



2023 UCI CYCLING WORLD CHAMPIONSHIPS

Sustainability Report

June 2024

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1. FOREWORD

Welcome to the Sustainability Report for the 2023 UCI Cycling World Championships, a comprehensive overview of our commitment to environmental and social responsibility in hosting this inaugural mega event, comprised of 13 individual UCI World Championships. As we reflect on this pinnacle of sporting excellence, and celebration of the power of the bike, we recognise the critical role that sustainability plays in preserving our planet and promoting a brighter future for all.

At a time where climate change, resource depletion, and social inequities pose significant challenges, the 2023 UCI Cycling World Championships (2023 UCI Cycling Worlds) aimed to be a champion of sustainability in the world of sport. This report serves as a testament to our dedication to minimising our environmental impact, supporting local communities and leaving a positive legacy for Glasgow and Scotland, our global cycling community and generations to come.

The 2023 UCI Cycling World Championships presented a unique opportunity to harness the power of the bike and showcase our commitment to a sustainable future. From the moment Scotland was awarded the privilege to host this event, we have strived to ensure that sustainability is at the core of our planning, operations and legacy. We cemented this ambition in signing the United Nations Sport for Climate Action Framework in 2021. A year later, we became a founding signatory to the UCI's Climate Action Charter, joining the world governing body for cycling and its stakeholders in a public commitment to reducing cycling's environmental impacts, advancing the United Nations Sustainable Development Goals (UN SDGs), and promoting everyday cycling.

While 2023 UCI Cycling Worlds worked to make the Championships as sustainable as possible, we need to acknowledge the wider geopolitical and economic landscape, including inflationary pressures, which had a significant impact on the delivery of the event. As resource and budget were constrained, we were clear from the outset that our sustainability ambitions could only be delivered and create a lasting impact through collaboration with our partners and stakeholders, implementing ambitious yet achievable initiatives and innovative solutions to succeed in our joint vision with the UCI: "The 2023 UCI Cycling World Championships will be a catalyst for behavioural change across Scotland before, during and after the event".

In this report, you will find an overview of our sustainability initiatives, highlighting the key strategies and actions we have undertaken to achieve our objectives. Our core pillars of "People, Place and Planet" were outlined in our Sustainability Framework, setting out guiding principles which aimed to support and contribute towards the United Nations Sustainable Development Goals. More specifically, we sought to engage new audiences, increase participation, embed Equality, Diversity and Inclusion, contribute to net-zero goals aligned with the Paris Agreement and showcase Scottish nature and biodiversity. As a result, the SDG assessment undertaken via the UCI's Sustainability Impact Tracker identified that 2023 UCI Cycling Worlds **contributed to 14 out of 17 UN SDGs**. We were also delighted to see our efforts recognised at the 2023 Herald GenAnalytics Diversity Awards and in the Diversity and Inclusion category at the 2023 Access for All Awards.

The route to sustainability is challenging and not one to master over the course of delivering one single event. We are certain that there is room for learning and improvement following the 2023 UCI Cycling

Worlds, but we can nevertheless be proud of the efforts we have made to drive meaningful change. This Sustainability Report aims to offer useful insights and recommendations to help deliver sustainable events and encourage continued innovation in the future.

We would like to thank our delivery partners, the UCI, principal funders, host local authorities, volunteers, athletes and all visitors to the 2023 UCI Cycling World Championships for their support of our sustainability goals and activities. As we embraced our sustainability aims throughout the Championships, we hope that our efforts will inspire positive change and motivate others - from event organisers to governing bodies and everyday cyclists - to join us in our quest for a more sustainable world. Together, we can make a difference, one pedal stroke at a time through the power of the bike.



Alexandra Innes
Chair of the Sustainability
Strategy Working Group,
2023 UCI Cycling World
Championships Board Director
















Paul Bush OBE
Chair of the Board,
2023 UCI Cycling World
Championships



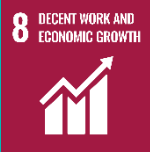


















As a purpose-led event, the 2023 UCI Cycling World Championships committed to embedding sustainability into the organisation, collaborating with partners and supporting the value chain to drive progress to create a greener and more sustainable future for both cycling events as well as Scotland as a nation. The fact that **86% of stakeholders felt the Championships were delivered in an environmentally responsible way** is testament to this¹.

Through the Sustainability Framework and its ten high-level commitments aligned to the pillars of People, Place and Planet, significant work was undertaken to ensure that the event was as sustainable as possible. Measurement of the event's carbon footprint was implemented with a view to create a baseline and blueprint for future events such as the 2027 UCI Cycling World Championships but also other events in Scotland and beyond.

Sustainability Framework

Pillar	Objective	UN SDG
PEOPLE	Create solutions that facilitate the transition to a low carbon economy and promote Scotland as the centre of circular economy innovation in support of the global sustainable development agenda.	   
	Raise awareness of the climate emergency and empower local people to deliver a sustainable event and legacy.	 
	Embed equality, diversity and inclusion (EDI) considerations and practices within all 2023 UCI Cycling World Championships activities through an EDI framework.	
PLACE	Engage with new audiences to increase wider participation and advance Scotland as a cycling nation.	   
	Promote Scotland's natural and cultural heritage to visitors across all regions, raise awareness of sustainable and responsible tourism principles and support the development of inclusive tourism in Scotland.	 

¹ Source: Ernst & Young Socio-Economic Impact Evaluation Report

Pillar	Objective	UN SDG
	Champion Scotland as a Land of Good Food and Drink with nutritious, fresh, and environmentally sustainable products.	 
PLANET	Celebrate the Power of the Bike for acting on climate change, air pollution and improving health and well-being.	   
	Eliminate emissions wherever possible to deliver a low carbon event contributing towards Glasgow and Scotland's Net-Zero goals aligned with the 1.5°C ambition of the Paris Agreement.	      
	Implement best practice and innovate to become a model for future events in Scotland and around the world.	   
	Showcase Scottish nature, the pressures biodiversity faces and its importance for climate adaptation.	 

Key achievements and initiatives can be summarised as:

1. **Power of the Bike:** The 'Power of the Bike' tagline offers a tangible opportunity for mobilisation to continue driving the Championships' sustainability ambitions in the long term. This simple concept holds great potential to promote cycling in Scotland and beyond if it continues to be championed beyond 2023, to help address the climate emergency.
2. **Assessment of performance against ESG indicators and UN SDGs:** In addition to measuring its carbon footprint, 2023 UCI Cycling Worlds committed to a voluntary Environment, Social and Governance (ESG) assessment mapped against UN Sustainable Development Goals (UN SDGs) as implementation of best practice and to set a benchmark for reporting. The assessment was carried out via the new UCI Sustainability Impact Tracker with 2023 UCI Cycling Worlds being the first to utilise this tool. **The overall ESG score given was 53 (out of 100), ranking in the top**

5% of all events measured using this ESG assessment methodology. The assessment also identified that 2023 UCI Cycling Worlds contributed to 14 out of 17 UN SDGs, demonstrating the wide range of activities undertaken and underlining our commitment to a sustainable approach to event delivery.

3. **Carbon footprint benchmark:** Setting a precedent for future iterations of the UCI Cycling World Championships, all efforts were made to track emissions to arrive at a carbon footprint measure which can act as a benchmark going forward. Being the first event to use the UCI Sustainability Impact Tracker, the **total carbon footprint of the 2023 UCI Cycling World Championships has been calculated as 61.1 ktCO₂e** and makes an effort to include assumptions on emissions from spectator travel. While the carbon footprint figure comes with caveats, key learnings can be taken away by event organisers across Scotland, the UK and beyond to help improve data collection and methodology.
4. **Embedding Equality, Diversity and Inclusion (EDI):** The organisation embedded EDI as part of its DNA through its EDI framework with the pillars of 'Attract, Engage and Inspire' to welcome all to the Championships and encourage women and girls, and young people to take up cycling as a sport or every-day activity. **97% of people who attended the event felt it was inclusive and 93% of spectators with a disability found the event to be accessible. Over 90% of attendances at events were non-ticketed**, facilitating greater access to watch and take part. It was also the first time for a UCI World Championships to close with the **Elite Women's road race as the grand finale**. Furthermore, **over 40% of spectators were women** and many of the activations reached higher participation rates for girls taking part in cycling events.²
5. **Appointment of Sustainability Subject Matter Expert:** This dedicated resource drove the sustainability mission from within the organisation, meaning there was check and challenge across functional areas. The Sustainability Manager, alongside the wider Strategy and Policy Impacts Directorate, acted as a guide for internal colleagues when required but also established direct links to Event Delivery Partners (EDPs) across the new Hub and Spoke delivery model as a guide and critical friend to embed and share knowledge with the teams delivering the event.
6. **Education and investment:** Documents like the Good Food Charter and establishment of the EDP Sustainability Champions network supported learning as well as sharing of knowledge and best practice. These initiatives can now act as a blueprint for future events. UCI Climate Awareness training for staff put a focus on climate challenges and their impacts while tailoring the subject matter to help participants connect learnings to their work. Inspired By Projects like the Community Cycling Fund and the Cycling Facilities Fund **provided funding to cycling programmes and facilities across all 32 local authorities**. To date, £7m have been invested across both funds. Partners and stakeholders also made significant investments into active travel as a legacy of the 2023 UCI Cycling World Championships with Transport Scotland committing to investing almost £4m into active travel across the country.
7. **Sustainable Procurement Code:** The creation of the Code provided a link across the Hub and Spoke delivery model to raising awareness of the minimum standards expected to support sustainability, EDI and low carbon emissions ambitions.

² Source: Ernst & Young Socio-Economic Impact Evaluation Report.

8. **Transport: 45% of fleet vehicles being either EV or hybrid** was a great achievement alongside **35% of workforce fleet vehicles being bikes**. This was a best practice example of a functional area adopting sustainable practice into their operations to help reduce emissions.
9. **Best practice in event operations:** The EDP Sustainability Champions acted as a driving force in implementing sustainability measures within their individual events. This was successful in Glentress for example, where the efforts of a very engaged and pro-active green champion within the team resulted in a number of initiatives of best practice. This included the cup return scheme utilised by all catering tracers on site and use of HVO & Green Hydrogen for temporary power solutions on venue. Overall, all EDPs made concerted efforts to utilise reusable products where possible to minimise any waste sent to landfill.
10. **Engaging new audiences to increase participation:** Scottish Cycling as official Activation and Legacy partner delivered the 'Ride the Worlds' programme which provided young people with the opportunity to connect to the Championships and have a taste of racing themselves. The aim of the programme was to inspire and empower them to make cycling a sport for life. **Exceeding targets, 110 events were delivered across Scotland to 4,963 participants.**
11. **Sustainability venue audits:** Visits to all Championships venues were undertaken during the event to review and capture implemented sustainability measures. Areas of focus included waste management, water usage (e.g. top-up taps, bike cleaning facilities, toilets), food and drink provision, energy consumption and transport options (e.g. park & ride facilities, secure bike parking). Observations noted a number of positives such as recycling solutions implemented front- and back-of-house or cargo bikes being used on-site but also identified areas from which the events industry can learn or improve upon. For example, a greater focus could have been put on avoidance of waste cross-contamination, sale of locally sourced food and drink or maximising opportunities to educate spectators on recycling measures or biodiversity initiatives.

