



University
of Glasgow

A UNIVERSITY *for* THE WORLD

OUR COMMITMENT TO THE
UNITED NATIONS' SUSTAINABLE
DEVELOPMENT GOALS

WORLD
CHANGING
GLASGOW

CONTENTS

Sustainability in a snapshot	2
Purpose	4
Goal 1: No poverty	6
Goal 2: Zero hunger	8
SDGs in action: A strong partnership	10
Goal 3: Good health and well-being	12
Goal 4: Quality education	14
SDGs in action: An inclusive approach to innovation	16
Goal 5: Gender equality	18
Goal 6: Clean water and sanitation	20
Goal 7: Affordable and clean energy	22
Goal 8: Decent work and economic growth	24
SDGs in action: A haven for our peregrine falcons	26
Goal 9: Industry, innovation and infrastructure	28
Goal 10: Reduced inequalities	30
Goal 11: Sustainable cities and communities	32
SDGs in action: Meet robot guide dog	34
Goal 12: Responsible production and consumption	36
Goal 13: Climate action	38
Goal 14: Life below water	40
SDGs in action: Cancer research collaboration	42
Goal 15: Life on land	44
Goal 16: Peace, justice and strong institutions	46
SDGs in action: Driving sustainable change	48
Goal 17: Partnerships for the goals	50
Looking ahead	52

INTRODUCTION

For 573 years the University of Glasgow has been changing the world; from pioneering innovations and inventions to inspiring generations of students to use their knowledge and skills as a force for good.

Since our institution was founded all those years ago, we have made great progress in further widening access to education and we have committed to transforming our Gilmorehill estate, investing around £1.5bn in recent years to create thriving new spaces for collaboration and learning.

Of course, education is a major vehicle for reducing inequality, offering opportunities for better paid jobs and creating pathways to positive destinations. However, addressing inequality goes beyond education. It's important to ensure we are directly tackling the root causes of inequity: poor health; environment; socioeconomic inequalities; and discrimination. Locally, we remain resolutely focused on improving outcomes for communities across our city region, driving inclusive economic growth through the Glasgow Riverside Innovation District and addressing stubborn inequalities through our broad portfolio of research.

Nevertheless, the work we do as a University must transcend this. The very fabric of our societies relies on having strong institutions

which stand with those most marginalised, and we can only be a great civic institution if we are a great global institution.

Through the 17 UN Sustainable Development Goals (SDGs) we have a collective mission across our University to use our science, research, innovation, teaching and community action to effect change at a local and global level. We must work together to take an all encompassing approach to address the major challenges facing the world, from racial injustices and gender inequality to disease and poverty, climate change and food insecurity.

I'm grateful to each and every member of our community who has played their part so far in supporting us to achieve the 17 UN SDGs. Going forward we will use our role as an anchor institution to forge closer local connections and to build new global, interdisciplinary partnerships based on equity and a shared commitment to the SDGs.

Professor Sir Anton Muscatelli
Principal and Vice-Chancellor



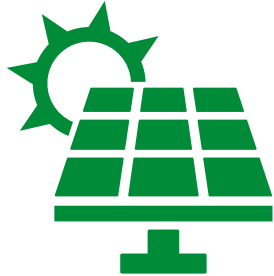
SUSTAINABILITY IN A SNAPSHOT

12th
in the
world

in the THE
Impact
Rankings.

20th
in the
world

out of 1,400
universities in
the QS World
Sustainability
Rankings.



We have enough power from photovoltaic panels to **charge 35,000 mobile phones** for a year.

10,000+

We have **supported** more than **10,000 pupils** through **summer schools** and **widening participation programmes** in **160 secondary schools** across the west of Scotland.



We have been a member of the Athena SWAN Charter since 2011.



We planted **20,000 trees** over **11 hectares** of **Cochno Farm**.



We are a **Disability Confident** employer and offer a **guaranteed interview** for applicants.

£10.2m

In **partnership** with **Glasgow City Council** our **£10.2 million** research programme **GALLANT** is helping the city move towards **climate resilience** while **tackling health, social and economic inequalities**.

£4.4bn

Our economic contribution to the UK economy has been valued at around **£4.4 billion**.

We are a proud **Accredited Living Wage** employer.



27,000m²

Our **Keystone Building** will be our **most sustainable building**, aiming to achieve **'BREEAM Excellent'** certification, along with **ambitious energy use targets**, when it opens in **2028-29**.



Last year we harvested enough rainwater to fill **5 Olympic swimming pools**.

PURPOSE

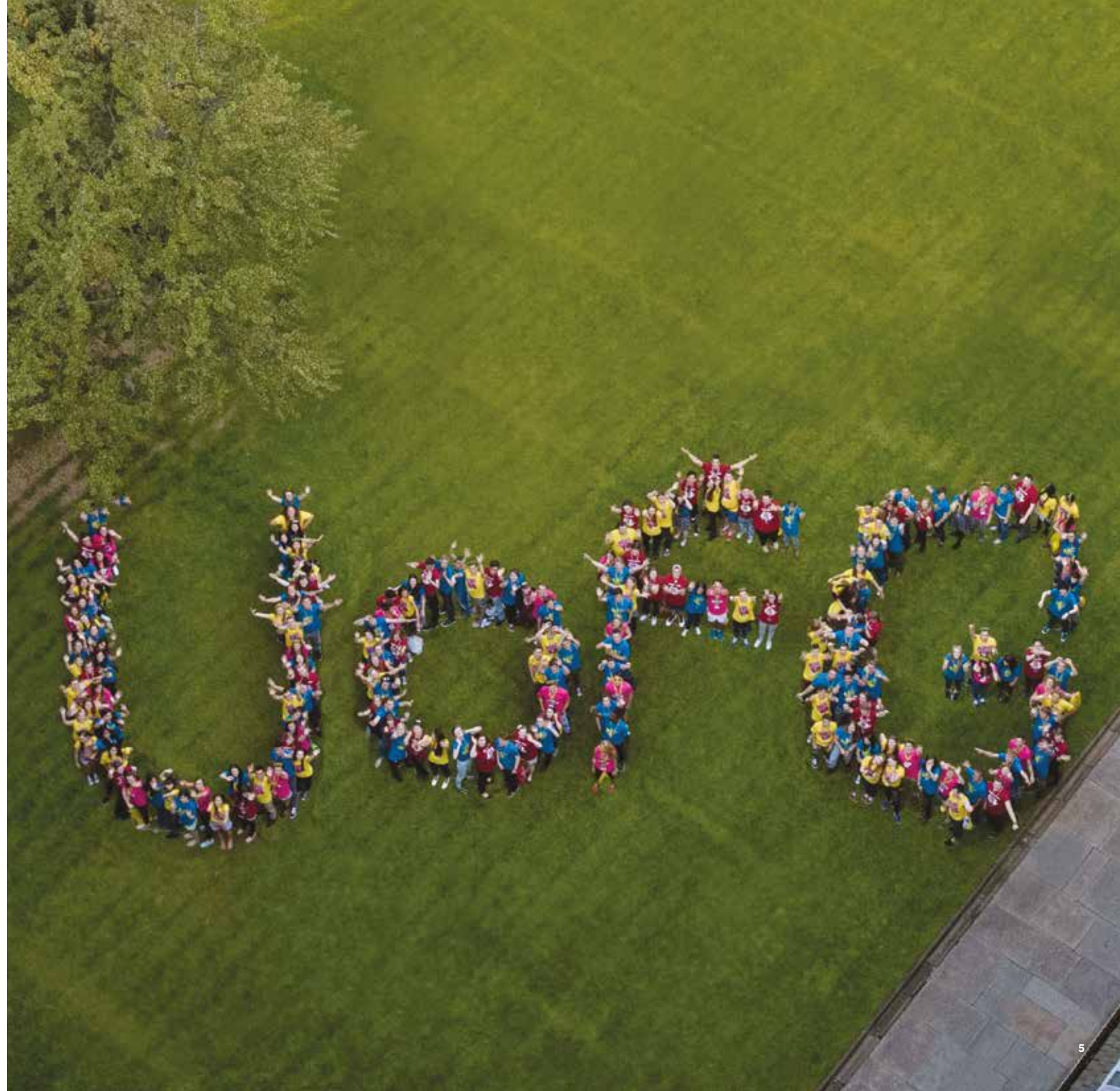
Our 2024 report is our fourth annual publication, intended to provide an update on some of the work and activity that has been taking place across the University of Glasgow to contribute to the United Nations' Sustainable Development Goals.

We continue to look at four areas of activity:

- Research
- Learning and teaching
- University operations
- Civic engagement.

We are immensely proud of the commitment, dedication and innovation shown by every part of our community. This report was produced and steered by Economic Development, Planning Insight & Analytics and External Relations. Thanks go to colleagues in these directorates for their help and guidance in producing this document, as well as to colleagues across the University for their valuable input.

#TeamUofG





End poverty in all its forms everywhere



The University offers 30 social and public policy programmes across a wide range of single and joint honours programmes, including one LLB with Scots law.

OUR RESEARCH

The University of Glasgow has received a share of £9.7 million of funding from UK Research & Innovation (UKRI) to tackle regional disparities across the UK.

The funding of nearly £2 million over 35 months will support the Partnership for Change trial, a randomised controlled trial of Infant Parent Support, a co-produced poverty- and neurodiversity-aware mental health intervention aiming to support struggling families.

The funding is just one of 17 funded projects announced by UKRI aimed at ensuring everyone in the UK has a path to economic success and personal wellbeing, regardless of where they live.

The Partnership for Change trial – co-led by Professor Helen Minnis and her team in the University's School of Health & Wellbeing, and Matt Forde, UK Partnerships & Development Director at the NSPCC – will involve around 180 families in Glasgow and London with children aged from birth to five years old, and aims to reduce the risk of abuse or neglect.

LEARNING AND TEACHING

The University is a leader in degree programmes that provide an advance standard of future-proof education for students from their early days of study in order to maintain

lifelong learning. The University is renowned for its social and public policy programmes; the teaching team was awarded the Social Policy Association/Policy Press Outstanding Teaching Award 2020, in recognition of the excellence and innovation in teaching social policy in the UK.

Social and public policy programmes focus on addressing global and societal challenges such as social inequalities, technology and sustainability. The programmes employ an interdisciplinary approach encompassing ideas from political science, sociology and economics to understand and engage how governments shape their responses to address welfare and wellbeing needs of the people they serve. Throughout the programmes there are work placement opportunities with voluntary or public sector organisations, helping to expand and deepen the knowledge and practical experience of students.

Currently the University offers 30 social and public policy programmes across a wide range of single and joint honours programmes, including one LLB with Scots law. The degree programmes provide many of the analytical, literary and teamwork skills that many employers are looking for. Our graduates pursue careers as managers, professional and policy analysts in the private, voluntary and public sectors within institutions, central and local governments across the country and around the world.

