years to act from 2019 - otherwise we risk unfettered temperature rises around the globe



Less rainfall could reduce agriculture yields by up to 50% in some parts of the world. (IPCC)

Battery storage is planned to expand from **o.7GW** in 2019 to **3GW** in 2020

World leaders come together to protect 30% our oceans with a Global Oceans Treaty for 2030

UK Treasury proposes to raise VAT from **5%** to **20%** on **home solar-battery systems**, while the tax on coal will stay at **5%**Juliet Davenport, Good Energy's chief executive, said the rise was 'possibly the worst way to respond to a climate emergency.'

UK Gov to spend £2bn to encourage people to walk, cycle and use public transport more

Average UK weekly household spend on transport: car £55, public transport £28



Rudolf Steiner, predicted in 1923 that if humanity continued to cultivate the honeybees by artificial means, we would witness the mass disappearance of the bees within 80 years. Steiner warned against both meddling with the natural process of hive society and artificially manipulating of queen bees. Rudolf Steiner 1861-1925

Aviation is to cap net aviation CO2 emissions from 2020 (carbon-neutral growth). A reduction in net aviation CO2 emissions of 50% by 2050, (relative to 2005 levels) is proposed



In terms of environmental degradation, the textile industry creates 1.2bn tonnes of CO2 a year, more than international aviation & shipping combined. It consumes lake-sized volumes of water and creates chemical and plastic pollution – as much as 35% of microplastics found in the ocean come from synthetic clothing.

We need a whole new way of thinking:

In the global north the immediate differences may not be very striking. But we need to rapidly remove all fossil fuels from our everyday life and leave them in the ground. This is what most politicians do not seem to understand. Lowering emissions is not enough. In the global south, however, people already are very much affected. There is an ongoing catastrophe in many parts of the world. And this is already affecting hundreds of millions. There will of course be lots of benefits to changing to a green economy. But we must remember that this is above all an emergency—not primarily an opportunity to create new green economic growth.

Greta Thunberg 2019

Gloucestershire local plans to have new enforceable policies for zero carbon developments and sites for solar and wind.

Low carbon retrofit plan for heritage buildings, all housing and businesses



Awesome Statistics

In the 25 years since we opened our doors, an estimated 25,000 people have been helped by V21 and its projects.





Ecological footprint comparison in hectares: Average size
UK dog 0.84
Citizen of
Vietnam 0.76
Citizen of
Ethiopia 0.67.
The New Scientist 2009

UK's National Grid should now be zero carbon.

(Predicted - 2019)

The UK's last coal-fired power station should have closed by now

THERE IS A

O O

CHANCE THAT
GLOBAL
WARMING
WILL EXCEED

BY THE END OF THIS CENTURY.

Warming temperatures will cause temperate glaciers on equatorial mountains in Africa to disappear.

Up to 18% of the world's coral reefs are likely to be lost as a result of climate change and other environmental stresses. In Asian coastal waters, the coral loss could reach 30% (IPCC).

All but one of the UK's existing nuclear plants should now have been decommissioned. Only one new nuclear plant – Hinkley Point C in Somerset – is currently being built.

Some 1GW of onshore windfarms could be retired.

These need to be repowered with new turbines or their output replaced.

15GW of gas-fired power stations built before 2000 likely to have been retired.

To meet the UK's climate goals, gas generation has to decline from 40% of the mix in 2019 down to 25%.

33% (at least) of UK electricity has to come from off-shore wind to meet UK government targets.

In 2016 at UN Heads of Governments agreed to achieve sustainabyle development goals by 2030: 'We reaffirm our unwavering commitment to achieving all 17 Sustainable Development Goals and all 169 targets.'
This agenda is a PLAN OF ACTION for people, planet and prosperity.

EU target for renewable energy 32% (previous target 27%). Actual was 17% in 2016.

1 in 15 homes in Gloucestershire to have solar PV panels

Fuel poverty
eradicated from
all homes below an
EPC D rating

All new homes meeting zero carbon & smart energy standards

'Much of the impact of climate change will be felt through changing patterns of water availability, with shrinking glaciers and changing patterns of precipitation increasing the likelihood of drought and flood. If climate change is the shark, then water is its teeth and it is an issue on which businesses need far greater levels of awareness and understanding.'

CDP Water Disclosure Project, CEO, Paul Dickinson 2009

Climate change has the potential to tip out of balance the relatively stable climate in which civilization has been built and jeopardise the security of water, food and energy systems.





TUNNEL OF CLIMATE CHANGE

PERCIVL



Projected: Most 'meat' will not come from slaughtered animals. 35% will be 'meat' replacements grown in vats & 25% plant-based vegan products.

By now Ocean acidification is likely to have killed off most coral reefs.

Use of coal as an electricity source should now be ZERO.

Renewable energy should now account for 70% of electricity generation (20% in 2020).

Projected: 36m EV's in UK-about 90% of total vehicles.

By three methods we may learn wisdom: first, by reflection, which is noblest; second, by imitation, which is easiest; and third by experience, which is the bitterest.

Confucius

As biodiversity hotspots are more threatened, a quarter of the world's plant and vertebrate animal species could face extinction.

UK should have 75GW electricity from off-shore wind.

Earth's enormous masses of ice are melting fast. By 2050, over 800 million people are at risk from the impacts of rising seas and storm surges.

MORE JOENTS DEVISION COMMITY OF POLICE TO FOSTER LOCAL STATE OF THE POSTER LOCAL STATE OF THE PO

currently responsible
for about 9% of the
UK's greenhouse gas
emissions, mostly from
methane. The National
Farmers' Union (NFU),
which represents
55,000 UK farmers,
has set a target of net-

zero emissions in UK

farming by 2040.

Agriculture is

This will look great in landfill'

Those who have the privilege to know have a duty to act.

Albert Einstein