While many positive initiatives with potential to extend the impacts of the 2023 UCI Cycling Worlds far beyond 2023 were implemented, not all objectives were fully achieved. It is however hoped that future iterations of the UCI Cycling World Championships as well as other event organisers, governing bodies and host countries can build on our efforts and draw on our learnings, to continue to innovate and drive sustainability in events forward.

Key lessons learned and recommendations:

1. **Expertise:** Appoint sustainability expert resource as early as possible. This will help shape an organisation's direction for its sustainability objectives and the implementation of a sustainability framework. This ensures staff and partners associated with the Championships are aware of specific sustainability impact goals, how they would benefit the event and how they can be achieved with their support.
2. **Areas of focus:** Establish and record sustainability objectives in a concise sustainability framework with associated measurable KPIs and owned actions to meet them. It is impossible for event organisers to resolve every sustainability challenge in existence, focussing on a few

key areas or initiatives, resourcing them appropriately and addressing them thoroughly will allow for greater impact and provide focus to the delivery team.

3. **Clear supplier obligations:** Embedding sustainability objectives and clear requirements within tenders and contracts is recommended. This sets out expectations, responsibilities and measurable targets, ensuring accountability and embedding in delivery plans as well as associated budgets.
4. **Telling the story:** Sustainability storytelling should be developed further. To communicate sustainability objectives helps raise awareness of key climate issues with delivery partners but also the general public. It is recommended that a dedicated policy communications or marketing post is appointed to lead on telling positive impact stories. Appointing an ambassador or spokesperson to champion sustainability through dedicated campaigns could help drive awareness further.
5. **Resource:** It is recommended that delivery partners ensure dedicated sustainability resource to track carbon emissions and fully deploy sustainable practices into operational delivery. EDP Sustainability Champions often covered multiple roles which meant other priorities took precedent over sustainability at times.
6. **Planning for data capture:** Plans for data capture and scope should be established early on in alignment with sustainability goals and tracker tools to be used. What data is to be collected by the Organising Committee as well as delivery partners should be formalised and standardised to ensure consistency and relevancy for reporting. Should tools like a carbon calculator or an ESG assessment be used, it is recommended to review these well in advance of the event to allow for sufficient time to plan for collection of required data.
7. **Addressing common gaps in carbon foot-printing:** Consideration should be given to establishing a carbon footprint for spectator and athlete travel as a substantial factor in major events which often see visitors travel from overseas to attend.
8. **Legacy:** Formally identify a dedicated body or organisation outside of the host with responsibility for the longer-term legacy related to areas such as sustainability, EDI, transport, tourism and so forth at the beginning of the project.



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At the heart of the 2023 UCI Cycling Worlds were people. Engraining an organisational culture with sustainability as a focus was pivotal in reaching our objectives and in the ask to our people to come with us on the journey.

Objective 1

Create solutions that facilitate the transition to a low carbon economy and promote Scotland as the centre of circular economy innovation in support of the global sustainable development agenda.

With funding support from the Interreg ProCirc programme, experts were engaged to help create the 2023 UCI Cycling World Championships Sustainable Procurement Code (Appendix 3).

This code provided a link across the Hub and Spoke delivery model for raising awareness of the minimum standards expected to support the organisation's sustainability, Equality, Diversity and Inclusion (EDI) and low-carbon ambitions.

The Sustainable Procurement Code aimed to:

- Scale up the development of circular business models, products and services in Scotland.
- Assess the best options with the lowest overall balance of cost, carbon and environmental impact across product lifecycles.
- Ensure fair, ethical working conditions and practices across the value chain and event delivery.
- Create opportunities in the event's value chain for local businesses: small and medium-sized enterprises (SMEs), non-profit social enterprises, women-owned businesses, minority ethnic businesses and young entrepreneurs.

Providing opportunities for local businesses to participate in the event reduced transportation emissions and helped ensure funding stayed in Scotland as part of a green recovery. As a result, 56% of 2023 UCI Cycling Worlds owned contracts were awarded to Scottish based companies and 77% of spend was with UK based suppliers³.

The Sustainable Procurement Code, as a cornerstone of the 2023 UCI Cycling Worlds policy structure, underlined the organisation's commitment to making sustainable choices throughout the planning and execution of the event. Sustainability principles extended to every facet of procurement, from sourcing materials and services ethically, to minimising waste and carbon emissions. The Sustainable Procurement Code served as a guide, steering 2023 UCI Cycling Worlds and EDPs towards responsible choices to leave a lasting, positive impact on the environment, stakeholders and local communities. It was included in tender packs and referred to in specifications where applicable. Tenders also included specific questions (where applicable), to ask how suppliers would comply with sustainable policies in the delivery of their goods and services.

Dedicated data collection and evaluation could have helped assess the success of introducing the Sustainable Procurement Code, resulting in a higher score in the related UCI Sustainability Impact Tracker's ESG theme (see section 5. Planet, Objective 3).

³ Figures as at January 2024.

Case Study: Circularity – Glasgow Green Trials Furniture

At the 2023 UCI Cycling World Championships, commitment to sustainability extended beyond the event itself with a belief in responsible material management and making a positive impact on communities.

It was initially intended to send the branded materials and structures from the Trials competition to landfill disposal. However, instead of creating waste, it was agreed to reuse these materials and incorporate them into community projects to benefit the children and families of Glasgow and surrounding areas, to develop skills and introduce new riders to cycling as a sport.

There was strong appetite from community groups to put this equipment to good use. Organisations like Scottish Bike Trials and Clyde Cycle Park collaborated with local transport businesses to ensure that this Trials furniture was reused in the community. There is now a longer-term ambition for Clyde Cycle Park to host National and International Trials events with this new infrastructure which is a significant development for the sport in Scotland.

This initiative not only reduced waste but also left a meaningful legacy from the Championships, enriching the lives of the local community. It reflected 2023 UCI Cycling World's commitment to sustainability, community engagement and the creation of positive, lasting impacts.



Objective 2

Raise Awareness of the climate emergency and empower local people to deliver a sustainable event and legacy.

The 2023 UCI Cycling World Championships implemented several actions to enhance climate change awareness and sustainability skills of EDPs, venues and the wider supply base in Scotland to optimise the impact of a collective effort on climate action.

Internally, the sustainability mission was driven by the appointment of a Sustainability Manager as a subject matter expert. In addition, a **Sustainability Strategy Working Group (SSWG) made up of industry experts was set up** to act as the engine driving the organisation's sustainability initiatives. This dynamic collective of passionate individuals, experts and stakeholders converged to formulate, evaluate and evolve the sustainability strategy. Their diverse perspectives and shared commitment ensured that event planning and delivery remained at the forefront of sustainability innovation, responding adeptly to changing circumstances and challenges.

To provide depth and specialised expertise several support sub-groups were key in meeting broader sustainability objectives:

- The Carbon Measurement and Offset Sub-Group;
- The Sustainable Event Transport Sub-Group; and
- The Education and Biodiversity Sub-Group.

These sub-groups focused on distinct areas of sustainability, allowing for a deeper delve into specific issues, establishing measurable goals and implementing effective solutions. Simultaneously, the Sustainable Transport Sub-Group sought to optimise transportation hierarchy and methods, encouraging eco-friendly alternatives and minimising the event's impact on the environment.

In addition to the SSWG, a **Policy Advisory Group (PAG) was set up to help drive forward the wider policy ambitions of the 2023 UCI Cycling Worlds beyond the event itself**. Comprised of senior representatives from key stakeholders, the PAG's purpose included to collectively champion a ONE Scotland approach to unify and improve collaboration across cycling at national and local level, to advance and influence the wider policy ambitions for the event and leverage support for its vision and outcomes, with the goal to maximise impacts before, during and after the Championships.

This integrated governance structure for sustainability management ensured accountability but also allowed the organisation to harness the full power of collaboration and external expertise. It reflected the ambition of making the 2023 UCI Cycling Worlds an example of responsible event management as well as the requirement to implement UK Sport's Code for Sports Governance as best practice.

Staff of the Hub (2023 Cycling World Championships Ltd) as well as EDPs were offered **UCI Climate Action Training** to increase their knowledge of the climate emergency, to equip them with skills to reduce their own personal footprint but also to put into practice learnings to reduce the impact of their work. 68 individuals completed this training to adopt into their working practices.

In September 2023, internal Hub staff completed a staff survey to detail their thoughts and attitudes towards environmental sustainability. Staff demonstrated the below:

5. On a scale of 1-5 (Strongly Agree - Strongly Disagree) how would you rate these following statements:

Strongly Disagree Disagree Neutral Agree Strongly agree

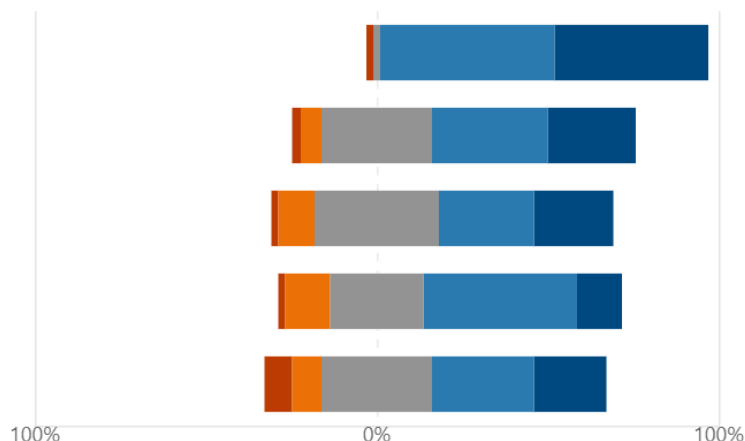
I am aware that sustainability is a strategic priority for 2023 Cycling Worlds Championships Ltd