UNIVERSITY OPERATIONS

In 2024, the University launched the Glasgow Riverside Innovation District Civic Grant Fund. Through this initiative, the University is investing up to £5,000 per application for projects that will make a positive community, civic or social impact. Applications can also be made to a GRID Civic Micro Grant Fund, which is open all year round, and provides up to £850 to support smaller scale projects.

Both funds were established in recognition of some of the truly exceptional people and groups working hard to address issues within their community and to support them to continue to make a positive impact. Through the operation of the funds, the University hopes to learn from, and continue to build relationships with, local people as well as community anchor organisations to support long-term community development.

We are also keen that our students can make a positive contribution, and will develop the programme to include student internships that can support the application and evaluation process for the second phase.

CIVIC ENGAGEMENT

The University provides a wealth of civic involvement, engaging in the local community and with policymakers at a local, regional and

national level. While measures to alleviate poverty are vital for the success of the SDGs it is also important that institutions play the part they can in policymaking.

Established in 2017, the UK Collaborative Centre for Housing Evidence (CaCHE) is led by the University of Glasgow and funded by the Economic & Social Research Council and the Arts & Humanities Research Council. CaCHE brings together a consortium of eight partners in higher education and non-academic institutions to create a leading evidence centre on housing research that convenes experts from various disciplines to create a rich and diverse community of practice. The centre fosters collaboration, knowledge exchange and engagement with policymakers, practitioners and researchers, and produces evidence and new research that contribute to tackling the UK's housing problems at a national, devolved, regional and local level.

A recent report, co-authored by CaCHE, alongside the Chartered Institute of Housing Scotland, the University of Stirling, StudentCrowd, the Edinburgh Student Housing Co-operative and Slurp Edinburgh (Students for Action on Homelessness) highlights the impact of homelessness on our student population in Scotland. The report for the Cross Party Group on Housing says there is a severe student housing crisis in cities including Edinburgh, Glasgow and Dundee and calls on the Scottish Government to take immediate action to tackle the issue.



End hunger, achieve food security and improved nutrition and promote sustainable agriculture



The Scottish Alliance for Food aims to understand and address the complexity of food systems, helping bridge the gap between food producers, scientists and consumers.



OUR RESEARCH

In this century, food security and the need to develop sustainable agriculture will become dominant issues affecting the whole world. The global population is projected to increase dramatically from 7 to 9 billion in the next 30 years, causing an unprecedented demand for food and increased pressure on land.

The Scottish Alliance for Food (SCAF) launched in August 2023, brings together different perspectives from social, natural, formal & applied sciences and arts & humanities to understand and address the complexity of food systems, helping bridge the gap between food producers, scientists and consumers.

The alliance promotes an environment of collaboration and shared responsibility to formulate and tackle critical emerging research questions linked to how to build a better food future for all, addressing the combined imperatives of improving health, sustainability and equity. Developing greater visibility of the food research and innovation capacity in Scotland is vital. SCAF showcases best practices, know-how and expertise, capitalising on the shift to Scotland becoming a Good Food Nation and emerging funding opportunities in that space, within and beyond Scotland. SCAF is centred around four key research themes: Mapping the food system; Innovation-led food systems research; Culture, heritage & behaviour; and Food security, environment & community.

A new report released by the World Health Organisation Regional Office for Europe reveals alarming disparities in the health of young people across the region, with those from less affluent families disproportionately affected.

Dr Jo Inchley from the University's MRC/CSO Social & Public Health Sciences Unit was the International Coordinator of the Health Behaviour in School-aged Children survey from 2015 to 2024. The survey monitors the health behaviours and social environments of almost 280,000 boys and girls aged 11, 13 and 15 years from 44 countries in Europe and Central Asia.

The report reveals a concerning link between socio-economic status and unhealthy dietary habits, with adolescents from lower-income families more likely to consume sugary drinks and less likely to eat fruits and vegetables daily.



LEARNING AND TEACHING

Our Food Security postgraduate programme offers a comprehensive education in food security, delivered by experts in diverse fields. It covers key topics such as demographic, social and economic issues, the challenges of sustainable agriculture and the factors influencing food production from both crops and animals. Accredited by the Royal Society of Biology, it helps fulfil the academic requirements for Membership and Chartered Biologist

status. Students gain hands-on experience through guest lectures, site visits and practical laboratory work in molecular biology and genetic modification. The programme also emphasises technology transfer, commercialisation and investigative project work, fostering critical thinking and the ability to integrate information from various sources.



UNIVERSITY OPERATIONS

Cochno Farm is a 200-hectare research farm located near Clydebank. It plays a key role in supporting the University's School of Biodiversity, One Health & Veterinary Medicine. The farm is integral to teaching, research and innovation in agricultural sciences, offering a hands-on learning environment for students studying veterinary science, agriculture and related disciplines.

The farm is home to a variety of livestock, including sheep, cattle and pigs, which are used for practical demonstrations and research into animal health, nutrition and welfare. Cochno Farm also has a wide range of crop production, which supports studies in sustainable agriculture, land management and food security. The farm's research focuses on improving agricultural practices, with particular emphasis on sustainability, biodiversity and animal health.

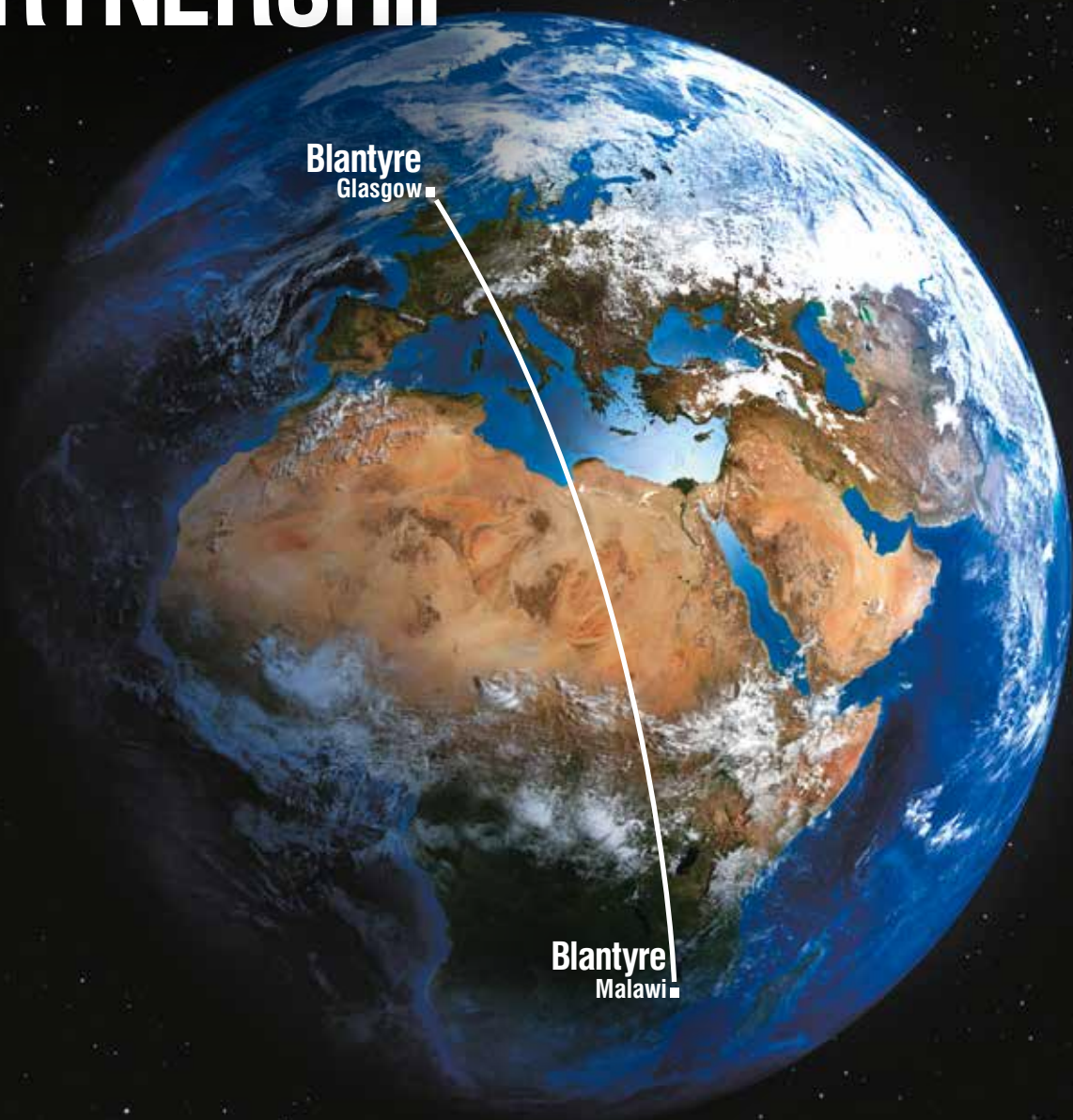
Students at the University benefit from access to Cochno Farm for fieldwork and research projects, gaining practical experience that complements their academic studies. In addition, the farm collaborates with industry and government bodies, making it a hub for knowledge transfer and innovation in agriculture and veterinary science. Cochno Farm's resources and expertise contribute to advancing agricultural research and education, promoting sustainable farming practices in Scotland and beyond.



CIVIC ENGAGEMENT

The University's Mary's Meals Society aims to raise awareness and funds for Mary's Meals, a Scottish-based charity dedicated to providing a daily school meal to some of the poorest children in the world. The University society runs a number of events each year, including an annual ceilidh, bake sales, raffles and Burns' nights to help fundraise for the charity. In Malawi, Zambia and Zimbabwe, Mary's Meals serves children steaming mugs of vitamin-enriched porridge, helping them to learn and grow. The University society's Porridge Week, where members eat only porridge, beans and rice for a week as these are the staple foods that Mary's Meals provide, raised over £950 this year, enough to feed 49 children for an entire year.

A STRONG PARTNERSHIP



Blantyre
Glasgow

Blantyre
Malawi



While Glasgow in Scotland and Blantyre in Malawi might be almost 8,000 miles apart, many core values are shared by both our universities: the pursuit of knowledge; a desire for a more sustainable and equitable future; and a collegial approach.

The Blantyre–Blantyre project was developed through a two-way discussion of need, expertise and complementarity between the University of Glasgow and the Kamuzu University of Health Sciences. This symbiotic partnership has produced a joint healthcare programme to compare the cause of poor health and low life expectancy in Blantyre, Malawi, and the West of Scotland, symbolised by Blantyre in Scotland, and a state-of-the-art research facility, based in the institution.

Today, that facility houses cutting-edge research and diagnostic equipment previously unavailable in the area. It hosts researchers and postgraduate students from the global south and the global north, working together on joint research and grant applications. The laboratory runs on a solar-powered energy system, ensuring continuity of power in an area where power cuts can be frequent. The excess power from this green energy solution is distributed to the Kamuzu University of Health Sciences' main campus in Blantyre.

