2021

The Carbon Literacy Project



IMPACT REPORT

Carbon Literacy Project















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Founding Sponsor

Jestford Mill



Introduction



"The Carbon Literacy Project is a low carbon culture change project, working with everyone where they live, work and study. It is founded on a day-long experience, that leaves participants informed, empowered, inspired and taking their own actions to help resolve the climate emergency.

2021 has seen unprecedented growth in levels of Carbon Literacy both nationally and internationally.

As a result of the creative and coordinating work by our team of staff and volunteers since the start of The Carbon Literacy Project in 2012, hundreds of trainers, working in thousands of organisations, has led to tens of thousands of participants becoming Carbon Literate, taking immediate and direct action to reduce carbon emissions where they are, and acting to transform our culture.

In these pages we lay out a few of the key facts and figures about The Carbon Literacy Project, and a little about the impacts that it has already had. We hope you find it an inspiring read."



Dave ColemanCo-Founder & Managing Director

2021 Timeline



Nottingham Trent University Toolkit Launched



February

Carbon Literacy Pioneers Network Virtual Event held



March

Yorkshire and Humber Climate Commission launch initiative to advise on and support regional climate action



Carbon Literacy
Action Day
announced





Two new public sector newsletters launched: Local Authorities and Universities & Colleges

June

Arts Council England award CL and Museum Development North West a grant to support the development of a Museums Toolkit

July

20,000 learners certified!



August

University of
Queensland becomes
the first Australian
Carbon Literate
Organisation



Social Housing Toolkit launched



October

NHS and Ambulance Service Generic Staff Healthcare Toolkit becomes publicly available



November

Attended COP26 with observer status and held six online Sector Focus Days



December

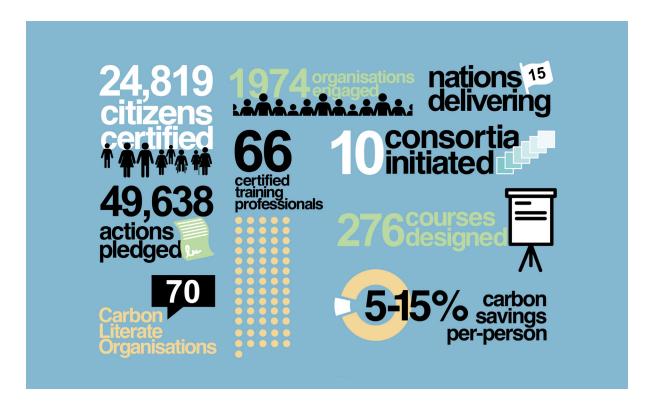
24,000 learners certified!



2021 in Figures

Cumulative Numbers

This infographic displays key statistics tracked since The Carbon Literacy Project began in October 2012. These are the total cumulative figures as they stood at the end of 2021.



Project Growth

The growth of The Carbon Literacy Project throughout 2021 massively exceeded that of the years prior, across all the key statistics tracked.

Citizens certified

8,726 ~ 54%



The number of individuals that have successfully completed Carbon Literacy learning.

Actions Pledged

17,452 ~ 54%

The number of (individual and group) actions pledged by learners as a result of their Carbon Literacy training.

Carbon Saved

31,437t ~ 54%

The estimated carbon saving as a result of the actions pledged by Carbon Literacy learners.

Certified Training Professionals

The number of certified Carbon Literacy Facilitators, Trainers and Consultants.

Courses Designed



The number of accredited Carbon Literacy courses.

Carbon Literate Organisations

28



√ 66%

The number of organisations that have gained Carbon Literate Organisation accreditation.

Nations Delivering



√ 25%

Nations where an accredited Carbon Literacy training programme has been developed and delivered.

Pledgends

What is a Pledgend?



A 'pledgend' is a learner who has displayed exceptional commitment to reducing their carbon footprint within their work, place of education or community. These actions are particularly significant and impactful in comparison to what the Certification Team usually expect from those undertaking Carbon Literacy training.

Pledgends go above and beyond to drive down emissions and create low-carbon culture change in the context of their training – in short, they're legendary!

The following are some #pledgends from different sectors who stood out throughout 2021.