2023 Cycling Worlds Championships Ltd values sustainability within the organisation

2023 Cycling Worlds Championships Ltd has championed sustainability in event delivery

I have invested time into embedding sustainability in my decisions and planning

I have gained knowledge on sustainability that I did not have before

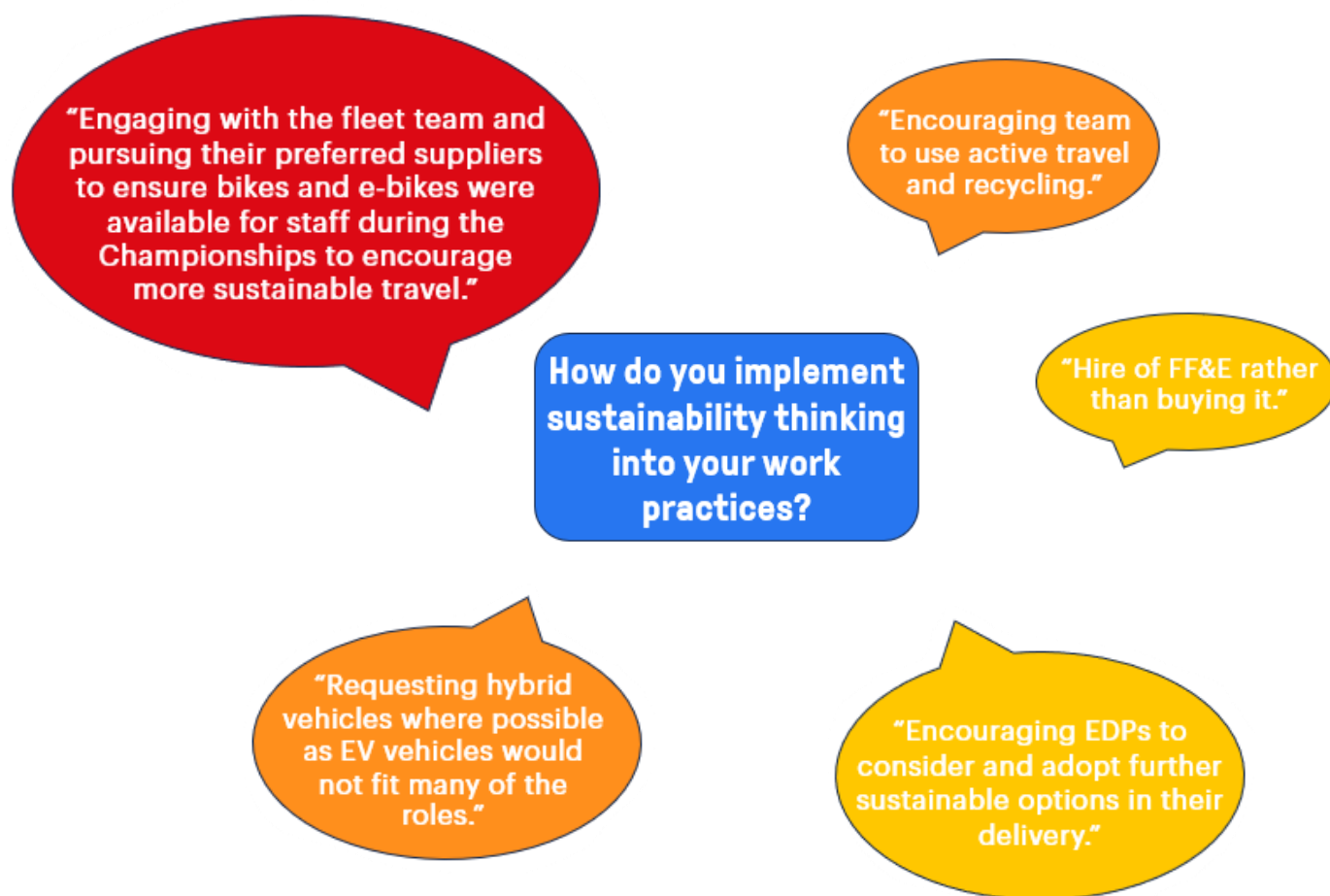


"I try to track energy consumption, opt for sustainable travel as far as possible, consider whether meetings have to take place in person/ can be held online to avoid unnecessary travel."

"Use more public transport and took advantage of the cycle to work scheme."

34% of staff noted they changed their behaviours

"Sustainable travel - cycling to work every day and using train and bus as main forms of transport."

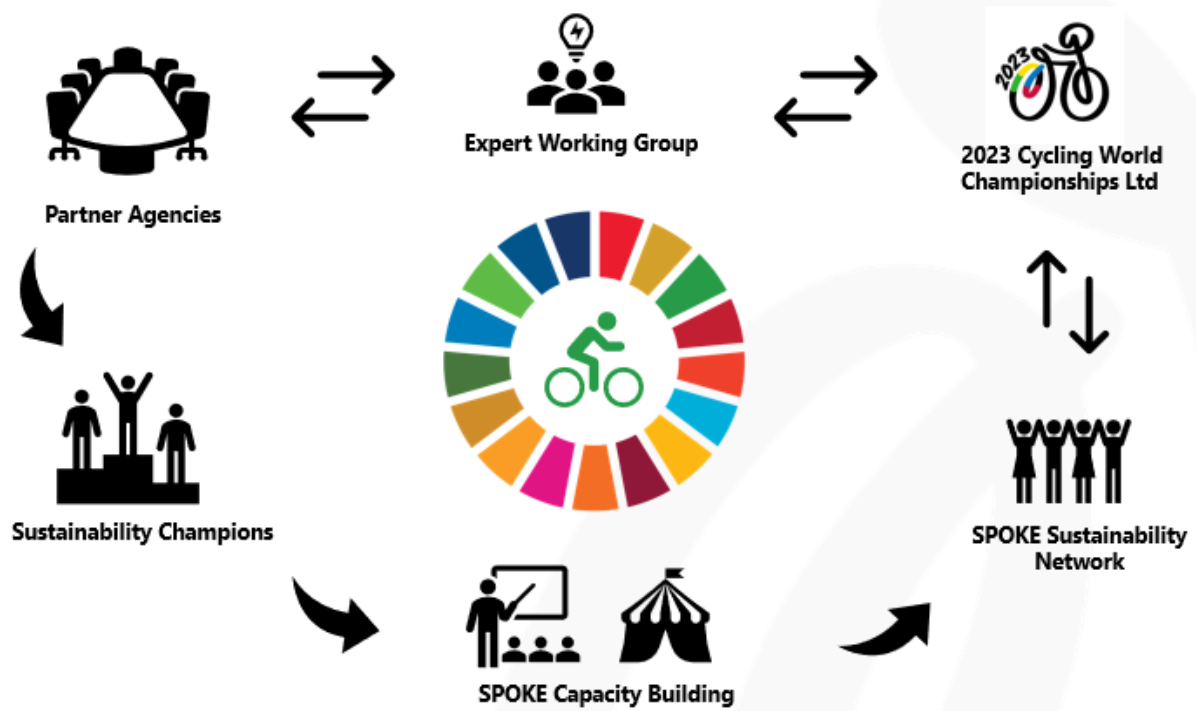


Stakeholder Engagement

2023 UCI Cycling Worlds' commitment to sustainability extended beyond organisational efforts, reaching out to embrace a diverse spectrum of stakeholders and EDPs who played a vital role in the success of the event through the new Hub and Spoke Delivery Model (see Appendix 4 for information on the model). In recognition of sustainability initiatives being strengthened through collaboration, a comprehensive approach to engage participants, sponsors, local communities and EDPs was implemented.

People, as the heart and soul of the Championships, were essential stakeholders in sustainability endeavours. As such, fostering a sense of shared responsibility by not only informing participants about sustainability goals but also actively involving them in the process was important.

COLLABORATION FOR SUSTAINABLE DEVELOPMENT OUTCOMES:



From EDPs, volunteers and athletes to support staff, 2023 UCI Cycling Worlds encouraged sustainable practices, ensuring that their actions aligned with the sustainability vision. Through workshops, educational materials and ongoing communication, tools and information were provided to participants to empower them to make sustainable choices, both during the event and in their personal lives.

EDPs, including Local Authorities and service providers, were essential collaborators on 2023 UCI Cycling Worlds' sustainability journey. The team worked in tandem with EDPs to align sustainability objectives via the Sustainability Framework and action plans with their expertise and capabilities. Forging strong relationships with EDPs ensured that sustainability was integrated into event planning, from energy, transportation and infrastructure to waste management and local engagement. Due to the diverse nature of the EDPs this was successful to varying degrees but always in a positive and value-added way, ensuring sustainability ambitions were communicated clearly and implemented in a tailored approach.

All EDPs nominated a Sustainability Champion who worked directly with the Hub's Sustainability Manager to implement knowledge into the on-the-ground delivery. This also included collecting data for waste, transport and energy to feed into the event's overall carbon footprint calculation (see section 5. Planet, Objective 2).

Through these dynamic and inclusive engagement strategies, not only was a sense of collective responsibility fostered but 2023 UCI Cycling Worlds and partners were also able to harness the

combined knowledge, resources and passion of stakeholders and EDPs, encouraging innovation, upskilling and sharing of best practice.

In summary, the governance structure and stakeholder engagement alongside formalised measures for monitoring and reporting through the Sustainability Framework and Action Plan ensured sustainability was embedded at all levels of the organisation and throughout event delivery, which is reflected in the comparatively high score given against the “Governance” theme in the UCI Sustainability Impact Tracker’s ESG assessment (refer to section 5. Planet, Objective 3).

Objective 3

Embed equality, diversity and inclusion (EDI) considerations and practices within all 2023 UCI Cycling World Championships activities through an EDI framework.

The 2023 UCI Cycling World Championships were driven by the vision to be a catalyst for change across Scotland. Equality, Diversity and Inclusion (EDI) were integral to fulfilling this vision, and to delivering a world-class event that embodied the spirit of community, belonging and equal respect. 2023 UCI Cycling Worlds commitment to EDI is clearly aligned to the United Nations Sustainable Development Goals to achieve a better and more sustainable future for all. Climate change will have serious effects on people who are most vulnerable in society, who are living in poverty and lack economic opportunity, widening the inequality gap even further.

To drive this vision, a dedicated EDI framework was created, setting out a flexible and collaborative approach for promoting and advancing EDI before, during and after the event. It tied in with the pillars of People, Place and Planet to foster inclusive growth and drive progress towards the United Nations’ Sustainable Development Goals in Scotland. It also recognised the EDI priorities set out by the Scottish Government on physical health, active travel and wellbeing.

The EDI framework set out expectations as to how event delivery partners and stakeholders could contribute by working in partnership to progress EDI goals. To achieve this, **partners and stakeholders were asked to sign up to the EDI Pledge - a commitment to foster inclusion in their everyday work.**

The EDI framework set out 2023 UCI Cycling Worlds’ commitment to three priorities:

1. ATTRACT

Welcome everyone to be part of the event.

Foster inclusion into the heart of the event to create a positive experience for everyone.

2. ENGAGE

Connect with our communities.

Deliver a truly unique event which reflects the vibrant and diverse communities of Scotland through its volunteers, spectators and participants and reaching out to those that will benefit the most from the experience of the event

3. INSPIRE

Inspire new audiences to ride a bike.

Inspire new audiences and strengthen our communities through cycling to build a broader more diverse sport for the future with a key focus on increasing participation of women and girls, and children and young people in cycling.

A comprehensive EDI Report was published following the Championships, outlining activities delivered, outcomes and lessons learned. A few examples and key findings are summarised below, [please refer to the EDI Framework, EDI Pledge and full EDI Report for more detail](#):

- **⁴Inclusive design:** An important part of 2023 UCI Cycling Worlds legacy was to set a template for future major events on accessibility and inclusion. Working in collaboration with Euan's Guide, the 2023 UCI Cycling World Championships produced Planning for Inclusion Guidelines for each of the EDPs to work through as part of the build planning.

97% of people who attended the event felt it was inclusive

93% of spectators with a disability found the event to be accessible

- **Venue accessibility advisor visits:** Once venues were built, accessibility visits were organised to test the inclusion and accessibility provision and services that had been put in place through the Planning for Inclusion Guidelines. With the support from Euan's Guide and the Glasgow Disability Alliance, disabled people were invited to test the sites and provide feedback.
- **Volunteers and workforce:** 88% of volunteers said they felt a part of the event and 89% said they felt proud to be a part of the Championships. When staff were asked about inclusivity in their workplace, 83% said they felt comfortable talking about EDI in their workplace and 84% said they could challenge and speak up where they don't think something is right. In the staff group, there was an increased level of EDI awareness, where 74% of staff committed to EDI learning and 54% of staff said they increased their understanding and awareness of EDI.
- **EDI Champions:** Event delivery partners nominated a member of staff to support implementation of EDI into the design and build of the venues for each event. Feedback indicates that EDPs were able to take away some positive learnings, knowledge and tools to apply to delivery of future events.
- **Free events** as an effective way of reaching new audiences: **Over 90% of attendances at events were non-ticketed** which meant greater access to watch and take part in events.
- **Community Cycling Fund:** Delivered in partnership between sportscotland, EventScotland (part of VisitScotland's Events Directorate) and 2023 UCI Cycling Worlds, the £1m fund aimed to support delivery of sustainable community cycling events and projects. It engaged local communities by creating a platform to encourage cycling with a focus on underrepresented groups as well as adding value to existing cycling initiatives, programmes, events and infrastructure (refer to section 4. Place, Objective 1 for more detail).