This project aligns with several of the United Nations' Sustainable Development Goals and was highlighted by the European Commission as an example of best practice in partnership work that addresses the goals. Our collaboration is inspiring other global networks to redefine what a truly equitable research partnership looks like. Critically, the information gleaned through this mutual partnership will serve to improve health in both nations.



Ensure healthy lives and promote well-being for all at all ages



Our researchers are transforming bowel cancer screening in the UK by developing a diagnostic tool that uses AI to predict which patients will develop pre-cancerous lesions (polyps) and tumours.



OUR RESEARCH

Researchers at the University of Glasgow are transforming bowel cancer screening in the UK by developing a diagnostic tool that uses artificial intelligence to predict which patients will develop pre-cancerous lesions (polyps) and tumours.

Bowel cancer screening detects tumours and polyps in patients without symptoms, identifying cancers early when they're easier to treat successfully.

Currently, all patients found to have polyps are scheduled for repeated colonoscopies, meaning that many people undergo unnecessary and invasive procedures.

In collaboration with the NHS and Scottish tech companies, the University-led Integrated Technologies for Improved Polyp Surveillance (INCISE) £3.37 million project will identify patients who would benefit the most from further colonoscopies so they are seen earlier, and any cancer can be treated sooner.

INCISE will combine polyp tissue and data from the NHS Greater Glasgow & Clyde Scottish Bowel Cancer Screening Programme to train algorithms that predict patients' future risk. Researchers will combine information about specific changes in the polyp's structure with new analysis of the genetic mutations that cause polyps to grow.

A national report, carried out every four years in collaboration with the World Health Organisation, presenting data on adolescent health and wellbeing, has provided a special focus insight into young people's mental health in Scotland. The latest report also enables comparison of adolescent health and wellbeing before and after the COVID-19 pandemic.

The 2022 Health Behaviour in School-aged Children study in Scotland provides data on the health and wellbeing of the nation's young people and was led by researchers at the University's MRC/CSO Social & Public Health Sciences Unit and the School of Medicine at the University of St Andrews. The report was commissioned by Public Health Scotland.



LEARNING AND TEACHING

The Byres Community Hub has been the home of the University's School of Health & Wellbeing since 2022. It is the gateway to the University's west end campus as it is based on the site of the old Glasgow Western Infirmary Hospital. It brings researchers from six different research groups together to foster opportunities for crossdisciplinary work.

The Byres Community Hub holds interactive exhibits, temporary research exhibitions, research talks/seminars on health-related themes, opportunities to get involved in research such as patient and public involvement

and lived experience panels, networking events with other community organisations and researchers, and meeting space available to local organisations.



UNIVERSITY OPERATIONS

We strive to make the University a place where all colleagues feel balanced, respected, trusted and supported. To this end, we recently launched a Colleague Wellbeing Strategy and an accompanying Health & Wellbeing Hub online. Our strategy recognises the different kinds of wellbeing – social, financial, physical, mental and spiritual – and the Hub provides practical support, contact information and material in each of these areas.

An estimated 1.9 million people in the UK were experiencing long COVID as at March 2023. We are still learning about this new condition and ways to support colleagues as they adjust to managing this condition and its impacts.

Colleagues at the University can attend informal sessions which aim to bring together those living with long COVID and all its different forms, and share experience and tips on how to adopt new work-life patterns.



CIVIC ENGAGEMENT

Homelessness is a life plagued by uncertainty and insecurity and a dog can provide much needed companionship to people experiencing hard times. The Trusty Paws clinic has been set up by University of Glasgow students to provide care to dogs of homeless people in Glasgow.

The monthly clinics provided by Trusty Paws give people the opportunity to have regular check-ups for their pets.

Local vets from across the city, along with lecturers from the University's Vet School, volunteer their time to oversee the clinics, allowing the students to gain invaluable practical clinical experience.

4 QUALITY EDUCATION



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



The Museums in the Metaverse project will empower online visitors to explore vast cultural assets in engaging new ways, enable curators to create new content and explore models of use to support sustainable economic and cultural growth.



OUR RESEARCH

The Museums in the Metaverse project – funded by the UK Government’s Innovation Accelerator programme, led by Innovate UK on behalf of UK Research & Innovation – builds on Scotland’s reputation for cultural regeneration and innovation by creating a groundbreaking Extended Reality (XR) Culture and Heritage platform.

One side of the platform is for visitors to gain access to a rich array of museums, sites, objects, and novel and dynamic experiences. The other is for virtual curators to build enriching and entertaining storytelling using objects and virtual environments that have never been placed together in the real world.

The project will empower online visitors to explore vast cultural assets in engaging new ways, enable expert and novice curators to create new content, and explore models of use to support sustainable economic and cultural growth.

It will harness the University’s global reputation for research in digital cultural heritage and XR, together with key cultural heritage and immersive technology partners, to develop an innovative solution to constraints that can limit physical museum exhibitions to less than 10% of the objects held in collections, and limit audience reach by cost, distance and accessibility.



LEARNING AND TEACHING

The Top-Up Programme is a preparation course for higher education for pupils who are currently applying for, or are considering applying for, higher education courses in university or college. The programme helps pupils prepare for higher education and equips them with the key skills needed for successful study in higher education. The programme is facilitated by postgraduate tutors who deliver in-school or online sessions over the course of several weeks. Pupils also attend a campus session at the University or take part in an online or on-campus workshop.

SWAP, the Scottish Wider Access programme, is spearheaded by Glasgow. It offers adult students with little to no qualifications opportunities to study. Full-time SWAP Access courses run in colleges across the West of Scotland, providing valuable routes of entry into a wide range of degrees offered at the University, such as arts, social sciences, teaching, life sciences, physical sciences and engineering.

The University’s Widening Access team is working in partnership with educational charity IntoUniversity, providing educational support to 7- to 18-year-olds from two of the most deprived areas of Glasgow. The programmes running in Govan and Maryhill support young people’s progression into higher education. The University works closely with local schools, Glasgow City Council and other agencies to offer a programme of after-school academic support, mentoring with University students and local professionals, in-school workshops and work experience opportunities



UNIVERSITY OPERATIONS

With the world increasingly fraught with tension and conflict it is vital that we provide a level playing field for all who wish to study. As a result, we actively encourage asylum seekers and refugees to apply to degree programmes at the University. We also highly encourage and support such students through the application process for the University’s Sanctuary Scholarship. The scholarship is awarded to 30 students in the UK who have faced hardships as the result of conflict or displacement. The scholarship covers the cost of studies for the duration of the chosen programmes and an additional stipend of £5,000 is also provided to cover the extra cost of studies undertaken by asylum seekers and refugees.



CIVIC ENGAGEMENT

The University has been awarded a Queen’s Anniversary Prize for Higher Education for the work of the world’s leading centre for the study of Scotland’s national poet, Robert Burns. The award to the University is in recognition of the range and impact of the projects undertaken at the Centre for Robert Burns Studies, chiefly ‘Editing & Curating Burns for the 21st Century’.

The Queen’s Anniversary Prizes celebrate excellence, innovation and public benefit in work carried out by UK colleges and universities. The prizes – which showcase the positive impact

of research on education, the economy and wider society – are the highest national honour awarded in UK to further and higher education institutions and are granted every two years. They are run by the Royal Anniversary Trust, an independent charity.

Most museums are monuments to a system that privileges some people over others and creates a narrative about the identity of nations or cities that institutions seek to project and protect. Museums hold collections from donors who benefited from the practice of racial slavery, violent endeavours, forced removal and the systematic oppression of indigenous peoples. Museums are political places.

‘Curating Discomfort’ was developed by the Hunterian, our University museum & art gallery, to address historic power imbalances within the museum and across all our activities. ‘Curating Discomfort’ puts forward disconcerting provocations and interventions to help us to understand that museums have perpetuated ideologies of white supremacy; a political, economic and cultural system in which white western ideas control the power of the texts, the material resources and the actions that continue to underpin notions of cultural superiority.

Glasgow’s work to redress its historic links to slavery through a significant programme of reparative justice helped it to secure University of the Year at the Times Higher Education Awards 2020.

AN INCLUSIVE APPROACH TO INNOVATION



Glasgow Riverside Innovation District (GRID) is an ambitious partnership between the University of Glasgow, Glasgow City Council and Scottish Enterprise to accelerate an inclusive approach to innovation.

At its heart is a drive to develop opportunities, skills, facilities and the cultural fabric of the city by investing in sustainable high-tech industries and infrastructure, while working alongside and understanding the needs of communities within GRID.

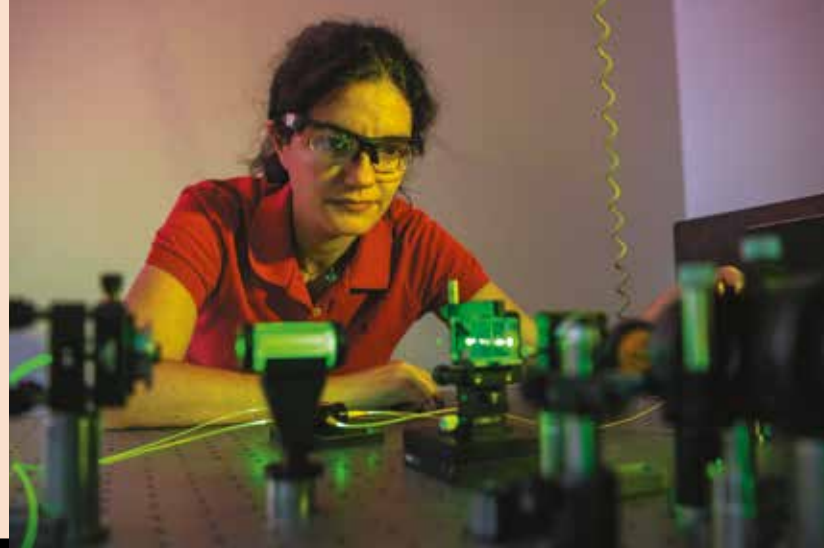
In 2024, the University launched the GRID Civic Grant Fund. Through this initiative, the University is investing up to £5,000 per application for projects that will make a positive community, civic or social impact. Applications can also be made to a GRID Civic Micro Grant Fund, which is open all year round, and provides up to £850 to support smaller scale projects. To date, we have awarded support to 23 projects (17 grants and 6 micro-grants)

Both funds were established in recognition of some of the truly exceptional people and groups working hard to address issues within their community and to support them to continue to make a positive impact. Through the operation of the funds, the University hopes to learn from, and continue to build relationships with, local people as well as community anchor organisations to support long-term community development.

Critically, we want to learn from, and continue to build relationships with, local people as well as community anchor organisations to support long-term community development.