The Arts

"Working with the rest of the Costume Department to create a guidebook for Costume Technicians, Supervisors and Designers to provide advice to make their practices more sustainable. This guide will highlight sustainable suppliers, manufacturing processes, methodology and ideology. It will engrain sustainability into our practice in the Costume Department from the beginning of each production."

Community

"My group action will be with our neighbours and a planned chicken coop on our property. The primary benefit would be to provide fresh eggs to 4 households which is the epitome of a local diet. We will realize indirect carbon savings from reduced packaging and transportation of the eggs but also direct savings by leveraging the chickens as biorecyclers. Our community does not currently offer food waste recycling or collection service; having the chickens aid in our food waste diversion from landfill and thereby realize previously forgone carbon savings."

Universities and Colleges

"As a group we are going to look at and start pushing for the teaching to focus on designing architecture that is as sustainable as possible, for example we are going to look at the installation of an algae wall on the exterior of our uni building. This will be an innovative way to reduce the carbon created by the busy road outside the uni, the microalgae feeds on daylight and air, capturing carbon dioxide molecules and storing them within the bio plastic wall, while producing oxygen and releasing it back into the surrounding air."

Automotive

"I believe there is a really good opportunity for our business to look at various forms of renewable energy, which we could encompass as part of our future plans. There will be scope to perhaps look at placing a number of Wind turbines in various key points, within our premises as well as looking at the possible opportunity of having solar panels placed on our office and workshop areas. This would significantly reduce our reliance on the national grid network. My role within this potential change would be to ensure that these projects are included in our plans for building and yard developments, whilst communicating the benefits to the wider business."

- Duncan Macrae, Copart

Housing

"When vetting new suppliers as part of our Procurement teams 'onboarding' process, my team and I will be more selective in terms of ensuring that only suppliers who agreed to Avison Young's Sustainability Policy and who have commitments to achieve net zero are considered for future works. This coupled with the fact that Avison Young's supply chain consists of c.1000 companies will make a compounded positive difference to the environment."

- Avison Young

Healthcare

- "1. Avoid uses gases like Desflurane unless clinically indicated and use gases like Sevoflurane which has a significantly lower environmental impact.
- 2. Practice low flow anaesthesia when using anaesthetic gases.
- 3. Use total intravenous anaesthesia to minimise the environmental impact further.
- 4. Think before opening a new single use equipment or material."
- Leeds Teaching Hospital Trust

Local Authorities

"Tenants have the right to change supplier as soon as they move in to their new home. I will update the Home User Guide to provide more information to tenants about the benefits of choosing a renewable energy provider."

- Barnsley Metropolitan Borough Council

Food

"Since the training, I have put the processes in place to capture all of those food samples that would have been wasted, and relocated to a local charity 5 miles away from the manufacturing plant. This is now part of the site process."

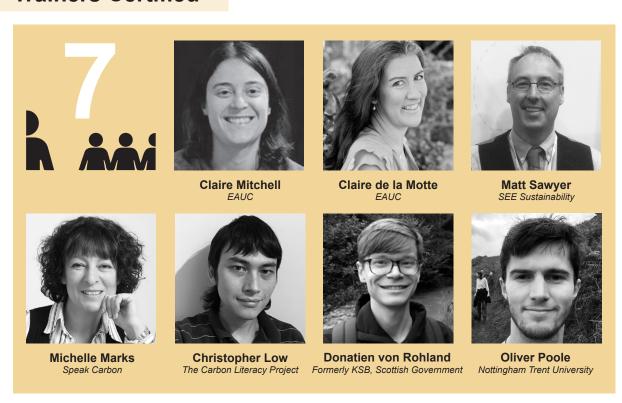
- Quorn

Training Professionals

The Carbon Literacy Trainer accreditation scheme showcases an individual as:

- 1. Carbon Literate
- 2. Very familiar with the Carbon Literacy Standard
- 3. Experienced at a specific level of Carbon Literacy course administration, design and delivery

Trainers Certified



Facilitators Certified



Trainer Testimonials

Michelle Marks



"I've been training in environmental sustainability for several years now and I really like the structure that the Carbon Literacy course provides, while also allowing for flexibility. Delivering Carbon Literacy training gives me a feeling of hope because it creates awareness and real action as a result. Some of the pledges that people come up with at the end of the course absolutely blow me away."