Commending the actions implemented by 2023 UCI Cycling Worlds to deliver on EDI goals, the ESG assessment from the UCI Sustainability Impact Tracker highlighted "exemplary measures to make the event accessible to people with disabilities" as well as the efforts to support the "feminisation of cycling in a sport that is still predominantly male" through activations to boost women's and girl's participation in cycling and the provision of free period products at venues, to name but a few examples⁵.

⁴ Source: Ernst & Young Socio-economic Impact Evaluation

⁵ Source: UCI Sustainability Impact Tracker ESG assessment

Case Study: Women on Wheels Cycling Festival

Women on Wheels are a women-led cycling group based in Glasgow, working to empower women of all backgrounds and abilities to become confident cyclists.

In August 2022, and in March and July 2023, with support through the Community Cycling Fund, they held three iterations of their Women on Wheels Cycling Festival in Glasgow's Queen's Park. Ideally located in the ethnically diverse Govanhill area, the festival aimed to reach out to women and their families in particular to encourage them to try cycling through a variety of fun and easily accessible activities. 'Learn to Ride' cycling lessons for complete beginners were on offer as well as guided rides for those who had cycled before but were looking to build more confidence in their abilities. Technical skills were taught during bike maintenance classes, for example covering how to fix punctures but also how to clean a bike. Arts and crafts activities were open to children and families with general outreach engaging passersby to inform them about the programme Women on Wheels run on a year-round basis. Extending the festival's offer, the July 2023 iteration also included playful cycling sessions for children. The festival was free of charge, removing any barriers to getting involved.

As a result, over 800 women participated in festival activities, some had never cycled before and some were keen to get back on their bike, empowering them to integrate cycling into their lives on a more regular basis through skills and confidence building. [Watch the video here.](#)



© Images: Women on Wheels



To reach the sustainability goals, the 2023 UCI Cycling World Championships set out to showcase the best of Scotland as a cycling nation as well as create safe places for the love of cycling to be celebrated.

Objective 1

Engage with new audiences to increase wider participation and advance Scotland as a cycling nation.

Activation

Through the vehicle of 2023 UCI Cycling Worlds, the opportunity was taken to showcase Scotland as a nation where cycling is and should be a primary method of travel. Showcasing the power of the bike to the general public and increasing participation was one of the key policy objectives. With an increase of uptake of cycling, cities, towns and villages become more inclusive, safe, resilient and sustainable as cycling is affordable, non-polluting, healthy and promotes a sustainable economy. The 2023 UCI Cycling World Championships helped unlock the power of the bike through activations before, during and after the Championships by partnering with the Scottish governing body for cycle sport, **Scottish Cycling**, as the official Activation and Legacy Partner to deliver the 'Ride the Worlds' programme.

Through a multi-faceted delivery model, Ride the Worlds provided young people from across Scotland, and their families, with the opportunity to connect to the Championships, experience the thrill of a UCI World Championship race and have a taste of racing themselves. Activities were aimed at inspiring and empowering them to start cycling, cycle more and make cycling a sport for life, delivering a long-lasting impact. **A total of 110 events were delivered across Scotland to 4,963 participants** against a target of 78 events to 4,000 participants. Across the whole Ride the Worlds programme there was a gender balance of 69% male riders to 31% female riders which is above the average across Scottish Cycling events⁶.

The four main programme components were:

- **Experience the Worlds:** An introduction to grassroots racing with coach-led racing focussed on fun. As well as introducing new riders to competition, Experience the Worlds helped to remove barriers to taking part in cycling. From races with Scottish Disability Sport categories, an event at the Loading Bay bringing together over 70 teenage girls, to educating groups on the importance of the environment we live and ride in with 'Trash Free Trails', this programme strand supported laying the groundwork for 2023 UCI Cycling World's legacy to be sustainable and lead our world to being a safe, fun and inclusive place for everyone to cycle and feel the power of the bike.
- **Race the Worlds:** A youth racing series in four disciplines (Mountain Bike Mini Downhill, Dirt Crit, Closed Circuit and Pump Track) with qualifiers taking place across the country. The four finals took place during event time at Championships venues and in surrounding areas, seeing many young riders trying competition for the first time.



- **Race the (Virtual) Worlds:** An Esports race series seeing online riders racing across former UCI World Championships courses, culminating in a series finale in the newly introduced Zwift Scotland map. The final took place on the same day as the UCI Cycling Esports World Championships.
- **On-Site Activations:** A variety of activations took place at Go-Live sites across Championship venues and surrounding areas. Delivered at eight sites over ten days to 1,825 participants, activities included 'Come and try Trials', adaptive bike rides, led rides, pop up pump tracks and much more.

⁶ Source: Scottish Cycling – Ride the Worlds Project Report

Scottish Cycling's 'Ride the Worlds' programme inspired people across the country through the power of the bike with the aim to develop a nation of cyclists, leading to a more sustainable and greener future for Scotland.



23 million Mile Challenge

To mark 100 days to go to the Championships, 2023 UCI Cycling Worlds in partnership with Love to Ride launched the 23 Million Mile Challenge in April 2023 which aimed at encouraging as many people as possible to collectively log their rides to reach the target of 23 million miles prior to the event. This call to action encouraged riders to be part of something bigger and helped individuals set goals, track their progress and contribute to a common target with the incentive of prizes to be won. Collectively, **a total of 23,201,812 miles were logged by participants**. This innovative way of encouraging participation helped engage a wide audience, from commuters to committed cyclists, and increased participation.

Education

The 2023 UCI Cycling World Championships collaborated with Education Scotland to create the Power of the Bike Design Challenge, a free education resource available to schools and community groups. The Design Challenge was a creativity and design project that explored innovative ideas and solutions to release the power of the bike for all.

Case Study: Education Scotland Hack Event

Getting more people on bikes every day was an aim of the 2023 UCI Cycling Worlds. In June 2023, this was a key motivator for school children from across Scotland as they gathered at the Emirates Arena and Sir Chris Hoy Velodrome in Glasgow for the Education Scotland Hack event. They participated in a Power of the Bike Design Challenge, had the opportunity to tour the Emirates Arena and undertook activities such as bike maintenance, pedal challenges and road safety training. The Design Challenge saw them pitching their designs to a panel of “Dragons”, presenting a video of their innovative ideas and answer questions to persuade the panel.



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Additionally, Glasgow Life created the Learning Through Cycling Pack in partnership with Glasgow City Council’s PEPASS (Physical Education, Physical Activity and School Sport) team. The Learning Through Cycling Pack aimed to inspire, educate and promote a life-long love of cycling amongst children across Glasgow. [The pack is available online](#) for schools to use nationwide. Combining a wide variety of both practical and knowledge-based multidisciplinary learning activities, it ensures children gain a broad understanding of cycling. All types and aspects of cycling are explored, including road, track and off-road (mountain biking, BMX), Active Travel highlighting the importance of sustainability and even the range of career opportunities in cycling.

Inspired By Projects

The power of the bike was felt across all 32 Local Authorities across Scotland as they have seen increased investment into cycling as a direct result of 2023 UCI Cycling Worlds Championships 'Inspired By' projects. These projects were delivered by 2023 UCI Cycling Worlds partners **sportscotland**, the Scottish Government, EventScotland and Scottish Cycling. An overview is included below:

The £8m **Cycling Facilities Fund**, made possible through a new £4 million commitment from the Scottish Government and £4 million from National Lottery funds, was delivered by **sportscotland** and Scottish Cycling. The fund is delivering a lasting impact by inspiring new and existing cyclists to make cycling a sport for life through investing in new or existing cycling facilities across the nation. To date, **sportscotland** has approved over £6m of investment for 45 community cycling and cycling hub projects across 19 Local Authority areas.

The **Community Cycling Fund** was delivered in partnership between **sportscotland**, EventScotland and 2023 UCI Cycling Worlds. The £1m fund aimed to support delivery of sustainable community cycling events and projects. Its aim was to engage local communities by creating a platform to encourage cycling with a focus on underrepresented groups as well as adding value to existing cycling initiatives, programmes, events and infrastructure.

The Community Cycling Fund was made up of two separate funding opportunities specifically targeting development activity and events. The event strand was delivered by EventScotland with additional financial support from Cycling Scotland. The ambition was to support community events across the country to celebrate the power of the bike and help create a national celebration of cycling in the run up to the Championships. The fund spanned two years and invested £350,000 into 57 events across 21 Local Authority areas.

The development strand was delivered by **sportscotland** in partnership with Scottish Cycling and the 32 Local Authorities. Investment of £320,000 supported 29 local authorities deliver a variety of cycling programmes and projects in 2023/24, with a similar investment committed for 2024/25.

In the run up to the Championships, Scottish Cycling launched the **Power of the Bike Club Activation Fund**. It was designated to create new or enhance existing activities which could give individuals the opportunity to experience different types of cycling in a club setting. 27 projects were funded across 25 clubs. Over £8,000 was invested and covered welfare provisions, coaching costs, marketing materials, facility hire and more.

Noting the range of activities undertaken, the UCI Sustainability Impact Tracker's ESG assessment highlighted that "The strategy implemented to maximize the legacy of the 2023 UCI Cycling World Championships is exemplary, particularly through initiatives aimed at introducing and encouraging audiences less familiar with sports participation"⁷.

Innovation in the Cycling Industry

Capitalising on the momentum of the 2023 UCI Cycling World Championships, the south of Scotland hosted [The Power of the Bike Innovation Summit](#) during the Championships attended by some of the biggest bike brands in the world and many Scottish businesses. A collaborative effort between South of Scotland Enterprise, Scottish Borders Council, Edinburgh Napier University and Developing

⁷ Source: UCI Sustainability Impact Tracker ESG assessment

Mountain Biking in Scotland, the Summit showcased how important the area already is and can become to the global cycling industry with its ambitions to attract inward investment across the innovation and technology sector, including a new National Mountain Bike Innovation Centre with a Bike Park and Living Trail Lab due to open in Innerleithen in 2025. Alongside a range of sessions discussing key challenges and opportunities, the event also saw the new Bike Innovation Scotland brand revealed as well as the launch the Strategy for Scottish Mountain Biking 2023 to 2025. The Strategy outlines a strong vision for Scotland to be leading European mountain biking and to continue to sustainably grow the economic contribution of mountain biking, increase participation, and help develop more future mountain bike stars to compete on the world stage. South of Scotland has since received the UCI Bike Region label for its commitment to both Elite cycling competition and cycling for all, but also investment in developing community cycling and related infrastructure and programmes.

Objective 2

Promote Scotland's natural and cultural heritage to visitors across all regions, raise awareness of sustainable and responsible tourism principles and support the development of inclusive tourism in Scotland.

The 2023 UCI Cycling World Championships, in collaboration with VisitScotland, played an important role in raising awareness of sustainable tourism principles; “causing as little impact as possible on a destination’s social and natural environment and fulfilling local economic needs while maintaining cultural integrity”⁸.