Achieve gender equality and empower all women and girls



The Women Researcher's Enterprise Network is at the forefront of championing women-led research and innovation to ensure the potential for real-life societal impacts can be fully realised.



OUR RESEARCH

The Re-Framing the Picture report is published by the Gender Equity Analysis project, a pioneering study of gender equity policy in the film industries of Germany, the UK and Canada.

Using comprehensive quantitative analysis of industry data, policy analysis and interviews with industry experts, the project drives meaningful change and fosters inclusion in the global film sector. Innovative social network analysis of industry data compared current networks and modelled 'what if' scenarios. The report also includes analysis of the 34 film industries supported by the Eurimages fund.

The project team leads include academics from Film University Babelsberg KONRAD WOLF, Germany; University of Glasgow; University of Alberta, Canada; and University of Rostock, Germany; in addition to a researcher from Deakin University, Australia.

This work was supported by the Economic & Social Research Council; the Deutsche Forschungsgemeinschaft (DFG – German Research Foundation) under Sixth Open Research Area for the Social Sciences; and the Social Sciences & Humanities Research Council.



LEARNING AND TEACHING

The EPSRC-funded Centre for Doctoral Training in Diversity-Driven Mission-Led Research is a new doctoral training opportunity at the University, focused on bringing together diverse teams to tackle interdisciplinary, mission-driven challenges at the forefront of research. This training provides an opportunity for those keen to use their STEM knowledge to make a difference, and carry out postgraduate research in a different way. It invites individuals to break barriers and redefine what is possible. Our innovative Centre for Doctoral Training model prioritises diversity, creating an inclusive space for varied talents to produce transformative interdisciplinary research.



UNIVERSITY OPERATIONS

WREN is the Women Researcher's Enterprise Network at Glasgow. It aims to be at the forefront of championing women-led research and innovation to ensure the potential for real-life societal impacts can be fully realised.

Women make up only 30% of leadership roles in the UK; this network will be a stepping stone towards empowering women to help create a more equal society. Our programme hosts a series of speakers, including women

researchers who have founded companies and those who have commercialised their research via other mechanisms. The programme also aims to provide a principled space which thrives on respect, discussion, support and collaboration, where opportunities can be showcased and training support provided.

This network is not exclusively for researchers who intend to set up a business; the intention is for women researchers to join the network and have the chance to consider ways in which their research might be developed into innovative products or services of use to industry or wider society.

The Menopause & Hormonal Changes Policy represents one of the University's initial steps in raising awareness of menopause and hormonal changes, reducing the stigma around discussing these experiences, and encouraging colleagues to request adjustments and/or support.

The policy includes evidence-based resources created by Menopause Information Pack for Organizations (MIPO), a research-based, free, open-access suite of resources to help workplaces support menopausal transition. MIPO's UK-based lead is Professor Kat Riach, Adam Smith Business School. University of Glasgow.



CIVIC ENGAGEMENT

The Ada Scotland Festival celebrates its fifth year of championing gender balance in tech and computing, providing inspiration for our young people and building a stronger, fairer, more diverse workforce of the future.

The festival was founded in 2020 with sponsorship from the Scottish Informatics & Computer Science Alliance, Morgan Stanley and VeryConnect, as well as support from the University's School of Computing Science, Edinburgh Napier University and dressCode.

Having been established during the pandemic, the festival was originally delivered entirely online. It has since grown to include in-person events in Glasgow, Edinburgh, Dundee, Aberdeen, Inverness and the Borders. The 2024 Festival was sponsored by Barclays and ran from 1-11 October at venues across Scotland, as well as online. Dr Matthew Barr, School of Computing Science, is the Festival's director and Anna Doyle, Computing Science Administration, is Festival manager.



Ensure availability and sustainable management of water and sanitation for all



An international study will enhance resilience in the Bangladesh Delta, one of the world's most vulnerable deltas to global climate change.

OUR RESEARCH

An international study led by the University of Glasgow is the first to define a safe operating space for major rivers in the Bangladesh Delta, which will enhance resilience in one of the world's most vulnerable deltas to global climate change.

Researchers at Glasgow, Bangladesh University of Professionals and Bangabandhu Sheikh Mujibur Rahman Agricultural University and Riverine People, found that four out of ten rivers in the Bangladesh Delta exceeded the safe operating space and that the majority of river flow has been significantly altered, with the remaining six rivers given cautious status.

The study shares valuable scientific evidence that will inform science and policy related to transboundary water, and contribute to the achievement of Sustainable Development Goals in Bangladesh and South Asia.

Professor of Environmental Engineering, William Sloan, and his team are working on a solution to enable those in rural communities to improve water security and benefit from sustainable off-grid technologies to deliver clean water and sanitation.

Some 35% of the world's population, most of whom live in rural communities, lack access to either safe drinking water or improved sanitation.

The team will harness the bioprocessing power of microorganisms, where microbes consume the pollutants in water and break them down into less harmful products, to deliver clean drinking water and treat wastewater in rural communities using low-energy, sustainable, off-grid technologies. Working together with Scottish Water to improve water security, these communities include the islands of Barra, Jura and Arran; rural communities in Thailand, Mexico and Brazil have also been identified.

LEARNING AND TEACHING

Environmental geoscience is the study of the interaction between natural and anthropogenic processes and environments. It focuses on working towards a sustainable future by understanding how humans affect, and are affected by, a range of environmental issues including climate change, water resources, pollution and landscape change. Our Environmental Geoscience programme prepares students to pursue a variety of careers including environmental consultancy, engineering and water management, and renewable energy development and implementation.

The programme covers fundamental environmental geoscience principles, including the evolution of life, surface processes and

environments, the sustainable exploration for resources and energy, climate change, water security and waste and contaminated land management. These principles are supported by the understanding of geological concepts such as plate tectonics, the structure of the Earth, volcanoes, earthquakes, how rocks deform and the evolution of the oceans and continents. Students develop a range of spatial, analytical and computational skills.

UNIVERSITY OPERATIONS

The rain gardens on University Place, planting beds in St Mungo Square and the main rain gardens below the Square are designed to catch and attenuate surface water runoff (carrying pollutants such as salt, hydrocarbons from asphalt and any spilt materials). The planting includes species capable of cleaning surface water runoff (eg reeds, rushes and marginals) and the check dams within the rain gardens slow the rate at which surface water passes through the planting, enabling the settlement of pollutants and silt within the beds.

We have also promoted water consciousness through the installation of 50 sustainable water fountains on campus. The fountains are not chilled and are run on the domestic water supply, while de-incentivising the purchase of single-use plastic bottles and cups by providing ample access to water on campus.

CIVIC ENGAGEMENT

Our School of Social & Environmental Sustainability based at our Dumfries campus has been playing important roles in implementing SDGs on water, both nationally and internationally. It now has a well-established global webinar series on water & sustainable development. This series provides a platform for discussion on current- and future-related water problems, and potential solutions from a multidisciplinary, multi-sectoral and multi-issues viewpoint. Leading global academics, senior policymakers from around the world and heads of national and international organisations are contributing their views and perspectives.

Running this series of webinars has been Cecilia Tortajada, Professor in Practice – Environmental Innovation, and Asit K Biswas, Distinguished Visiting Professor at Glasgow. The series has focused on a diverse range of topics, including water security in transboundary and interstate rivers, Scotland's water future and the treatment and reuse of wastewater.

Professors Tortajada and Biswas are advising several countries to reach their SDG 6 targets. At the invitation of the CEO of NITI Aayog, Professor Biswas outlined the path India could take to ensure water security for India's Vision 2047, a major objective of the Indian Government.



Ensure access to affordable, reliable, sustainable and modern energy for all



GALLANT, our partnership with Glasgow City Council, will work with local partners and communities to transform the city into a thriving place for people and nature.



OUR RESEARCH

The Hydrogen Innovation Centre has been established at the University of Glasgow to accelerate the development of hydrogen technologies. The centre provides a platform for academic research groups and commercial enterprises from across Scotland to take hydrogen technologies from experimental proof-of-concept through to small prototype stage.

With the Hydrogen Innovation Centre and testing facility, Scotland is poised to leverage its renewable energy resources effectively. The collaboration between academia and industry, combined with rigorous testing and analysis, will accelerate the commercialisation of hydrogen technologies. This project not only paves the way for a greener and more sustainable future but also positions Scotland as a key player in the global energy transition.

GALLANT (Glasgow as a Living Lab Accelerating Novel Transformation) is a NERC-funded (£10.2 million) partnership between the University and Glasgow City Council and will use the city of Glasgow as a living lab to trial new sustainable solutions throughout the city. GALLANT takes a whole-systems approach. While addressing the city's key environmental challenges, we will consider the co-benefits and trade-offs for public health, wellbeing and economy. GALLANT aims to deliver the social priorities of the SDGs while remaining within the planetary boundaries of a 1.5°C world – using doughnut economics as a framework.

The programme brings together over 50 multidisciplinary researchers with 29 public and private sector partners across the city region. Together we aim not only to bring nature back into the city system, but make meaningful, lasting change that embeds sustainability across major policy decisions and empowers communities as stewards of their local places. GALLANT will work with local partners and communities to transform the city into a thriving place for people and nature. GALLANT will help Glasgow achieve its goal to be carbon neutral by 2030 and accelerate its path to climate resilience.



LEARNING AND TEACHING

Our Masters in Sustainable Energy is an interdisciplinary programme that will equip students for employment within the international energy sector. It addresses all the key aspects of sustainable energy, from the most advanced technologies through to ethical and economic considerations.

The programme provides an in-depth knowledge of the social and economic drivers of the current UK and international energy industry, and insights in the behavioural, business and technical aspects concerned with energy production and distribution. Students learn a range of technical knowledge in the science and engineering of energy production

and use, with emphases towards chemical, electrical and mechanical engineering, dependent on students' preferences and past experience.

The programme is accredited in the Further Learning category by the Institution of Civil Engineers, the Institution of Structural Engineers, the Institute of Highway Engineers, the Chartered Institution of Highways & Transportation and the Institution of Engineering & Technology.



UNIVERSITY OPERATIONS

Our Estates teams continue to improve the energy sustainability of our historic estate, working closely with Glasgow City Council and stakeholders across the city region. We will continue to contribute to and benefit from collaborative initiatives such as improved public transport, joined-up active travel provision and low-carbon district heating networks, an area where we continue to discuss the potential for a more holistic, whole-systems approach to energy use. We will continue to foster green spaces and biodiversity on the University's campuses. We will utilise our campuses to showcase our approach to environmental sustainability, making particular use of the University's 850-acre farm at Cochno Farm.



CIVIC ENGAGEMENT

Our academics are working with a unique solar-powered mobile music recording and live production studio called the Phonoautobothy, that will power a number of music events in Glasgow.

Built using upcycled materials by the Idlefield Art Lab collective from Canada, the Phonoautobothy aims to showcase sustainable power generation for live and recorded music while engaging local communities around Glasgow's ambitious net zero goals.