Donatien von Rohland

"Becoming an accredited CL Trainer has allowed me to reflect on my experience delivering Carbon Literacy training during the pandemic. Our Community Leaders Programme was one of the first courses to be accredited for online delivery. Testing out technology and adjusting delivery methods as we went along not only allowed a faster roll out of the training but also paved the way for other trainers. We created a safe and supportive space for individuals all over Scotland to come together and learn about the climate emergency. We welcomed participants to be open about personal challenges with us and supported them on their learning journey. Learners reported feeling less isolated during this very difficult time thanks to the peer learning opportunities offered as part of the training, empowering them to take local action."

"Becoming an accredited CL Trainer has enabled me to feel more confident as a trainer as well as to be perceived as more accomplished by peers and employers. I have recently delivered Carbon Literacy for the Civil Service, which has generated a lot of enthusiasm and passion for the subject amongst my colleagues at the Scottish Government."

Roxane Valier-Brasier

"As a trainer at the University of Queensland, I see how transformative the is on people. It's fantastic to observe that it only takes a day of learning for people to start their carbon reduction journey and work together on projects that imagine new ways of living more sustainably. People are capable of solidarity, collaboration, and collective intelligence when they are given the opportunity. The Carbon Literacy is a core element of the revolution of learning and action we need to respond to the challenges ahead of us and I am grateful to be part of this movement."

Carbon Literate Organisations

The Carbon Literate Organisation (CLO) accreditation is the visible 'badge' that showcases an organisation as:

- 1. Committed to Carbon Literacy
- 2. Having a substantial number of people who are Carbon Literate
- Having a commitment to support its Carbon Literate people and maintain its low-carbon culture

Organisations use this status to better interact with their communities – be it staff, customers, neighbours, learners, suppliers or stakeholders.

There are four levels of accreditation – Bronze, Silver, Gold and Platinum – reflecting increasing levels of Carbon Literacy commitment and achievement within an organisation.

Organisations Certified

Bronze















































Silver









Anthesis keeps track of the pledges it supports and the initiatives from the training so that it can continually improve. It also encourages individuals to share the progress they've made. Anthesis plans to integrate this alongside its current reporting metrics.

Gold





Salford CCG asks its workforce about their commitment to the carbon agenda as a part of its Silver CLO initiatives. This takes place during each member's annual development conversation.

Platinum







Great Places provided many materials and activities used in the CL4RPs course, jointly developed between housing associations in the CL4RPs consortium.