Spectator communications and guides included clear messaging in a dedicated ‘Respect, Protect & Enjoy’ section on how to visit responsibly. This was done through promotion of the Scottish Outdoor Access Code which offers advice on how to engage responsibly as well as promotion of the [sustainable travel section](#) on the VisitScotland website. Each venue spectator guide had a tailored section to promote the wider local area to spread awareness of Scotland’s beauty and history.

Additionally, the [Cycling Tourism Industry Guide](#) was developed by VisitScotland to ensure that any business could maximise opportunities of Scotland hosting the 2023 UCI Cycling World Championships, including development and knowledge building which could be applied beyond the event. The guide explored advice on how to prepare for cyclist visitors, add value to cycling tourists, market for cycling event visitors and further general advice on cycle tourism in Scotland.

⁸ UN World Tourism Organisation

Objective 3

Champion Scotland as a Good Food Nation with nutritious, fresh and environmentally sustainable products.

What we eat and how it is produced represents a vital pathway to tackling climate change, reducing pollution, restoring nature and improving people's health and well-being. As such, 2023 UCI Cycling Worlds were committed to the concept and goal of achieving the vision of Scotland as a Good Food Nation.

2023 UCI Cycling World Championships Good Food Charter

For spectators and athletes attending the 2023 UCI World Cycling Championships, it was important to have access to healthy food to support their energy levels, performance and overall well-being, whilst supporting local producers and businesses. To achieve this, the 2023 UCI Cycling World Championships Good Food Charter was developed. In asking them to sign up, 2023 UCI Cycling Worlds encouraged food vendors appointed by EPDs to adhere to the following principles:

- Everyone has access to fresh, fair, nutritious and affordable food, and ensuring there is a healthy and diverse choice which includes vegan and vegetarian healthy options on menus.
- Support growing and cooking food which brings communities together through events, festivals, community gardens and urban farming initiatives.
- Foster partnerships between local restaurants, institutions and farmers to promote the use of locally sourced ingredients.
- Promote multicultural food education to celebrate and respect different culinary traditions and dietary preferences.
- Support initiatives that focus on the development of healthy and sustainable recipes and encourage people to experiment with nutritious and flavourful ingredients.
- Reduce food waste through portion control and dispose of any excess produced in a way that's good for the environment and all stakeholders.

Food served at the Championships was encouraged to be locally sourced and seasonal to support local farmers and reduce carbon emissions associated with food transportation. It was suggested for EPDs to partner with local catering companies in an effort to enhance the event experience and to nurture our connection to the environment.

In pursuit of responsible food service, it was a requirement for food vendors to offer at least one vegetarian or vegan option. Vegan or vegetarian vendors were present at every venue to cater to diverse dietary preferences, contributing to reduced greenhouse gas emissions, water usage and resource consumption.



The 2023 UCI Cycling Worlds were successful in securing Lidl as Official Fresh Food Partner through a commercial partnership. Lidl are driven by freshness and place great emphasis on conscious and healthy nutrition. As Fresh Food Partner, they strived to draw attention to the benefits of cycling, helping people to lead an active and healthy lifestyle supported through balanced nutrition and fresh food. Alongside various activities including on-site activations, [a series of Youtube videos were released](#), putting a focus on sports nutrition linked to maximising performance for amateur and professional cyclists.



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Objective 1

Celebrate the Power of the Bike for taking action on climate change, air pollution and improving health and wellbeing.

Cycling is a symbol for decarbonising transport and societies, it offers the possibility for immediate climate action. The transport sector is currently responsible for nearly a third of global Greenhouse Gas (GHG) emissions, both directly and throughout the supply chain (e.g. fuel extraction and refining, vehicle manufacturing and infrastructure construction).

As highlighted by the [Partnership for Active Travel and Health \(PATH\)](#) in their [Make Way for Walking and Cycling](#) report, 50 billion tonnes of CO2 will be emitted by urban transport in the next 30 years if current motorisation trends are not reversed.

Walking and cycling are a cost-effective solution for dramatically cutting carbon and pollutant emissions on short trips, especially compared to car trips. Currently, 60% of all urban trips are shorter than 5km and a quarter are less than 1km, meaning they could be covered on foot or by bike. If adding in electric bikes (extending distance covered to 10km), the potential for active travel exceeds 75% of all urban trips in the world.

If the right conditions allow people to choose to ride a bicycle, more could take climate action to reduce emissions. Investments in bike and pedestrian pathways in urban areas can encourage more people to choose less GHG-intensive modes of transport like cycling. To that effect, 2023 UCI Cycling Worlds and its stakeholders were committed to promote sustainable travel, improve infrastructure and facilities and support increased access to bikes as well as education on cycling skills and carbon literacy.

The 2023 UCI Cycling Worlds promoted a hierarchy of [sustainable travel](#) to venues through its spectator communications. In the first instance, sustainable travel of walking and wheeling was encouraged, then cycling followed by public transport, car sharing and lastly the use of private cars where necessary. Spectator guides clearly outlined available modes of transport, signposting to more information and also outlined available facilities on venue such as bike parking.

Partners and stakeholders made significant investments into active travel as a legacy of the 2023 UCI Cycling World Championships. Transport Scotland committed to [investing almost £4million](#) into active travel across the country. As part of Scottish Government's £2m [2023 UCI Legacy Cycling Investment Programme](#), ScotRail unveiled new green signage, which will be installed throughout its fleet of trains to help guide cyclists to designated areas where they can safely board and secure bikes. Similar bright blue signage is also being implemented to highlight accessible carriages, ensuring inclusivity for all users. The ScotRail app is undergoing improvements to allow users to reserve cycle spaces through the app. Furthermore, the legacy fund will create Cycle Hubs at both Inverness and Fort William station to provide cyclists with secure bike storage and maintenance facilities. The cycle hub at Glasgow Queen Street will also undergo redevelopment to increase bike space available for cyclists.

The Scottish Government also confirmed a further £900,000 investment to [extend the Rock Up & Ride programme](#) delivered by Scottish Cycling. The scheme is part of the Scottish Government's commitment to providing access to bikes for school age children, who could otherwise not afford them. Rock Up & Ride was launched in 2021 and has run across eight regional sites, delivering a series of fun, free and easy to access sessions aimed at children aged 7-14 years. These sessions link directly to a cycling club, aimed at delivering a long-term, sustainable increase in cycling activity and subsequently behavioural change. This latest support will help to expand the offering to more sites across the country and allow the introduction of a new communities strand. This addition to the programme will allow Scottish Cycling to support community groups in deprived areas, giving both adults and children access to bikes, either on a permanent basis or via bike libraries.

Ahead of the event, Scottish Government also launched the [Active Travel Transformation Fund](#) which was set to provide £20 million directly to Local Authorities, Regional Transport Partnerships

and National Park Authorities – working in partnership with Transport Scotland – to deliver ambitious, construction-ready active travel infrastructure schemes across Scotland. As part of record active travel funding for 2023/ 24, this extra investment aimed to make walking, wheeling and cycling for everyday transport easier than ever before.

Objective 2

Eliminate emissions wherever possible to deliver a low carbon event contributing towards Glasgow and Scotland's Net-Zero goals aligned with the 1.5°C ambition of the Paris Agreement.

As a short-lived event, it was a priority for the 2023 UCI Cycling World Championships and partners to reflect Glasgow and Scotland's net-zero ambitions by providing data and insights for future events.

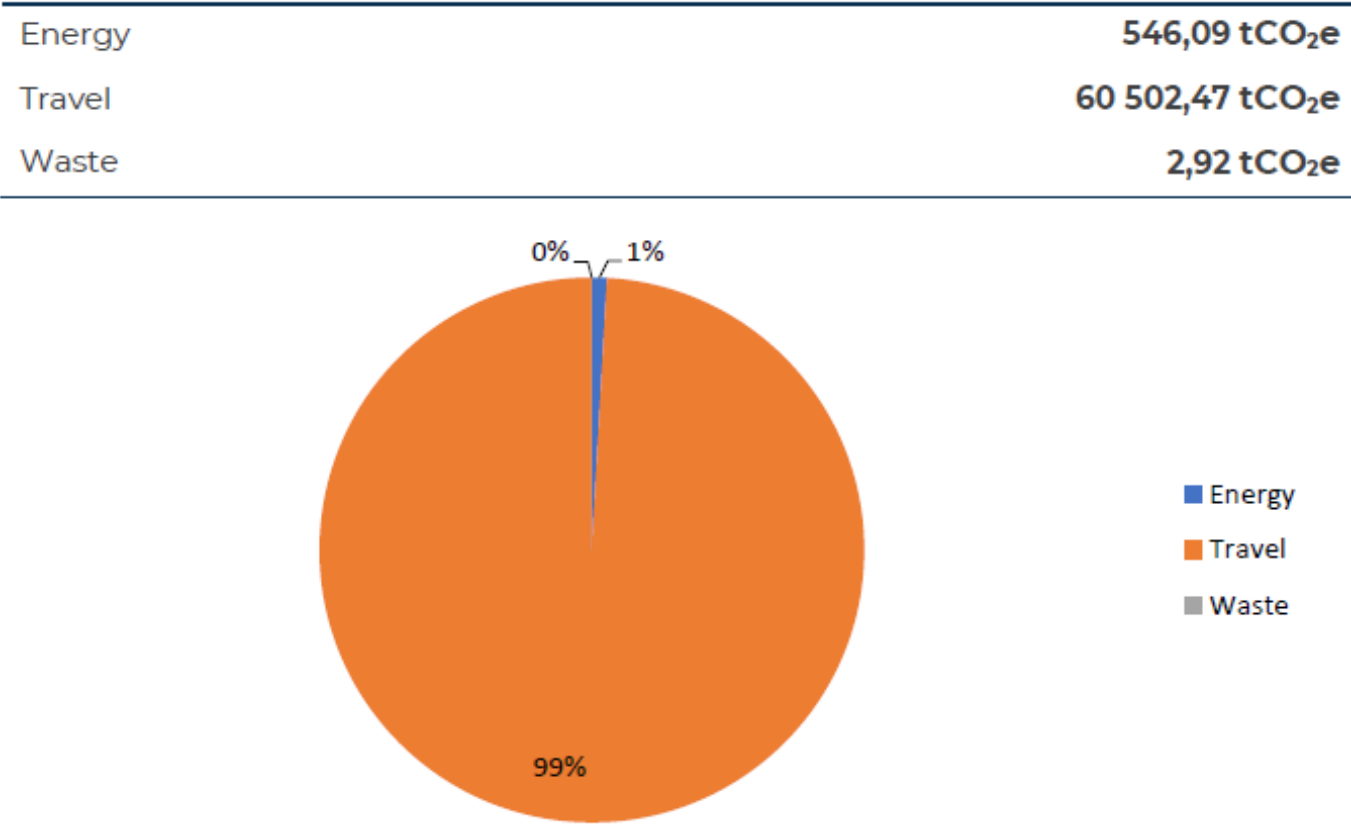
The 2023 UCI Cycling World Championships aimed to be a vehicle to set the pace of climate action throughout the events sector and businesses in Scotland. Key to this was as far as possible providing a transparent account of the event's environmental impacts and effectiveness of interventions by measuring its carbon footprint.

The 2023 UCI Cycling World Championships were the first event to use the new UCI Sustainability Impact Tracker to collate and analyse Greenhouse Gas (GHG) emission data. With the support of tool provider Global Climate Initiatives' (GCI) platform, this benchmark data will directly benefit the next combined UCI Cycling World Championships in Haute-Savoie in 2027 and other major sporting events in Scotland and the UK.