Professor Matt Brennan and Dr Graeme Hunt, both based at Glasgow, are leading on a groundbreaking 'Dear Green Music Scene' project, working together with Idlefield Art Lab on the Phonoautobothy.

Live music festivals and outdoor performances traditionally rely on polluting diesel generators. The Phonoautobothy is an entirely solar-powered recording studio capable of producing high-quality recordings and powering live performances off-grid. It has appeared at events including WestFest, the Belle & Sebastian Weekender Festival and Doors Open Days from June through September, as well as workshops at inclusive arts charity Beatroute Arts.

8 DECENT WORK AND ECONOMIC GROWTH



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



The University and Glasgow Clyde College have signed a Memorandum of Understanding in a bid to work closer on ambitious projects to boost productivity, growth and inclusion across the region.



OUR RESEARCH

The University of Glasgow is a partner in a new initiative which is set to revolutionise and shape future regulatory landscapes in the field of financial services and the use of cutting-edge technologies in the sector.

The Financial Regulation Innovation Lab (FRIL) is a partnership between the University, FinTech Scotland – an independent body encouraging innovation and collaboration within the financial services sector – and the University of Strathclyde.

Funded specifically by the Glasgow City Region Innovation Accelerator programme (led by Innovate UK on behalf of UK Research & Innovation), FRIL will deliver a wide-ranging, ambitious research agenda led by, and for the use of, the financial sector.

Working closely with industry participants – including large established financial institutions, the fintech community, academics, voluntary organisations and regulators across the UK – researchers will cover various aspects of financial regulation, including AI applications for environmental, social and governance risk management, and using automation and AI to combat money laundering.



LEARNING AND TEACHING

The University's Student Opportunities Hub supports our students to find part-time jobs and internships, both on and off campus. The Hub is designed with a 'student first' mindset. It makes applying for jobs easier, more accessible and is the one-stop-shop for students looking for work.

Whether it is a part-time job or internship, the Hub contains a wide variety of roles available throughout the academic year and summer. There are opportunities in various industries and sectors, to provide students with invaluable experience to help support their time at university while helping set them up for their future career.



UNIVERSITY OPERATIONS

The University and Glasgow Clyde College have signed a Memorandum of Understanding (MoU) in a bid to work closer on ambitious projects to boost productivity, growth and inclusion across the region.

The new agreement will also see increased collaboration between the two institutions to identify opportunities to support the development of Glasgow City Region's skills pipeline.

Underpinning the MoU is a commitment to improve and widen access to opportunities presented by education and job training, which will build on the success of the University's Widening Participation programmes and the College's extensive experience of partnering with employers and other stakeholders to support its students.

Two key objectives of the MOU include, firstly, considering how the University of Glasgow, as one of the region's largest employers, can develop placement and career development opportunities for Glasgow Clyde College students across its wide range of commercial and other service areas.

And secondly, how the partnership can support plans for the Glasgow Riverside Innovation District, a city-wide partnership led by the University, Glasgow City Council and Scottish Enterprise.



CIVIC ENGAGEMENT

To help boost Scottish productivity and prosperity, the University has joined forces with the Scottish Productivity Forum and Productivity Club Scotland to deliver a programme of research and practical action.

As part of National Productivity Week, the University hosted three days of events to share new thinking about productivity, ways it can be measured and how to cultivate inclusive, sustainable growth. This work is part of the £32 million ESRC-funded Productivity Institute.

Improving productivity in the UK's largest cities is critical to improving growth and prosperity. There is a direct link between improved productivity and higher wages and household incomes; stronger businesses; better public services; and a higher standard of living.

The University's Adam Smith Business School and School of Social & Political Sciences are partners in the Productivity Institute, headquartered at Alliance Manchester Business School. Economic and business specialists, together with leading experts from a range of disciplines and backgrounds, are working directly with policymakers and business to better understand, measure and enable improvements in productivity across the UK.

The Scottish Productivity Forum is one of eight forums UK-wide working to unlock Scotland's productivity puzzle, address regional issues of productivity to increase living standards and build a stronger, more resilient economy with sustainable growth. It includes representatives from the area's key sectors as well as from the public sector and academia.

A HAVEN FOR OUR PEREGRINE FALCONS



The University of Glasgow has named its beloved pair of peregrine falcons Bonnie and Clyde.

The peregrine falcons have returned to nest each spring at the top of the University's Gilbert Scott Tower for over 20 years.

Peregrine falcons are a highly protected species under the Wildlife & Countryside Act, and across the UK they are increasingly using historic buildings to raise their young. Our Estates directorate has been working closely with the SSPCA, RSPB and The Glasgow Peregrine Project to ensure the peregrine falcons remain safe and undisturbed.

The University tower and the falcons played a starring role in BBC's 'Springwatch 2024', broadcast earlier this year, which demonstrated the fascinating urban wildlife that is a feature of our city.

The University installed cameras in the nesting area at the top of the Gilbert Scott Tower and discovered earlier this year that the falcons had hatched several chicks. The cameras allow for regular monitoring of the falcons and their young, with the Gilbert Scott Tower being the only closely monitored peregrine falcon nest in Glasgow. Both the young chicks have recently fledged, swooping in and around the Gilbert Scott Tower and the quadrangles as they grow accustomed to their new wings.

A campaign was launched earlier this year to name the adult falcons, one male and one female, with staff and students invited to submit suggestions. The names 'Bonnie' and 'Clyde' were chosen from the wide variety of creative submissions. The falcons have been issued with staff ID cards to celebrate their new names.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation



The University has signed a Memorandum of Understanding with Glasgow Science Centre which will help promote public engagement with science.



OUR RESEARCH

Cybersecurity attacks on critical national infrastructure, such as energy and water supply, transportation, health and telecommunications, are on the rise. Attackers increasingly use supply chains as ways to enter these systems. Devices used in critical infrastructure are vulnerable due to the use of open-source software with security flaws, often no longer supported with updates.

Dr Tania Wallis, School of Computing Science, launched the Supply Chain Expert Group within the National Cyber Security Centre's Industrial Control System Community of Interest to guide the implementation of cybersecurity improvements across critical national infrastructure supply chains by providing illustrations of best practice applicable to operational technology.

This group is giving a voice to operators of critical national infrastructure, enabling practical experiences to be shared and co-producing guidance on supplier assurance. These collaborative activities aim to effectively enhance the overall cybersecurity of this infrastructure.

Sensor specialist startup Neuramics has secured a £1.9 million investment led by Par Equity. GU Holdings Ltd, the investment company for the University of Glasgow, Old College Capital, the University of Edinburgh's venture investment fund, and London-based Creator Fund, who

back scientific founding teams, also participated in the pre-seed round.

Founded in 2021 as a joint spinout from the Universities of Glasgow and Edinburgh, Neuramics develops pioneering magnetic sensors integrated with semiconductor technology for health, fitness, and metaverse applications. Neuramics's patented technology uses scalable spintronics sensors powered by semiconductors to detect tiny magnetic signals from organs of the body – for example the heart and muscles of the arms, which the company says could transform the current shortcomings of health monitoring devices and human-machine interfaces.

The company's magnetocardiography sensors are easier to use than traditional electrocardiography sensors. In a human-machine interface application the magnetomyography sensing system can estimate single finger movements by detecting the magnetic activity of the forearm muscles. These sensors improve the latency issues when used to control a robotic hand, or interact with virtual objects in the metaverse.

Neuramics's chip-scale sensors are low-cost, scalable and low-power, and operate at room temperature, as opposed to the current method of measuring magnetic signals which are characterised by large, complex, expensive, lab- or clinic-based equipment.



LEARNING AND TEACHING

The Masters in International Management & Design Innovation is delivered jointly by the Glasgow School of Art and the University's Adam Smith Business School, and equips students with skills in design-led management. The programme helps students gain a deep understanding of how design drives innovation in global business contexts, equipping learners with skills to lead and manage design-driven projects across diverse industries. The programme also benefits from access to a dynamic studio environment at Glasgow School of Art, fostering creativity and collaboration with designers and academics in a real-world context.



UNIVERSITY OPERATIONS

Our vision of where we want to get to is clear. We want our innovation to change the world, for the better. By 2025, we want to be recognised as an entrepreneurial university. Through our Innovation Strategy we will double our performance across all elements of our innovation portfolio by investing in and embedding the entrepreneurial spirit of innovation across the breadth of our organisation.

The University has six groundbreaking projects being taken forward as part of the Glasgow City Region Innovation Accelerator programme, which is led by Innovate UK on behalf of UK

Research & Innovation and the Department for Science & Innovation.

This unique pilot takes a new co-creation approach to investment, bringing academia and industry together in a wide range of projects, including digital chemistry, advanced sensors, museums in the metaverse, critical technologies acceleration, new approaches to colonoscopy and innovative financial regulation.



CIVIC ENGAGEMENT

The University has signed a Memorandum of Understanding (MOU) with Glasgow Science Centre which will help promote public engagement with science. The agreement will increase opportunities to promote science within communities across the city, engaging audiences with academic research, and the people who make it happen.

The MOU will facilitate greater coordination of existing public engagement programmes, while increasing collaborations with external partners and access to audiences across Glasgow. It will enable public-facing programmes of work, such as Amplify, a competition for researchers within the University's College of Medical, Veterinary & Life Sciences, which tasks researchers with producing a public-facing exhibit related to their academic area.

10 REDUCED INEQUALITIES



Reduce inequality within and among countries



The world's first Masters in Reparatory Justice is an emerging field of study and the Masters' programme targets students with an interest in reparatory justice from a range of backgrounds, disciplines and interests.



OUR RESEARCH

A new pan-Scotland research project will shine a light on one of the most hidden roles in society, raising awareness of the real-life challenges and uncertainties faced by unpaid carers.

Scotland Cares, a collaborative project across research institutions and the third sector, aims to promote the visibility of the vital role unpaid carers play. Researchers hope the project will give unpaid carers a voice, with the potential that their experiences could shape government policy at a time where Scotland continues to develop and consult on the National Care Service.

In Scotland an estimated 800,000 unpaid carers – a diverse group who include family, friends and neighbours – are looking after an individual living with a mental or physical illness, disability or frailty. Those unpaid carers will themselves face a number of challenges because of their role, including stress, loneliness, declining personal health and uncertainty.

The Scotland Cares project is formed of two parts, the first involving a survey of unpaid carers around Scotland, asking them for their honest experiences, challenges and hopes for the future. The second part focuses on engaging with experts in storytelling to bring to life the achievements, hopes and challenges of carers in a relatable and dynamic way.



LEARNING AND TEACHING

Students on the world's first Masters in Reparatory Justice are beginning their studies at the Universities of Glasgow and the West Indies (UWI), an initiative through the joint Glasgow-Caribbean Centre for Development Research.

The programme is an emerging field of study and the Masters' programme targets students with an interest in reparatory justice from a range of backgrounds, disciplines and interests.