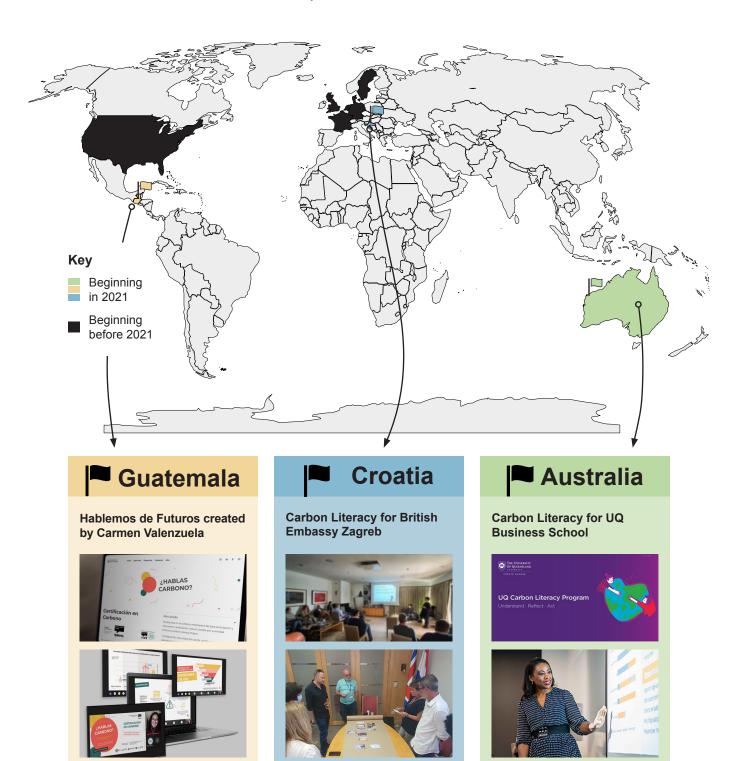


Joining the 41 organisations that were already Carbon

Literate before 2021

International Growth

The global spread of Carbon Literacy expanded even further in 2021. Training courses were developed and began to be delivered in three new nations, adding to the 12 already delivering Carbon Literacy prior to this year. All these nations are indicated on the map.









Sectoral Impact



"As of 2021, there are six Toolkits which organisations can use within various sectors – Healthcare, Social Housing, Local Authorities, Universities & Colleges and Automotive, to train learners using freely available, pre-accredited courses. The creation and dissemination of these Toolkits has been hugely catalytic, in the surge of certifications within these sectors. There has been a great deal of collaboration, with organisations sharing advice and offering open training places to help those early on in their CL journey. By creating standardised training resources that organisations can contribute to and use, Carbon Literacy has become the gold standard for climate education training within these sectors and beyond."



Natalia Phipps Head of Sectoral Development

Healthcare



Toolkit Highlights

The Carbon Literacy for Healthcare Toolkit launched in October 2021, as part of the Public Sector Toolkits project funded by the Department for Business, Energy and Industrial Strategy (BEIS) via The Greater Manchester Combined Authority (GMCA).

The Healthcare Toolkit included both the Ambulance course and Generic Staff course. The latter pathway took a generic framework approach to best suit its audience, with 80% of content suitable for all healthcare staff and the remainder being a customisable case study approach to best suit the learners. This has allowed staff across a variety of different roles (from estates and facilities directors to surgeons) to use materials which are most appropriate for their working group.

The Healthcare Toolkit has grown significantly in 2021 and is now used widely across a range of different Healthcare organisations, including NHS, medical suppliers, medical consultancies and training departments.

6

NHS Trusts contributed to the development of the Toolkit

16

Healthcare organisations granted access to the Toolkit

2

Cohorts of training completed

2

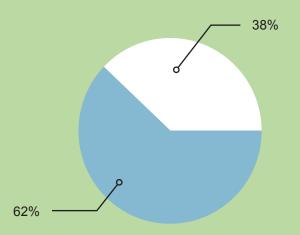
New CLOs in the sector

Learners Certified

% of all healthcare learners certified in 2021

Healthcare Toolkit

Other courses within the sector



New CLOs





Social Housing



Toolkit Highlights

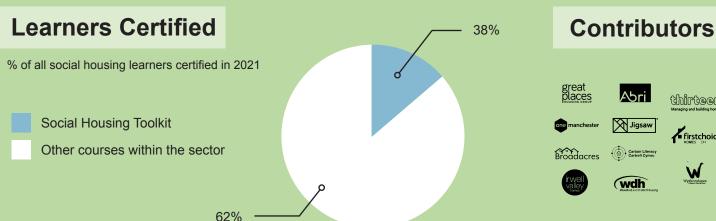
The social housing sector has a long-standing relationship with The Carbon Literacy Project. Originally, a group of up to 20 registered providers (RPs) jointly formed the Carbon Literacy for Registered Providers (CL4RPs) consortium. Their collective efforts to fund the development and delivery of a shared Carbon Literacy course and a trainthe-trainer programme resulted in almost 2000 Carbon Literate housing officers across the Greater Manchester region.

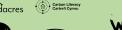
In February 2021, CL4RPs dipped into their leftover funds to offer The Carbon Literacy Project the capacity to produce a Carbon Literacy Toolkit for the sector. RPs around the country would soon enjoy the benefits of easy-to-access CL training materials. The Carbon Literacy Project partnered with Great Places Housing Group to arrange a series of consultation events inviting representatives from 11 RPs around the UK to contribute ideas and pilot the first version of the course. The Social Housing Toolkit launched officially in September 2021.