Based on available data (refer to Appendix 1 for methodology, scope and assumptions), the total carbon footprint of the 2023 UCI Cycling World Championships calculated via the UCI Sustainability Impact Tracker amounted to 61.1 ktCO₂e. Results can be broken down by Scope as follows:

Scopes	Results
Scope 1: direct GHG emissions	341,00 tCO ₂ e
Scope 2: Indirect emissions linked to energy	96,31 tCO ₂ e
Scope 3: Other indirect GHG emissions	60 614,17 tCO ₂ e

The below graphic shows the results grouped according to the different categories defined in the UCI Sustainability Impact Tracker:



The 2023 UCI Cycling Worlds Sustainability Framework addresses known ‘hotspot’ emission sources that can be influenced most effectively throughout the event’s value chain, including energy use, waste and transport. The following sections provide more insight into each.

Energy

Renewable energy priorities are essential for a sustainable and environmentally responsible future. The Sustainable Procurement Code outlines the requirement for Event Delivery Partners to consider and use the least polluting energy source as a first option for temporary and mobile power supply e.g., Mains supply, Hydrotreated Vegetable Oil (HVO), E10 Biofuel, battery back-up and solar. Maximum use of mains power, where appropriate, consists of a high percentage of renewable sources (57% of all electricity generated in 2021 in Scotland was from renewable sources, 87.8% was from low carbon sources⁹).

The UCI Sustainability Impact Tracker’s energy category includes emissions from stationary (energy consumption of buildings and fixed equipment) and mobile (energy consumption of mobile equipment) energy sources related to Scope 1:

- Stationary source energy - Fuels: 248,772.02 kgCO₂e
- Stationary source energy - Electricity: 127,842.06 kgCO₂e
- Mobile source energy – Fuels: 169,478.31 kgCO₂e

⁹ Source: [Scottish Energy Statistics Hub \(shinyapps.io\)](https://shinyapps.io/scottish-energy-statistics-hub/)

A mix of traditional Type V and battery back-up with Type V generator support was used by all partners with the exemption of Glentress using exclusively Hydrotreated Vegetable Oil (HVO) Type V generators with battery back-up.

Due to the large scale of the event, it became apparent that availability of battery back-up, portable generators and the supply with HVO fuel was a particular limiting factor for suppliers and EDPs as was cost of HVO fuels.

Waste

Sporting events can generate significant waste from concessions and fan activities. The 2023 UCI World Cycling Championships were committed to a holistic approach to sustainability that embraced circular procurement, lifecycle management, waste prevention and the waste hierarchy. It was recognised that these principles are not only vital for reducing environmental impacts but also for achieving economic and social benefits. These principles were also embedded in the Sustainable Procurement Code.

Delivery partners and suppliers were asked to comply with the Scotland Single Use Plastic regulations which ban single-use items such as plastic cutlery, plates, straws and beverage stirrers; food containers, cups and other beverage containers made of expanded polystyrene, including their lids.

This proactive measure not only contributed to reducing the environmental impact of operations but also set an example for sustainable practices that protect natural surroundings and support a cleaner, healthier future. 2023 UCI Cycling Worlds were committed to working collaboratively with partners to ensure compliance and to drive positive change in line with local Scottish regulations and global sustainability efforts.

Where waste was generated, emphasis was put on reuse, recycling and recovery, ensuring that disposal was the last resort for all parties. Actions to avoid waste altogether were prioritised, for example by the EDP managing the Stirling and Dumfries and Galloway venues asking on-site suppliers to minimise their waste and not to bring anything which may end up in landfill.

All EDPs strived to adhere to the requirements for waste management and circularity contained within the principles of the Sustainable Procurement Code. Whilst a "zero-waste" goal was adopted, we aimed to divert over 90% of the waste associated with the event from landfills.

Some venues introduced composting programs for organic waste, while others focused on collecting and recycling beverage containers. Examples include:

- Sale of single use plastic water bottles was discouraged – it was suggested spectators should bring their own bottles.
- Re-usable cup schemes were in use at Glentress and Stirling venues. The Stack-cup scheme at Glentress resulted in the hiring of 18,000 cups with spectators receiving a reusable cup by paying a £1 deposit which was refunded upon return.
- Implemented waste stations: Clearly labelled and coloured bins were installed at all venues to promote recycling, both front and back of house.
- Separation of organic waste for later composting.
- Application of low-level staff support and the use of external facilities management companies to aid with waste separation and segregation.

- Use of e-bikes to assist with waste collection and sorting on site at Nevis Range.

Data reported by EDPs put the waste generated at 139 tonnes¹⁰ equivalent to 2,923.58 kgCO₂e.

It was found that 82% general waste went into recycle recovery and energy recovery (incineration), mainly at the Glasgow Recycling & Renewable Energy Centre and other Scottish based centres. This percentage included a proportion of food waste which was composted via anaerobic digestion. 16% was Dry Mixed Recycling including plastics, cardboard, and metals. 2% was Contaminated Waste and sent to landfill, this included mainly glass and other contaminated waste (general waste contaminated with food waste).

Further action could have been taken to lower carbon emissions from this source, for example by working with a waste sorting specialist to improve recycling rates and reporting, or a requirement for all on-site catering providers to commit to a process of collecting organic waste with a view to minimising food waste.

Water

Water conservation at a large sporting event such as the 2023 UCI Cycling World Championships is crucial for minimising environmental impact and promoting sustainability. It is also important to ensure there is alignment between any requirement to save water and the minimisation of the use of single use plastics and the generation of waste.

Banning the use of single-use plastic bottles was encouraged and contained within the Sustainable Procurement Code. This was important for several compelling reasons:

- Single-use plastic bottles contribute significantly to plastic pollution as they often end up in landfills, rivers, and oceans where they harm the environment.
- Banning single-use plastic bottles reduces the demand for plastic production which is resource-intensive and contributes to carbon emissions. Reducing production combats climate change.
- The production of plastic bottles requires the extraction of oil and natural gas, both finite and non-renewable resources. A ban conserves these valuable resources.
- The energy required to manufacture, transport and dispose of plastic bottles is substantial. By banning single-use bottles, energy is saved, and carbon emissions are reduced.
- In environmental sustainability, banning single-use plastic bottles demonstrates a commitment to reducing environmental impact and sets an example.

A top-up tap solution backed by portable water bowser was provided at venues without existing top-up stations, namely at Nevis Range, Stirling, Glentress and in Dumfries and Galloway.

Limited data on volumes has been collated (implementing measures to reduce water consumption as well as monitoring consumption was identified as an area for improvement) but portable bowser capacities were 20,000 litres. It is estimated that 100,000 litres were purchased to ensure the top-up tap provision across all venues. Top-up facilities were also used at Glasgow Green and Knightswood using hydrant connection solutions.

¹⁰ No data for Fort William available.

Transportation and Mobility

Mobility was a key pillar of the 2023 UCI World Championships. Promoting eco-friendly mobility and transportation was not only beneficial for the environment but also enhanced the overall event experience for all those taking part.

A sustainable transport hierarchy strategy was employed for transportation planning and decision-making to prioritise the most environmentally friendly and sustainable modes of transportation. It encouraged reducing reliance on single-occupancy vehicles and promoting more sustainable alternatives, e.g.:

- Walking and Cycling
- Public Transportation
- Carpooling – Car- and Ride-sharing
- Hybrid Vehicles & Electric Vehicles (EVs)
- Traditional, internal combustion engine vehicles - ICE
- Park-and-Ride Facilities: These were set up at multiple venues including Fort William, Glentress and in Glasgow

The sustainable transport hierarchy provided guidance to individuals, communities and organisations to make informed choices to help them prioritise modes of transportation with lower environmental and social impacts:

- Promotion of the sustainable transport hierarchy, widely communicated through communication channels and spectator venue guides.
- Pedestrian-friendly zones: City centre and remote venues.
- Use of cargo bikes at venues for transport and to collect waste for sorting and recycling (Fort William and Glentress).
- 45% of the vehicle fleet were EV or hybrid.
- Provision of over 50 Brompton bikes, 30 Ridgeback bikes and 5 Sunbelt EV bikes for staff use during the event – 35% of workforce vehicles.
- Provision of secure bike parking facilities at venues.
- Official Fresh Food Partner Lidl organised Dr Bike mechanic sessions at ten of their stores across Scotland in July 2023, offering customers free bicycle health checks.

Promoting eco-friendly transportation choices not only reduced the event's environmental impact but also aligned with global sustainability goals and set an example for large-scale sporting events worldwide.



Mobility and transportation emissions measured (2022 – 2023):

- Business travel: 470,811.74 kg CO₂e¹¹
- Spectator travel: 59,610,733.15 kgCO₂e

Spectator travel makes up the largest portion of 2023 UCI Cycling World's carbon emissions by far. Data in this category is particularly difficult to capture as many events during the Championships were unticketed (e.g. Road Race). However, to understand the full carbon impact of major international events, this category should be considered and 2023 UCI Cycling Worlds has therefore made an effort to provide an insight into spectator travel impacts based on several assumptions:

- **International spectator travel – long- and short-haul flights:** Data has been estimated based on ticket sales where the buyer location was indicated as outside the UK. International travel for non-ticketed events is not included in calculations. Flight data is based on the [WebFlyer website](#), therefore air mile distances are approximate and based on data provided by multiple sources. This mileage calculator is meant to aid in air mileage estimation and may be the actual miles recorded by airlines. The distances themselves have been estimated based either on the capital city or busiest airport of respective countries and their distance to Glasgow. It has been assumed that each flight is a return, based on one ticket sold is representative of one individual travelling.
- **Domestic spectator travel – car, rail, ferry, bus, active travel:** Data has been estimated based on survey responses from the Ernst & Young Socio-Economic Impact Evaluation Report and has not been scaled up for total spectator figures. Travel data (excluding ferry) is derived from Transport Scotland's "[Transport and Travel in Scotland 2022](#)". As the data supplied is limited, public transport has been recorded twice to include both bus and train. Each journey has been recorded as a return, with passenger vehicles based on the average vehicle emissions factors. Ferry travel is based on the [Belfast to Cairnryan route](#). This route has been chosen as while there is likely to be an element of domestic ferry travel, there is no way of estimating international

¹¹ Business travel using transport vehicles not owned or controlled by 2023 Cycling Worlds.

travel from the EU or beyond, therefore this greater distance will allow for a capture all. Each journey has been recorded as a return.

Accommodation

The 2023 UCI World Championships were committed to transparency and accountability in sustainability efforts which extend beyond immediate operations. In an effort to minimise environmental impact, the significance of Scope 3 emissions has to be acknowledged, particularly those related to hotel accommodation during this large sporting event which was attended by over 7000 athletes and associated officials and sponsors.

Scope 3 emissions encompass indirect emissions associated with the event but occur in sources not owned or controlled by 2023 UCI Cycling Worlds. Hotel accommodation for participants, spectators and staff are a crucial component and 2023 UCI Cycling Worlds recognise the hidden environmental footprint which may result from energy consumption, water usage, waste generation and transportation to and from these establishments.

Accommodation is considered in Scope 3 'Business Travel', data captured does not include independent bookings made by partners, teams and National Federations:

- Accommodation: 400,327.20 kgCO₂e¹²

As the UCI Sustainability Impact Tracker's ESG assessment recommended, giving consideration to environmentally friendly criteria for accommodation provision could have helped reduce the carbon footprint in this area but was also limited by available hotel stock, especially in more remote locations such as Fort William or Glentress.