It offers students an unparalleled opportunity to work with scholars in reparatory justice at Glasgow's Beniba Centre for Slavery Studies and UWI.

Students on the programme can pursue their studies at Glasgow or the Mona or Cave Hill campuses of UWI.

UWI continues to be at the forefront of the global movement, leading activism and academic research underpinning claims for reparations for slavery. Glasgow offers access to primary source materials and material culture holdings. It draws on expertise across the study of slavery, genocide and human rights violations.

The degree continues Glasgow's work in its ongoing reparatory justice programme which is part of the nine recommendations found

within its 'Slavery, Abolition and the University of Glasgow' report, published in September 2018.



UNIVERSITY OPERATIONS

The University of Glasgow's Top-Up Programme is a pre-entry initiative designed to support students from under-represented backgrounds in their transition to higher education. It helps students develop critical academic skills and introduces them to university life. The programme is aimed at students from approximately 100 secondary schools in the West of Scotland, particularly those from disadvantaged backgrounds, such as those living in low-income areas (SIMD deciles 1-4), care-experienced individuals, refugees, asylum seekers, estranged students and young carers.

Over several weeks, students engage in sessions facilitated by postgraduate tutors, either in-person at their schools or online. They also participate in campus sessions, including a lecture and seminar experience, and must complete a written assignment assessed to university-level standards. Completion of the programme with strong performance (a profile of BBB or above) may result in an adjusted offer of entry to the University of Glasgow or other institutions.



CIVIC ENGAGEMENT

The James McCune Smith (JMS) second annual conference took place on 24-25 June 2024. This year's conference theme was 'Creating Circles: Finding Yourself and Others' and the aim was to showcase the realities of being a Black scholar in academia and the importance of developing various community networks.

The conference was chaired by the JMS scholars and featured inspiring speakers from the Black community, and provided an important opportunity for the JMS scholars to share their work.

This is the third wave of the JMS scholarship programme that has supported over 50 scholars. The conference seeks to provide a much-needed platform for Black academics in the UK to address and highlight their distinct experiences in navigating higher education in the UK, considering their particular positionalities, and research backgrounds. While there has been a great deal of progress in academia, Black scholars remain overwhelmingly under-represented across the board in higher education in the UK. For early career Black scholars, the aim of this conference is to have conversations with already established speakers through their presentations, to have a better idea on how to navigate these spaces, and how to implement lasting changes.



Make cities and human settlements inclusive, safe, resilient and sustainable



Our researchers are part of a new national research hub which will help to upgrade and decarbonise the UK's complex and interconnected national, regional and local transport infrastructures.



OUR RESEARCH

A University of Glasgow project that's increasing community resilience and enhancing the capacity of residents of flood-prone areas in Brazil to take protective action has won an Economic & Social Research Council (ESRC) Celebrating Impact Prize. The 'Waterproofing Data' project was announced as the winner of the Outstanding Societal Impact category.

The project, which was ESRC-funded through the Global Challenges Research Fund, developed an innovative approach combining community-generated data and analytics to increase community resilience and enhance the capacity of residents of flood-prone areas in Brazil to take protective action.

The international team of researchers with multiple disciplinary backgrounds from Brazil, Germany and the UK worked with partners at Brazil's National Center for Monitoring and Early Warning of Natural Disasters (CEMADEN) and Brazilian higher education institution Fundação Getulio Vargas to engage communities in the process of 'data gardening'.

The Waterproofing Data app has now been used by more than 410 citizen scientist reporters spread across over 20 cities in Brazil's continental territory. It sparked new projects championed by CEMADEN that will bring the Waterproofing Data approach to all school students living in flood-prone areas in Brazil, benefiting more than 8 million Brazilian citizens who are estimated to live in disaster-prone areas.

Researchers from Glasgow are part of a new national research hub which will help to upgrade and decarbonise the UK's complex and interconnected national, regional and local transport infrastructures and to adapt to the effects of climate change.

The new Research Hub for Decarbonised Adaptable & Resilient Transport Infrastructures will identify pathways and solutions for delivering a resilient, net zero transport system that works for people and communities. It will host world-leading researchers who will provide expertise, modelling and data tailored to each area and each transport challenge.



LEARNING AND TEACHING

Our Gaelic with Immersion programme has received a long-term funding commitment from the College of Arts & Humanities after a successful pilot. This will establish Gaelic with Immersion as an integral part of the College's Celtic & Gaelic diverse programme offering.

In 2017, the College commissioned a feasibility study to consider an immersion experience in Glasgow and this revealed a demand for more intensive language opportunities amongst students and adult learners. Two years later, the Gaelic with Immersion programme was offered to students, initially as a three-year pilot project with financial support from the Scottish Funding Council.

The programme has been highly successful, with students continuing to employment in Gaelic education, management, administration and the creative arts.



UNIVERSITY OPERATIONS

The University of Glasgow and Kadans Science Partner, supported by Scottish Enterprise, are currently constructing a new Health Innovation Hub in Govan, due for completion in 2025.

The Hub will attract new innovative businesses into the City Region, deliver local benefits to the community through job creation and create a thriving, sustainable health and life sciences cluster in Glasgow. Designed to be highly flexible, the Hub includes both laboratory and office space for life science and health businesses, with research links to both the University and the Queen Elizabeth University Hospital. There will be an accessible ground floor, with a cafe and collaboration space, to create a useable space for the local community.



CIVIC ENGAGEMENT

Glasgow citizens will potentially benefit over the next five years from a £5 million research and development grant to tackle health inequalities and to help improve the lives of people across the city. The grant has been awarded by the National Institute for Health & Care Research

to the partnership made up of Glasgow City Council, Greater Glasgow & Clyde NHS and the University.

The partnership's successful application focuses on using data and research to inform and influence decision-making on the wider determinants of health – such as employment, housing, education and the physical environment – and to co-design and evaluate solutions that will help to improve the health and wellbeing of every person in the city regardless of their circumstances.

The University has launched a first of its kind video game that amplifies minoritised ethnic people's voices and the role of traditional ecological knowledge in Scotland's sustainable future.

Seven Voices, One Future (SEVEN) was co-developed by a research team led by Dr Mark Wong, Senior Lecturer in Public Policy & Research Methods, partnering with Glasgow-based tech start-up Education Evolved, Ethnic Minority Environmental Network, digital designer The Floating Designer and Glasgow's Games and Gaming Lab.

Set in the Western Scottish Highlands in the year 2045, SEVEN features the 'voices' of seven minoritised ethnic people. Players will interact with seven narratives and mini-games, based on real-life climate actions led by minoritised ethnic-led organisations and initiatives across Scotland.

MEET ROBOT GUIDE DOG



Blind and partially sighted people could soon receive help to find their way around indoor spaces from chatty robot guide dogs currently in development.

Experts from the University of Glasgow have partnered with industry and two leading charities to develop the RoboGuide, an AI-powered four-legged robot which aims to help visually impaired people move more independently through museums, shopping centres, hospitals and other public places in the future.

The RoboGuide system uses a series of sophisticated sensors mounted on the robot's exterior to accurately map and assess its surroundings. Software developed by the team help it learn the optimal routes between locations and interpret the sensor data in real-time to help the robot avoid the many moving obstacles it might encounter while guiding a human.

The Forth Valley Sensory Centre (FVSC) Trust and the Royal National Institute of Blind People (RNIB) Scotland have lent their support to the development of the RoboGuide.

In December, the RoboGuide was tested for the first time with volunteers from FVSC and RNIB at the Hunterian, Scotland's oldest museum. The RoboGuide helped the volunteers find their way around the first floor of the museum, and provided interactive spoken guidance on six exhibits.



Ensure sustainable consumption and production patterns



Our Eco-Hub is a social space that promotes sustainability on campus. Services provided help address the cost of living and the climate crisis.



OUR RESEARCH

Heating buildings is a major contributor to carbon emissions in Scotland and across the UK, particularly due to the consumption of gas within central heating systems and poor insulation.

Dr Ahmad Taha from the University of Glasgow and Dr Alejandro Moreno-Rangel from the University of Strathclyde are working with West of Scotland Housing Association and Glasgow City Council to explore the feasibility of electric wallpaper as a viable, eco-friendly replacement for gas central heating. The technology, which uses the Internet-of-Things and AI-enabled data analytics to collect information on efficiency, comfort and tenants' feedback, is being piloted in properties owned and managed by West of Scotland Housing Association.

Funded by Scotland Beyond Net Zero – a coalition of leading climate and sustainability experts from Scotland's universities – this trial is one of eight new research collaborations aimed at accelerating Scotland's transition to net zero. Each project involves cross-sector collaborations to address sustainability challenges in energy, finance, food, the built environment, natural systems and transport.



LEARNING AND TEACHING

Computing science students at Glasgow are set to become the first in the UK to have specific material about the environmental impact of digital technologies integrated into their undergraduate curriculum.

Researchers estimate that by 2040 emissions from computing alone could consume more than half of the world's carbon budget available to limit global heating to 1.5°C above pre-industrial levels. The energy demands of powering computers and data centres make up around 70% of the computing sector's carbon emissions.

BSc students at the School of Computing Science will be regularly taught and assessed about the sustainability implications of their chosen field of study.

The school's updated curriculum aims to help future generations of computing scientists play leading roles in reducing the ecological harms of the digital world. It will focus on understanding and assessing the problem of emissions from computing at a global scale, with a focus on the specific systems that students design and develop.



UNIVERSITY OPERATIONS

The University's Eco-Hub is a social space that promotes sustainability on campus. It acts as a meeting point for staff, students and the wider community to come together to discuss and build a sustainable world. Services provided help address the cost of living and the climate crisis.

The Eco-Hub has coffee and tea facilities, as well as a community fridge with free food available for everyone. It houses a permanent clothes and homeware swap-shop and a collection of educational resources on the environment. The Eco-Hub hosts bike repair sessions and practical workshops such as clothing repair and sustainable crafting.



CIVIC ENGAGEMENT

The 'After the Garden Festival' archaeological team, led by Glasgow archaeologists, is again digging deep into the site of the iconic 1988 Glasgow Garden Festival. Following a successful trial excavation in spring 2022, the archaeologists are embarking on their second

season to unearth the hidden remnants of this much-loved event.

In May 2022 excavation and survey in Festival Park showed that some Garden Festival features still survive, hidden beneath grass, while others survive hidden in plain sight. Excavations also found several coins that were probably thrown into Festival water features in 1988.

This time the archaeology team will be concentrating on two key Garden Festival sites – the route of the beloved mini-train line that once looped around the site, and the fascinating Antonine Gardens, a recreated Roman bathhouse in Bearsden on the northern outskirts of Glasgow.

While the team know where both were located from mapping, historical aerial photographs, photographs shared by the public and their 2022 geophysical survey, they now hope to find surviving physical evidence of the Festival.