Housing associations contributed to the development of the **Toolkit**

Pilots successfully delivered

Learners certified across the social housing sector











New CLOs



Local Authorities



Toolkit Highlights

In 2021, two new Carbon Literacy courses were launched as a part of the Local Authorities Toolkit; one for Elected Members and the other for Leadership & Management. The development of these courses, alongside the original Generic Staff Course, was funded by the Department for Business, Energy and Industrial Strategy (BEIS) via the Greater Manchester Combined Authority (GMCA). It involved the contribution and donation of materials, and piloting by 13 different local authorities in England and Wales. Pilots were also completed for the upcoming Parish & Town Councils Course, and work started on a Community Leaders Course.

A prominent highlight of 2021 was the Local Authorities Focus Day, held as part of our COP26 programme of events. The day explored how Carbon Literacy can help Local Authorities deliver climate action, and showcased some of the very best training taking place across UK councils.

1834

Individuals trained across 163 councils

2

New courses within the Local Authorities Toolkit

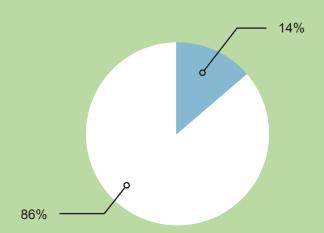
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New CLOs in the sector

Learners Certified

% of all local authorities learners certified in 2021

Local Authorities Toolkit

Other Course within the sector



















Universities & Colleges



Toolkit Highlights

Also funded by the Department for Business, Energy and Industrial Strategy (BEIS) via the Greater Manchester Combined Authority (GMCA), the Universities and Colleges Toolkit contains three staff and student training courses. The first Colleges Toolkit was developed in 2021 as a collaboration between Manchester Metropolitan University and the Association of Colleges. In 2021, Nottingham Trent University produced the second Universities Toolkit course.

Various other Carbon Literacy highlights within the sector in 2021 include: The University of Queensland became the first Australian university to engage in Carbon Literacy and the first Australian CLO. Three of the top four universities in the 2021 People and Planet University League had those with Carbon Literacy training programmes. Cambridge University students introduced Carbon Literacy to their university with a unique student-led approach.

2

Toolkits launched (MMU FE and NTU HE)

40

Universities and Colleges engaged worldwide

2593

Learners certified within sector

3
New CLOs in the sector

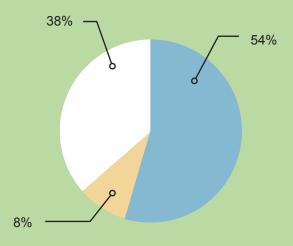
Learners Certified

% of all universities and colleges learners certified in 2021

Universities Toolkit

Colleges Toolkit

Other courses within the sector



New CLOs





Automotive



Toolkit Highlights

Auto Trader, the first FTSE 100 company to become Carbon Literate, funded, designed and developed a Carbon Literacy Toolkit specifically for the automotive industry in collaboration with The Carbon Literacy Project. Organisations from across the industry, from manufacture and retail to salvage, came together to brainstorm the content of the course, producing a course designed by the industry, for the industry.

Following several pilots with industry leaders, the Automotive Toolkit launched in November 2021 as part of The Carbon Literacy Project's Transport Focus Day during COP26. The Automotive Toolkit is the first Carbon Literacy Toolkit to be funded and rolled out in the private sector. Auto Trader continues supporting The Carbon Literacy Project and Automotive Toolkit by holding monthly open training sessions for any interested organisation in the sector.

21

Contributors to the Toolkit materials

32

Introductory calls

19

Organisations accessed the Toolkit

1

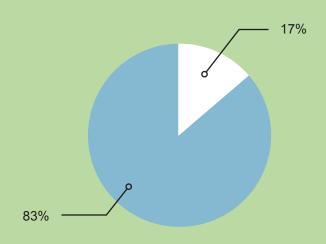
New CLO in the sector

Learners Certified

% of all automotive learners certified in 2021

AutomotiveToolkit

Other Course within the sector



New CLOs



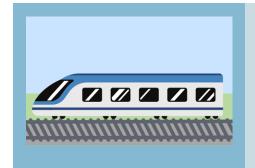
Upcoming Sectoral Toolkits



Museums

In 2021, Arts Council England developed this Toolkit as part of the Roots & Branches Project in partnership with Museum Development North West and Manchester Museum.