Materials & Supply Chain

2023 UCI Cycling Worlds' commitment to minimising environmental impacts included rethinking material needs and embracing sustainable practices at every opportunity as choices in sourcing, utilising and disposing of materials have a profound effect on the planet. To this end, 2023 UCI Cycling Worlds adopted the Sustainable Procurement Code and a Circular Material Policy to guide its approach to material management.

The Sustainable Procurement Code outlined the commitment to sourcing materials responsibly. This included renting materials whenever possible to reduce waste, sourcing materials from sustainable and ethical suppliers and prioritising reusable and recyclable options in all purchases.

In line with the Sustainable Procurement Code, efforts were made to actively seek materials that were sustainably sourced, durable and had the potential for reuse. Covering merchandise, branding materials or event infrastructure, the focus was on procuring materials which could be repurposed or recycled after their initial use, contributing to a circular economy. To provide an evidence base for sustainable sourcing and use of materials, specific data on suppliers and items procured should be collected, for 2023 UCI Cycling Worlds this was a data gap. Increasing the weighting for sustainability considerations in tender evaluations could have helped generating a greater focus throughout the tendering process.

¹² Data includes 2023 Cycling Worlds staff, EDPs and other bookings made through the appointed accommodation provider for obligated client groups.

Incorporating digital tools in various aspects of event planning and execution, such as ticketing, communication and event management, resulted in a significant decrease in reliance on printed materials and physical resources. This not only streamlined operations but also aligned with sustainability goals.



Commitment to digitalisation extended to areas like ticketless entry, electronic communication and reducing paper-based marketing materials. Innovative technologies were embraced to enhance the event experience while reducing waste and conserving valuable resources. Examples include:

- Event promotion took place without printing or distributing materials wherever possible.
- Encouraging rental amongst suppliers to reduce environmental footprint by actively prioritising renting furniture and materials, such as infrastructure, where possible. When rental was not feasible, any items produced were designed with reuse in mind.
- Sharing of infrastructure between events e.g., large screen hire (transfer from Fort William to Stirling) and stage scaffolding structures.

Digital marketing played a central role throughout the 2023 UCI Cycling Worlds, with a significant emphasis on engaging with global audiences through social media platforms, notably LinkedIn, Instagram, TikTok and Facebook. A robust digital marketing strategy allowed 2023 UCI Cycling Worlds to reach and connect with sports enthusiasts, cycling fans and event participants on a global scale. Social media platforms became vital channels for sharing event updates, live coverage and engaging content that showcased the spirit of the Championships. Digital marketing extended beyond promotion—it inspired, connected and brought the excitement of the Championships to a worldwide audience.

Due to the timescale and resource availability, it has not been possible to measure the emissions associated with merchandising or branding procured by the 2023 UCI Cycling World Championships, a point which could be improved upon. A certain proportion of branding will have been reused, recycled or returned, for example branding such as pop-up banners was passed on to Scottish Cycling for future use in their activities.

Procurement of Uniforms - Purchased for staff and volunteers with support from sponsor Kukri:

- 6,120 Rain Jackets
- 12,150 Polo Shirts
- 5,400 Bags



No lifecycle analysis or carbon foot-printing information was provided by the manufacturer, this element is therefore not included in carbon footprint calculations. However, the average carbon footprint of a cotton t-shirt manufactured in China is 7 kg CO₂ equivalent (kgCO₂e)¹³ which would equate to 85,000 kgCO₂e – 85 tonnes kgCO₂ for the T-Shirts.

2023 UCI Cycling Worlds was acutely aware of the critical importance of supply chain visibility and ethical sourcing. The commitment to delivering a world-class event was inseparable from ensuring the well-being of those involved in the production of event materials, including clothing, and upholding the highest standards of social responsibility.

Suppliers were an integral part of the event's success and 2023 UCI Cycling Worlds worked closely with them to ensure that the supply chain was characterised by transparency, ethical practices and safe working conditions.

Visibility of the source manufacturers for merchandising and uniforms was sought by requesting copies of any ethical audits which had been carried out on them. SMETA (Sedex Members Ethical Trade Audits) audits were provided and reviewed.

¹³ Source: carbonfact.com

Objective 3

Implement best practice and innovate to become a model for future events in Scotland and around the world.

In alignment with 2023 UCI Cycling Worlds' ambition to champion sustainability best practice and encourage innovation in setting an example for future events, several initiatives were implemented.

2023 UCI Cycling Worlds underlined its ambition to be a leader in environmental innovation and sustainable development in sport by becoming a signatory of the [United Nations Sport for Climate Change Action Framework](#) in 2021. The pledge involved supporting the five key principles of the Sport for Climate Action Framework to not only deliver an event that has sustainability at its core but also to use the platform of a global event as a catalyst for change.

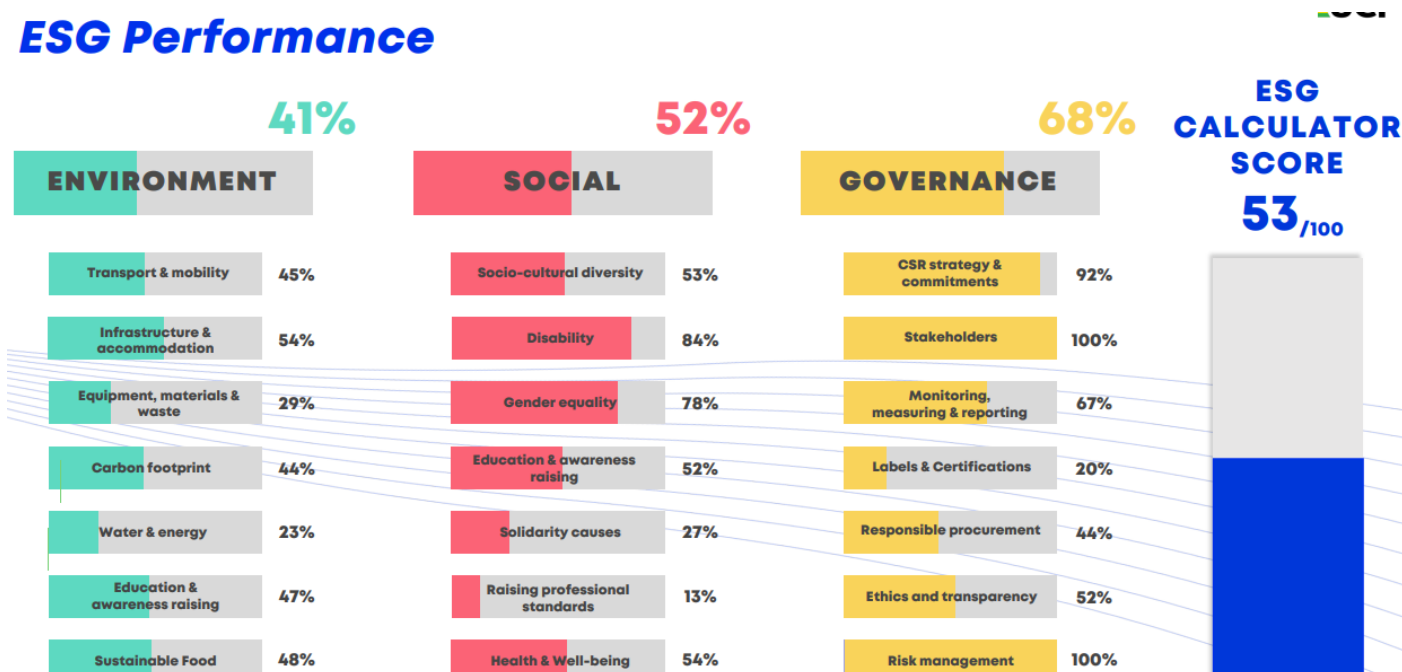
In 2022, 2023 UCI Cycling Worlds signed up to the [UCI's Climate Action Charter](#) alongside 80 founding signatories, publicly committing to reducing cycling's environmental impacts, advancing the United Nations Sustainable Development Goals and promoting everyday cycling. This included committing to measuring 2023 UCI Cycling Worlds' carbon footprint, promoting active travel and the role of the bicycle in combating climate change, implementing sustainable procurement and prioritising low carbon transport to name a few examples.

Both the principles outlined in the UN Sport for Climate Action Framework and the UCI Climate Action Charter were inherently embedded within the organisation's mission, vision and objectives as outlined below. Delivering against these principles and objectives was actioned via the Sustainability Framework, Sustainable Procurement Code and wide-ranging activities outlined throughout this report:



In addition to measuring its carbon footprint (see section 5. Planet, Objective 2), 2023 UCI Cycling Worlds committed to a voluntary Environment, Social and Governance (ESG) assessment mapped against the UN Sustainable Development Goals as implementation of best practice and to set a benchmark for reporting for future iterations of the Championships, other major event organisers across Scotland and the UK, governing bodies and so forth. The assessment was carried out via the UCI Sustainability Impact Tracker. 2023 UCI Cycling Worlds were the first organisation to utilise this tool since it was made available in August 2023, it is hoped that our experience can inform further improvement and development.

The overall ESG score given based on the data and evidence submitted by 2023 UCI Cycling Worlds was 53 (out of a possible 100). The measurement is structured into three topics (Environment, Social and Governance), each subdivided into themes and then indicators. This result ranks in the top 5% of all events measured using this ESG assessment methodology, reflecting the scope for further improvement of sustainability practices in the wider events industry but also highlighting the challenges in achieving a “perfect score” while delivering on often competing priorities.



In addition, the ES assessment carried out via the UCI Sustainability Impact Tracker identified that 2023 UCI Cycling Worlds contributed to 14 out of 17 UN SDGs, demonstrating the wide range of activities undertaken and underlining our commitment to a sustainable approach to event delivery.

14/17 SDGs affected by commitments



Objective 4

Showcase Scottish nature, the pressure biodiversity faces and its importance for climate adaptation.

Biodiversity

2023 UCI Cycling Worlds recognised the profound connection between the event and the natural world that surrounds us.

The 2023 UCI Cycling World Championships was a mega event which brought together 13 UCI World Championships for the first time across ten host venues. The venues ranged from existing fixed infrastructure (Emirates Arena, Sir Chris Hoy Velodrome and Glasgow BMX Centre), urban (Glasgow city centre, Edinburgh, Dumfries and Galloway, and Perth) and remote countryside locations (Nevis Range in Fort William, Tweed Valley and Glentress). Biodiversity concerns and monitoring applied in particular to Nevis Range and Glentress. Mountain biking in these sensitive areas has the potential to cause damage if not properly managed and controlled. This means recording and understanding the flora and fauna, preventing damage occurring, improving biodiversity where practicable through management and mitigation and communicating such valuable work to the participating public to raise awareness is of particular importance.

The Nevis Range, which hosted the Mountain Bike Downhill competitions on the mountain of Aonach Mor, lies within various conservation designations such as the Ben Nevis Site of Scientific Interest (SSSI) and the Ben Nevis and Glencoe National Scenic Area (NSA). Consequently, these areas are under constant surveillance with annual audits taking place to ensure that hill walking and mountain biking access is managed accordingly. Audits include assessment of general access, reinstatement of worn or scuffed areas, repairing of turfed areas and prevention of invasive species. Despite Aonach Mor being an SSSI site, general access by the public is allowed but it was through ongoing management and

careful management of access during event time (confined to the start, finish and gondola line) that spectator damage could be minimised and mitigated.