13 CLIMATE ACTION



Take urgent action to combat climate change and its impacts



Our Environmental Science & Sustainability programme utilises the surrounding countryside to demonstrate environmental work in practice through fieldwork, field classes and visits to environmental sites and organisations.



OUR RESEARCH

Academics at the University of Glasgow's School of Social & Environmental Sustainability have contributed to the world's first mapping of climate change adaptation, which finds that systematic networking has been insufficient.

The Global Adaptation Mapping Initiative, led by a consortium of 29 universities, reported that affected individuals and households have had to carry the principal burden of adaptation.

Glasgow was the only UK university to participate in this study. Dr Jiren Xu and Dr Emilie Cremin, of the School of Social & Environmental Sustainability, were part of an international team led by scientists from LMU Munich and the University of Hamburg that assessed more than 1,400 scientific studies on the subject of climate change adaptation.

The results show that there are many gaps in distribution of roles and responsibilities for adaptation across the globe.

The University is launching a new research centre focused on supporting the global transition to sustainable, low-carbon energy systems.

The Glasgow Centre for Sustainable Energy will have an interdisciplinary focus and brings together academics from across the University to find new ways of delivering the radical reform of energy services and infrastructure required to reach net zero. The centre will work to find equitable and affordable ways to reliably meet the world's energy needs without contributing further to climate change.

The work will build on the University's decades of research on adaptive, diversified, accessible and resilient technologies for the supply, storage, distribution and efficient use of renewable energy. The centre will also work to understand how new net zero solutions might intersect with the social, political and economic transformations required for sustainable energy transitions.



LEARNING AND TEACHING

Our Environmental Science & Sustainability programme places fieldwork and practical experience at its core and utilises the surrounding countryside to demonstrate environmental work in practice through fieldwork, field classes and visits to environmental sites and organisations.

Situated in the 'Living Laboratory' of Dumfries & Galloway, this programme utilises our 85-acre Dumfries campus and the diverse surrounding landscapes as dynamic learning environments.



UNIVERSITY OPERATIONS

Glasgow University Environmental Sustainability Team (GUEST) is a student-led team within the Estates directorate providing project-based work placement opportunities to students in areas such as biodiversity, sustainable food, sustainable travel, communications and student/community engagement. These projects not only play a vital role in the ongoing promotion of sustainability on campus, but also provide an opportunity for students to develop both professionally and personally, while contributing to the everyday functioning of the University. GUEST also offers the opportunity for interns to work on its projects on a voluntary basis. GUEST were once again heavily involved with promoting partnerships for sustainability across global audiences, delivering a number of important sessions for students and staff.

URBAN RETROFIT UK will work with partners across all four nations of the UK and internationally to investigate urban retrofit successes and challenges, including barriers to scaling up.

This is part of a £9.5 million investment by the ERSC into five projects that will research place-based approaches to an environmentally sustainable future, providing evidence to support local and national decision-making.

As project lead, Professor White will lead a team of researchers from the Universities of Cardiff, Dalhousie, Sheffield, West of England and Ulster. They will collaborate with UK partners to identify and examine place-based urban retrofit case studies being delivered through local planning and development systems in Belfast, Bristol, Cardiff, Glasgow and Sheffield.

The team will co-produce a framework mapping the critical points of intervention required to close the implementation gap between national policy and local delivery. This will form the basis of a toolkit for planning authorities, property developers and communities. An international urban retrofit hubs network will also be established to share learning.



CIVIC ENGAGEMENT

Professor of Planning & Urban Design, James White, and colleagues in the UK Collaborative Centre for Housing Evidence (CaCHE) have received ESRC funding to investigate how cities can be planned and 'retrofitted' for net zero living.

14 LIFE BELOW WATER



Conserve and sustainably use the oceans, seas and marine resources for sustainable development



Our researchers have been awarded £3 million to focus on sustainable aquaculture – the farming and harvesting of fish, shellfish and aquatic plants.



OUR RESEARCH

Professor Martin Llewellyn and Dr Sofie Spatharis lead a £1.5 million BBSRC-funded project on plankton-driven gill disease in farmed Atlantic salmon, using genome-wide association studies, metabarcoding and causal modelling with Glasgow's new mobile marine aquaria.

Collaborators include the University of Aberdeen, Roslin Institute and industry partners MOWI, Scottish Sea Farms and Bakkafrost. Additionally, with £0.5 million from BBSRC Sustainable Aquaculture, Dr Spatharis and Professor Llewellyn are investigating biofouling drivers in seaweed farming, in collaboration with nine industry partners across Norway, Sweden, Scotland and England. Field sampling and experiments will also use the mobile aquaria.

Other projects include a partnership with the Institute of Marine Research Norway on deep-sea salmon farming to reduce disease and improve welfare, and a collaboration with the Scottish Association for Marine Science, Oban, to develop tools for tracking sea lice, a significant ectoparasite affecting farmed and wild salmon.

A new system that harnesses the power of AI to accurately model how sound waves travel underwater could help reduce the impact of noise pollution on marine life. Researchers from Glasgow and the University of British Columbia in Canada are behind the development of the technology.

In the future, their system could empower industries including shipping and renewables to make better-informed decisions about the effect of their activities on the undersea world. The loud sounds created by human technologies including the propellers of cargo ships and the construction and operation of offshore wind farms have been shown to have negative effects on a wide range of sea life. The noise can disrupt migration patterns of marine mammals like dolphins and whales and affect their ability to navigate by echolocation.

One potential answer to reducing the impact of underwater noise is developing a more complete understanding of the ways in which sound waves from human activities move and spread through the ocean. That could help policymakers develop new regulations for shipping and offshore turbine construction to mitigate their impact on surrounding sea life.



LEARNING & TEACHING

Our Masters in Sustainable Water Environments provides students with multidisciplinary knowledge and expertise in river catchment, lake and coastal environments, with a focus on the impact of, and adaptation to, changing environments. The programme is designed to develop an in-depth and critical understanding of contemporary global issues in surface water environments including climate and land use

change, flood risk, restoration, ecosystem health and associated management perspectives. The programme is ideal for those keen to pursue a professional career or research in the water environment.

Students with interests in surveying water environments benefit from access to the latest surveying equipment and software including unmanned aerial vehicles and terrestrial laser scanners.



UNIVERSITY OPERATIONS

As committed to in our Glasgow Green Strategy, we have now eradicated single-use plastics from our catering University operations, helping to minimise the risk posed to marine species by plastics. Our Waste Management Strategy & Action Plan for non-hazardous waste aims to help us ensure that any waste generated is collected, sorted and recycled. Our Safety & Environmental Protection Service guides the disposal of potentially hazardous biological and chemical waste to ensure that we uphold water quality standards.



CIVIC ENGAGEMENT

A climate change expert from Glasgow has helped the World Bank Inspection Panel shape

a decision on a community facing the effects of coastal erosion.

The World Bank Inspection Panel is a 30-year-old independent complaints mechanism for people and communities who believe that they have been, or are likely to be, adversely affected by a World Bank-funded project. The World Bank is one of the world's largest sources of funding and knowledge for development.

In 2021, the Inspection Panel received a complaint brought by members of communities near the site of the West Africa Coastal Areas Resilience Investment Project in Togo. The coast in this region of the world is rapidly eroding, causing rapid land loss and substantial impacts on communities and their livelihoods.

Professor Larissa Naylor prepared a technical annex for the Inspection Panel, which examined the present and future of coastal erosion on the West African coastal barrier system, where the affected community is based.

The World Bank's Executive Board approved an Action Plan following the Inspection Panel's report. As a result, the World Bank will work with the Government of Togo to address the issues raised by the complainants and take steps to mitigate the potential impact of the project on local people and their livelihoods.

CANCER RESEARCH COLLABORATION



A recent independent report estimates that cancer research spearheaded by the University of Glasgow and the Cancer Research UK Scotland Institute contributes £503 million to the UK economy.

These two institutions, working in close collaboration, form the cornerstone of cancer research in the West of Scotland, offering world-class academic and clinical expertise. Their efforts are deeply rooted in the region, responding to its specific health challenges and needs.

The West of Scotland, including Glasgow, is home to a population of approximately 2.8 million people. This makes it an ideal region for undertaking clinical trials and testing prevention strategies for cancer and other chronic diseases. The Beatson West of Scotland Cancer Centre, located in Glasgow, is the largest cancer centre in Scotland, treating more than 8,500 new patients and over 60,000 return patients annually.

The city's focus on addressing the high incidence of cancer types prevalent in Scotland has significantly shaped cancer research in the region. The West of Scotland's research is characterised by its patient-centred approach and strong partnerships with stakeholders, including the NHS, ensuring that the region's unique health challenges are addressed through cutting-edge science.





Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



The University held a ceremony to mark the planting of 20,000 trees across 11 hectares at Cochno Farm & Research Centre.



OUR RESEARCH

Communities worldwide are realising that they need to restore degraded landscapes, but there is little practical evidence or guidelines on the best way to do this.

Restored landscapes tend to be areas of land which are then accessible to their communities, such as restored wetland nature reserves, woodlands and coal tips in the UK, or restored community forests in Tanzania or the Democratic Republic of Congo (DRC).

However, restored areas can never achieve their original unspoilt state and wildlife ecosystems. Landscape restoration needs to be accomplished without increasing risks to the community, but currently little is understood about the processes involved.

Now RESTOREID, a new 16-partner European-funded research programme including researchers from the University of Glasgow, is set to work with communities from Scotland and Finland to the DRC and Tanzania. It will not only investigate how restoration may impact disease spillover risk, but also enable local communities to take part in restoration and set their own restoration priorities. The work will lead to clearer policies and guidelines for restoration which can be followed in any temperate or tropical landscape.

Two researchers from the University's School of Biodiversity, One Health & Veterinary Medicine will partner in the project: Dr Christina Faust, a NERC Independent Research Fellow, and Luisa Fernanda Páez Triana, a PhD student. The Glasgow research team will focus on identifying mechanisms driving changes of disease dynamics in restored landscapes.



LEARNING AND TEACHING

Researchers at the Universities of Glasgow and Lancaster are on a mission to inspire the next generation of plant scientists with educational resources that transform existing plant science curriculum into an engaging and interactive subject for classroom learning.

The Sci-Seedlets project – led by a multidisciplinary team from Glasgow – aims to educate school age children on the importance of plant physiology and plant science research using a mix of traditional and digital STEM-led educational resources, including an interactive game resource which launched at Knightswood Primary School in Glasgow.

By gamifying plant science, the team hope to encourage children around the world to learn not just about molecular plant science, but the importance of the role of molecular plant research in developing new strategies to engineer crops to be healthy and resilient to climate challenges for global food and water security.