Successful pilots set the Toolkit up for keen uptake during the following year.



Rail

The same year, a shareable course for the Rail industry was announced at COP26. It was developed by a working group of train operators, rail engineering, construction and services companies, and the Rail Safety and Standards Board (RSSB).



Civil Service

Greater Manchester Combined Authority (GMCA) and the Department for Business, Energy and Industrial Strategy (BEIS) funded this Toolkit. The course was developed in partnership with BEIS, who piloted the Toolkit in 2020.







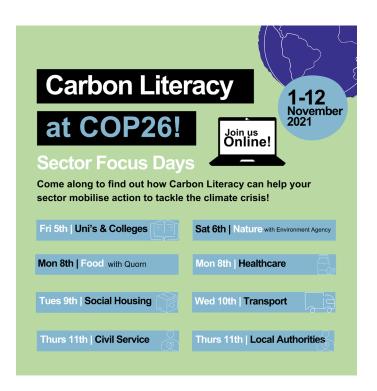




COP26

COP26 at CLP

To coincide with COP26 in Glasgow,a series of Sector Focus Days were delivered to showcase the work being done across a wide range of sectors to deliver Carbon Literacy learning and action. These online webinars were run in collaboration with partner organisations including Anthesis, Quorn and Transpennine Express.



Carbon Literacy Action Day

The first mass climate education training event of its kind, the Carbon Literacy Action Day (CLAD) saw learners from all walks of life, sectors, genders and ages, all around the world. complete their days' worth of Carbon Literacy training to become certified as Carbon Literate. The Action Day webinar was joined by representatives from 16 different organisations, many of which were delivering training on the day, who shared the impact of Carbon Literacy in their organisations.

Training delivered in 7 nations:

- England
- Scotland
- Croatia
- Wales
- Guatemala
- Australia
- Northern Ireland

502
individuals trained as part of the Carbon Literacy Action Day

35
Unique Carbon
Literacy courses
delivered

1,004

Actions pledged to tackle climate change

14

Sectors of society represented

29

Organisations and trainers delivering

CL at COP26

Many team members were able to attend COP26 in person in Glasgow and champion Carbon Literacy on the ground.

Blue Zone

As an official Observer Organisation, The Carbon Literacy Project joined the 40,000 delegates in the Blue Zone - the UN area where the negotiations take place. It enabled the team to 'observe' the process and gain a direct insight into how the negotiations work. Beyond the negotiations, the team was involved with the Action for Climate Empowerment (ACE) working group, which aligned greatly with Carbon Literacy - the six elements of ACE being: Education; Training; Public Awareness; Public Access to Information; Public Participation; and, International Cooperation. Adopting the Glasgow ACE Programme, opens the door to further development of Action for Climate Empowerment, which The Carbon Literacy hopes to support more closely, through its work, moving forward.

United Nations Climate Change UN CLIMATE CHANGE CONFERENCE UK 2021 IN PARTNERSHIP WITH ITALY

Green Zone

Many team members were able to attend the public, civil society facing Green Zone, which was filled with inspiring people, organisations, stands, events and artwork, all showcasing the work being done to tackle climate change from a variety of lenses. A pop-up Carbon Literacy stall was set up, which sparked meaningful conversations with a whole host of organisations with similar missions. It also presented with the opportunity to meet the team from Keep Northern Ireland Beautiful, an organisation already championing Carbon Literacy in Northern Ireland, and connected with international climate education organisation Climate Fresk.



Social Media Growth

In 2021, increased efforts were made to build and maintain an engaged Carbon Literacy community on social media. As a result, considerable improvements in the growth and engagement of the audience was seen across all social media platforms.