Glentress is located in Scotland's Tweed Valley. It is one of the country's leading mountain bike destinations with more than 80km of trails for riders of all abilities. As well as the mountain biking community it is a popular spot for hiking and a haven of wildlife – not least its breeding Ospreys. It is also known for its stunning views of the Tweed Valley.



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In preparation for the Championships, Forestry and Land Scotland's (FLS) Glentress Masterplan involved carrying out extensive surveys of wildlife in areas where construction was to be undertaken. Quite apart from the osprey, they worked to protect the resident bats, badgers, red squirrels, otters, and reptiles. More than 1,000 hours were spent monitoring, surveying and recording ecology and environmental constraints to accommodate the Masterplan and 2023 UCI Cycling Worlds. As a result, some trails were re-routed to protect wildlife. FLS planted seed sacks on new bridges and used trees brought down by Storm Arwen to create one of the areas of the mountain bike course, aptly named Arwen Avenue.

All visitors to both venues were instructed to help protect local wildlife and fauna by practicing biosecurity measures and adhering to the 'Keep It Clean' guidelines for the 2023 UCI Cycling World Championships through spectator communications.



5. CONCLUSION

The 2023 UCI Cycling World Championships embarked on an ambitious journey to make sustainability an integral pillar of the organisation's policy, mindset and operations.

This journey was not without its challenges, as it required to define sustainability ambitions, identify the most critical and yet achievable areas of focus for the organisation and determine where 2023 UCI Cycling Worlds could make the most meaningful impact as mapped out in the Sustainability Framework and Action Plan. This was undertaken whilst operating in a challenging environment of COVID-19, geo-political inflationary pressures and constrained budgets.

2023 UCI Cycling Worlds' commitment to sustainability went far beyond being a mere checkbox exercise, it was a core value which shaped decisions and actions. The fact that **86% of stakeholders felt the Championships were delivered in an environmentally responsible way** is testament to this¹⁴. The Championships set ambitious targets for an event of its size and scale, especially given it was the first time this mega event combining 13 individual UCI World Championships had been delivered. There were many positive initiatives that have the potential to extend the event's impacts far beyond 2023,

¹⁴ Source: Ernst & Young Socio-Economic Impact Evaluation Report.

and while not all objectives were fully achieved, sustainability was kept high on the agenda and the commitment to measure the Championships' impact was fulfilled.

We also understand that sustainability is not a one-time achievement but rather a journey. We were and continue to be committed to paving the way for a more responsible and eco-conscious approach to hosting large-scale sporting events alongside our partners and stakeholders. We are hopeful that other event organisers will join us on this journey and can learn from our successes as well as our challenges.

6. ACKNOWLEDGMENTS

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VisitScotland
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EDP Sustainability Champion network

Rare Management Ltd
Sweetspot Group Ltd
Glasgow Life
Enduro Sports Organisation Ltd
Golazo Cycling Ltd
Pennine Events Ltd

7. APPENDICES

Appendix 1: Carbon Footprint Methodology

Greenhouse Gas (GHG) emission tracking for the 2023 UCI Cycling World Championships was undertaken via the UCI Sustainability Impact Tracker. Following entry of data collected by 2023 UCI Cycling Worlds by sustainability experts into the tracker tool, a GHG Emission Inventory Report for the Championships was produced with key findings reflected in this Sustainability Report.

The platform complies with the Grenelle II Law of 12 July 2010 (France), the ISO 14064-1 Standard and the “Base Carbone®” (France). This enables the evaluation of GHG emissions to be extended to Scope 3 according to the chosen framework. For the purpose of producing the GHG emission inventory for the 2023 UCI Cycling World Championships, the ISO 14064-1:2018 norm framework was chosen. The emission factors used for the GHG assessment of the different emissions items for the concerned activity are provided by “Base Carbone®”.

The organisational perimeter used to define whether or not to account for all the entities that relate to its structure (subsidiaries, establishments spread over other sites, activities for which the structure is responsible, etc.) is “Operational control”: The report takes into account 100% of the emissions from the facilities it operates, regardless of whether it is a tenant or an owner.

The operational perimeter corresponds to the categories and items of emissions related to the activities of the organisational perimeter. The aim is thus to define the sources of emissions to be taken into account in the report. The main international standards and methods define three types of emissions called “Scope”. All standards require that Scopes 1 and 2 be taken into account. The operational perimeter can therefore be defined by the list of Scope 3 items taken into account in the GHG inventory report. 2023 UCI Cycling Worlds chose to report the following items for Scope 3:

- Downstream Transportation and Distribution
- Customer and Visitor Travel
- Business Travel
- Purchased Goods
- Disposal of Solid and Liquid Wastes

The temporal perimeter chosen was broadly the period of operation for 2023 UCI Cycling World Championships – 2021-2023.

The GHG Report is based on data collected by 2023 UCI Cycling Worlds on its own emissions as well as those of EDPs which was entered into the tracker tool. Once entered, the following calculation is performed, except when the associated GHG emissions are entered directly by the organisation:

GHG emissions = activity data x corresponding emission factor

To achieve maximum quality, credibility and accuracy in carbon footprint calculations, the carbon calculator follows the accounting and reporting principles established by Base Carbone®.

Emission factors used - sources

The GHG emission factors essentially come from the source UK Government GHG Conversion Factors for Company Reporting database.

Uncertainty associated with activity data

Uncertainties related to the activity data can be allocated by the user of the GHG Report according to the quality of the data. Uncertainty must be set based on empirical and realistic thresholds relating to real situations in quantified values.

Considering the uncertainties in activity data and assessing their effect on results can help organisations identify priorities for improving the quality of these data.

Data in scope

Due to the Hub and Spoke delivery model where external Event Delivery Partners (EDPs) were contracted to deliver individual events, 2023 UCI Cycling World Championships Ltd (the Hub) was reliant on EDPs to capture, record and submit data on their emissions. All efforts were made to consistently collate data from all EDPs alongside those data sets within the control of 2023 UCI Cycling Worlds (i.e. own office buildings, employee business travel and accommodation or vehicles). Collected data includes:

- **Energy:** Usage in office space (kWh, litres) and on venue per fuel type (gas, diesel, electricity, etc.).
- **Aircraft Fuel:** Relay aircraft and Cinceflex Helicopters used during races, fuel consumption based on flight schedules.
- **Staff and EDP Travel & Transport:** Distance travelled (km), transport type (car, rail, train, air, bus, coach, taxi etc.).
- **Accommodation:** Number of nights and guests per obligated client group (e.g. staff, EDPs, host broadcaster, UCI staff etc.) for bookings made through contracted accommodation providers.
- **Waste:** Data captured by 2023 UCI Cycling Worlds and EDPs by waste category (e.g. metals, plastic, paper & card, general etc.), waste treatment (e.g. incineration, recovery for recycling, landfill etc.) and weight (kg). No data available for Fort William.
- **Spectator Travel:** Data based on ticketing report (ticket buyer location) and Ernst & Young Socio-Economic Impact Evaluation survey (transport type). Refer to section 5. Planet, Objective 2 for detail.

Data out of scope

Some areas are considered out of scope due to a lack of reliable quality data being available:

- Volunteer travel data such as transport type and distance.
- Competitor travel data such as transport type and distance.
- Spectator travel: Limited data available, an approximation for some spectator categories has been undertaken as outlined in section 5. Planet, Objective 2.
- Accommodation: Independent bookings made by partners, teams and National Federations are not included.

The following Scope 3 items were not calculated:

- Employee Commuting

- Upstream Transportation and Distribution
- Use of other services
- Use of assets
- Use stage of sold products
- Downstream leased assets
- Investments
- End of life stage of sold products
- Capital Goods

Appendix 2: ESG and UN Sustainable Development Goals Performance Assessment Methodology

2023 Cycling World Championships Ltd committed to a voluntary Environment, Social and Governance (ESG) assessment mapped against the UN Sustainable Development Goals (UN SDGs) as implementation of best practice and to set a benchmark for reporting for future iterations of the Championships. The assessment was carried out using the UCI Sustainability Impact Tracker. Following data entry by 2023 Cycling World Championships Ltd, a full ESG assessment report was provided. Key findings from this are included in this Sustainability Report.

261Pi, the tool provider, is the international SaaS impact measurement platform specialising in Sport and Entertainment. The solution enables anyone to measure and analyse their ESG (Environment, Social and Governance) performance.

The measurement is structured into three topics (Environment, Social and Governance), each subdivided into themes and then indicators. Each of the three topics is mapped against applicable UN SDGs. There are two types of indicators: input indicators relate to the actions or resources implemented, and output indicators relate to the results obtained.

The measurement approach is justified: each answer given during measurement must be associated with a piece of evidence. There can be no commitment without proof of commitment. If there is none, the response is considered null and void. This evidence is then checked and analysed by experts, including an assessment panel.

The measurement then makes it possible to list all the commitments and actions carried out during the event, to steer the sustainability strategy by collecting data, to assess ESG performance, to identify the structuring commitments and opportunities for action to be taken with a view to continuous improvement. This puts measurement at the service of building positive and valuable impact.

OBJECTIVES

- Compile all **commitments** and **actions** taken.
- Drive **sustainability strategy** through data collection.
- Assess event's ESG performance.
- Structure a **long-term strategy**, engage in **continuous improvement process**.
- Identify **strengths** and **areas for improvement** as an event organiser.

STRUCTURE



INDICATORS

- **Input** indicators (resources needed for the implementation).
- **Outcome** indicators (results obtained for the actions taken).

NB: For some results indicators, the score is awarded according to:

- Data collection for year 1;
- Evolution of data in year 2 and beyond (in the case of regular measurements).

PIECES OF EVIDENCE

- **Mandatory** to validate a response to an indicator.
- Valid if: **reliable, relevant** and **representative**.
- If absent, **response invalidated** and considered null (= 0).
- **Checked and analysed** by our experts.

2023 UCI Cycling Worlds ranks in the top 5% of all events measured by the tool provider 261Pi. Other events measured can be categorised as follows:

- 47% are international events, of which 44% are Major International Sporting Events (with more than 5000 participants)
- 42% are national sporting events (e.g. French Championships)
- 11% are regional events
- 90% of the measured events are sporting events, of which 22% are cycling events

Appendix 3: Sustainable Procurement Code



Appendix 4: Hub and Spoke Delivery Model

The new 'Hub and Spoke' delivery model sought to provide an efficient and cost-effective approach to event delivery by leveraging the event industry's ability to supply experience and readymade solutions, reducing the scope and complexity for Organising Committees and therefore promoting efficiency. The model set out to:

- Make the best use of existing skills and experience across all partners and the Scottish and international commercial sector to deliver a world-class cycling event and broader policy benefits across Scotland.
- Maximise the economic benefits to Scotland by engaging local event staging suppliers where possible.
- Adopt a leaner delivery model, demonstrating that mega events can be delivered without a central Local Organising Committee (LOC).
- Incorporate a 'local feel', encouraging greater ownership and engagement of local partners.

While the 'Hub' (2023 Cycling World Championships Ltd) retained responsibility for the delivery of central functions such as commercial and policy planning or national operations, 'Spokes' (i.e. Event Delivery Partners – EDPs) took on responsibility for the operational planning and delivery of one/multiple disciplines.