Aims

- Increase awareness of The Carbon Literacy Project
- Foster a more engaged Carbon Literate community
- Encourage more learners to undertake Carbon Literacy training

Results

A snapshot across all platforms from July 2021 to December 2021

11,837

Cumulative followers by the end of the year

42.43%

Audience growth rate

3.536

Followers gained



Platforms



Twitter
@carbon_literacy

in

The Carbon Literacy Project



Facebook

The Carbon Literacy Project



Instagram

@carbonliteracy

Social Media Performance

LinkedIn

in

295 Posts

8,592 Profile visits

149.700 Total post impressions

191.26% Audience growth rate

3.67% Average click through rate

5.58% Average engagement rate

Time period: April 2021-December 2021

Twitter **



1,160 **Tweets**

56.982 Profile visits

503.700 Total tweet impressions

25.5% Audience growth rate

0.12% Average click through rate

1.28%

Average engagement rate

Time period: April 2021-December 2021

Instagram O



62 **Posts**

653 Stories

149.700 Profile visits

49.06% Audience growth rate

3.67%

Total reach

Time period: April 2021-December 2021

Facebook



250 **Posts**

923 Page visits

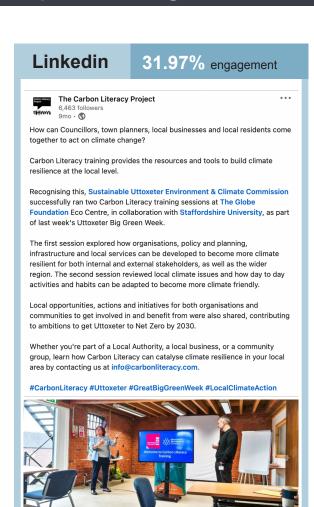
12,746
Total reach

8.95%

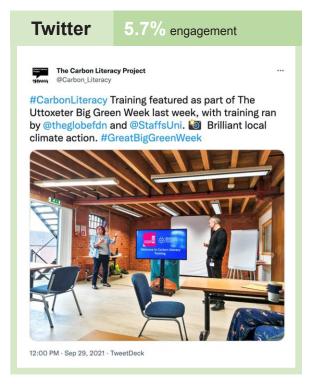
Audience growth rate (Jun - Dec)

Time period: April 2021-December 2021

Top Performing Posts









Carbon Literacy in the Press

Carbon Literacy received more press coverage in 2021 than ever before. This was thanks to the increasing number of Carbon Literacy delivery partners sharing the impact the training had in their own organisations and beyond.



















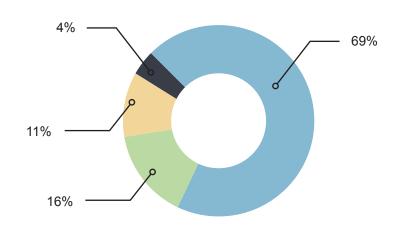
Income Streams

In the 2021 financial year, the organisation's income increased by almost 20%, from £240,405 in 2020 to £288,009 in 2021. The main income streams are our various accreditations, with growth from individual certification and course accreditations accounting for almost all of the growth in this year.

Revenue Breakdown

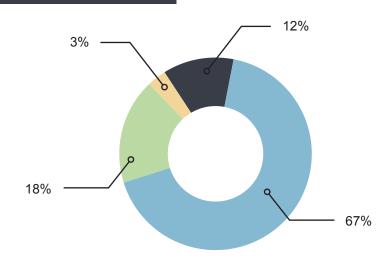


- Grants
- Donations
- Other Income



Accreditation Revenue Breakdown

- Individual Certification
- Course Accreditation
- Trainer Accreditation
- Organisation Accreditation



With thanks...

Grant funders

Donors



patagonia

=AutoTrader



WILLKIE FARR & GALLAGHER ILP

Team Growth

A number of new staff members and placement students were welcomed during 2021, all of whom were crucial in facilitating the unprecedented growth witnessed this year.

The Carbon Literacy Trust, which oversees the delivery of The Carbon Literacy Project, also welcomed a new trustee, Jen Wilson.



Catherine McGinn
Communications Officer



Caelan Knight Project Officer



Ruth James
Automotive Coordinator



Annie TarpeyProject Officer



Lucia SimmonsCommunications Officer



Jack Rhodes-Worden Museums Coordinator



Vydune Zlabyte Project Officer



Ned Gatenby Social Housing Coordinator



Miranda Cooper Local Authorities Coordinator



Rebekah Clarke
Placement Student



Nicole Baldwin
Placement Student



Jen Wilson Trustee