UNIVERSITY OPERATIONS

The University held a ceremony to mark the planting of 20,000 trees across 11 hectares at Cochno Farm & Research Centre, as part of its ongoing efforts to be a leading institution in sustainability. Colleagues from across the University came together to celebrate the planting of the final trees at the site. The new forest will enhance biodiversity at the farm and surrounding area. Among the 20,000 trees planted are various natives species, including Scotch Pine, Silver Birch, Downy Birch, Rowan, English Oak, Sessile Oak, Hawthorn, Black Alder and Goat Willow.



CIVIC ENGAGEMENT

The island of Majorca in Spain and the Scottish Highlands and Western Isles would not on the face of it seem to have much in common.

They are hundreds of miles away from each other. They have radically different climates and speak different languages. Yet the impacts of tourism in both Scotland and Spain in the last decade are felt in similar ways by local communities, according to research being undertaken by an academic at Glasgow.

Dr Guillem Colom-Montero, a lecturer in the School of Modern Languages & Cultures, has been looking at both countries to gauge the impacts of tourism, particularly in the last decade, where the industry has become the main focus of public and political debate.

Local community associations, particularly in Majorca, have been overly critical of the effects that tourism is having on housing, public services, jobs, landscape and the environment, as well as linguistic and cultural sustainability. They see the island being totally overwhelmed by the influx of visitors – Majorca is home to one million residents and receives more than 12 million tourists annually.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels



We are expanding the support available to refugees and asylum seekers by increasing the number of study opportunities for applicants seeking sanctuary in the UK for humanitarian reasons.



OUR RESEARCH

Governments and parliamentarians are confronting many difficult policy and societal challenges, from climate change to inequality, and ensuring the economy keeps pace with demographic and technological change.

The Centre for Public Policy is a commitment from the University of Glasgow to play our part in working with the policy community – locally, nationally and internationally – to access expertise and evidence and to devise the right tools to find solutions to the challenges they face. The centre builds collaboration between the research and policy community, by sharing evidence, nurturing skills, creating space for fresh thinking and preparing the next generation of policymakers.

The University has been awarded funding to establish a unique law clinic designed to increase access to justice in Scotland for complainers in sexual offences cases, through the provision of independent legal advice and representation by practising Scottish solicitors, without charge.

The first of its kind in the UK, the Emma Ritch Law Clinic will honour Emma Ritch, a pioneering campaigner for women's rights and graduate of the University, who died in 2021.

As well as offering legal advice through a specially constituted legal practice unit, the

Emma Ritch Law Clinic will offer innovative teaching to students, enabling the next generation of Scottish lawyers to gain critical legal and ethical skills. It will also produce valuable research, providing an insight into the difference that specialist legal advice and representation can make to complainers' experiences of prosecution, and gather data to better understand why cases might fail to reach, or progress, through the criminal justice system.



LEARNING AND TEACHING

The Centre for Public Policy hosted the Cabinet Office for a Policy School on Data and AI. Over the week, experts from across the University shared their insights and research with Cabinet Office colleagues to build an understanding of AI and how it could impact public policy. Outreach training programmes of this nature are designed to help support the upskilling and capacity building of policymakers in areas of technology and explore the implications they have for wider economic and legal policy.



UNIVERSITY OPERATIONS

At the University of Glasgow, we are committed to ensuring that background and life circumstance are never a barrier to higher education for the brightest minds. We aim to be an inclusive and welcoming campus where

every member of our #TeamUofG community feels safe, respected and supported to fulfil their potential.

As part of the UK-Ukraine University #TwinforHope Initiative, in March 2023 the University of Glasgow and National University of Kyiv-Mohyla Academy (NaUKMA) were awarded £200,000 via Universities UK International to support research and innovation. This funding allowed the University of Glasgow to increase and strengthen its commitment to supporting the partnership with NaUKMA, to address research and innovation challenges and to provide access to new resources. The project continues; in June 2024, the University of Glasgow and NaUKMA received further funding to support research collaboration.

In December 2024, the University will host the 'Reconstructing Gaza' Conference. The aim of this conference is to consider how, through collaboration and collective action, we can support the reconstruction of the higher education sector in Gaza, providing both an immediate emergency response but also supporting the longer-term sustainability of the sector.

As seen throughout this report, our expertise is frequently sought by governments, and we have a dedicated and specialist Government Relations team who engage and connect the University, academics, practitioners and

policymakers on some of the most urgent issues of our times. The University has led numerous events in the Scottish and UK Parliaments, from cross-party groups, briefings and receptions to engaging lawmakers and government on areas across learning and teaching, research and innovation.



CIVIC ENGAGEMENT

Trailblazing academic Professor Alison Phipps continues her pioneering work in support of refugee rights with the renewal of her prestigious UNESCO Chair at the University. The Chair, initially established in 2016 as the UNESCO Chair in Refugee Integration through Languages & the Arts, has been expanded to encompass education, reflecting Professor Phipps' and her team's vital role in educating on the issues faced by refugees and migrants.

The renewed Chair will now be officially known as the UNESCO Chair on Refugee Integration through Education, Language & Arts. This renewal recognises the important work Professor Phipps and her team have undertaken in using creative and educational approaches to support the integration of refugees and migrants not just in Scotland but across the world.



DRIVING SUSTAINABLE CHANGE



The TransiT project is a groundbreaking initiative aimed at decarbonising the UK's transport sector through advanced digital twin technology.

This project, led by a consortium of eight universities, including the University of Glasgow, focuses on creating virtual models (digital twins) of real-world transport systems, such as roads, railways and maritime networks. These digital twins collect real-time data from sensors and simulate various scenarios to identify the most sustainable, cost-effective pathways to decarbonise transport across different sectors, including road, rail, maritime and aviation.

The use of digital twins allows researchers to model and test potential solutions without the need for time-consuming and costly real-world trials. This is crucial, as the transport sector accounts for nearly a third of the UK's carbon emissions. The digital twins also provide insights into future transport systems, including electric road systems and alternative fuels, enabling logistics companies to plan more sustainable routes, and policymakers to anticipate the consequences of their decisions.

Supported by £46 million from the Engineering & Physical Sciences Research Council and industry partners, the project is also exploring new business models and policy frameworks to support the transition to a zero carbon future. The project is poised to deliver significant contributions towards the UK's climate goals, serving as a blueprint for other sectors and nations to follow.

17 PARTNERSHIPS FOR THE GOALS



Strengthen the means of implementation and revitalise the global partnership for sustainable development



Our network activities with Universitas 21 and CIVIS are focused on collective efforts in support of the SDGs.



OUR RESEARCH

A Memorandum of Understanding (MoU) has been created between Peer Works, a programme delivered by Prosper, the Productivity Institute at the University of Manchester, and the Scotland Productivity Forum, led by the University of Glasgow.

Our Adam Smith Business School and School of Social & Political Sciences is a partner in the Productivity Institute, which is headquartered at Alliance Manchester Business School. Economic and business specialists, together with leading experts from a range of disciplines and backgrounds, are working directly with policymakers and business to better understand, measure and enable improvements in productivity across the UK.

Increasing productivity and innovation in Scotland is crucial to transforming the economy and the three organisations are uniquely placed to collaborate in order to drive increased productivity across businesses, and help deliver the ambitions of the Scottish Government.

The MoU will formalise the existing working partnership, which includes a research project and events. This will see the partners working more closely on policy initiatives, impactful events, collaborative research and in the communication of good practice to employers around ways to increase their productivity.



LEARNING AND TEACHING

The University has signed an MoU with the Arab American University Palestine (AAUP).

The MoU will promote medical collaboration between the two universities, including hosting students from AAUP in Glasgow, to gain experience of clinical practice in the UK.

The agreement was signed by Professor Rachel Sandison, Deputy Vice-Chancellor of External Engagement and Vice-Principal of External Relations at Glasgow, and Professor Mohammad Asia, President Assistant for Medical Faculties and the Dean of the Faculty of Allied Medical Sciences at AAUP.

AAUP, located in the city of Jenin in the Palestinian West Bank, is building links with a number of UK universities to help develop scientific and medical collaboration.



UNIVERSITY OPERATIONS

The University of Glasgow is proud of the wide-ranging international, domestic and local partnerships we continue to build. The University of Glasgow is an associate member of CIVIS, a multicultural and multilingual European Civic University formed by the alliance of leading higher education institutions across Europe. The CIVIS alliance is one of the 60 Flagship European Universities and is funded

by the EU through the European Universities initiative under the ERASMUS+ programme. It brings together 11 research-led and civically engaged universities across Europe.

We are also a founding member of Universitas 21, established in 1997 as a global network of 29 leading research-led universities for the 21st century. This allows us to follow education projects larger than any one university could manage alone and offer a framework for international collaboration.

The University of Glasgow and the University of Sydney have strengthened their ongoing relationship by signing a new MoU in Glasgow to renew and reaffirm their collaborations across research and education.

We also have a long standing partnership with the Ifakara Health Institute in Tanzania, spanning both research and training.



CIVIC ENGAGEMENT

The Health Innovation & Transformation Partnership, a groundbreaking collaboration between the NHS and academic and industry partners, has been extended for another three years. Set up in 2022, the partnership is a collaboration between NHS Golden Jubilee's national Centre for Sustainable Delivery,

NHS Greater Glasgow & Clyde, University of Glasgow, AstraZeneca UK and Lenus Health. The aim is to create transformation in NHS Scotland within both scheduled and unscheduled care through large scale programmes to improve the health of the population and by expanding clinical research.

Interventions will use a variety of novel approaches and technologies focusing upon wide-ranging points in the patient journey and pathways of care and will span early upstream detection, diagnosis and risk-stratification through to chronic disease management.

Scotland's new strategy to support refugees and people seeking asylum with settling into their community was celebrated with an event at the University in August this year.

The New Scots Refugee Integration Strategy: Delivery Plan 2024-2026 – which is the most comprehensive of its kind worldwide – seeks to ensure people understand their rights, responsibilities and entitlements, and to help new Scots and communities to integrate.

Developed by the Scottish Government, Scottish Refugee Council and Convention of Scottish Local Authorities, the plan includes commitments to work with employers to help them recruit refugees, to identify ways to improve English language provision and to ensure services are co-ordinated effectively.

LOOKING AHEAD

This report is the fourth comprehensive annual publication by the University of Glasgow assessing our contribution to the delivery of the United Nations' Sustainable Development Goals (SDGs).

Since our inaugural report in 2021, the SDGs have become an increasingly important part of how we capture the impact of our activities at a local, regional, national and global level and of how we assess new ways of contributing to the goals.

We were delighted to see our institutional commitment to the SDGs reflected in our strong performance in a number of global sustainability rankings, and aim to use this report to highlight the wide-ranging and impactful work of our colleagues.

We have a long history of world-changing research and innovation, outstanding teaching and partnerships, and a commitment to service excellence from our staff. Our approach to sustainability runs through our academic, operational and civic activity. Our quadruple helix approach, bringing together academia, industry, public bodies and our communities is a true partnership towards all our collective goals and we continue to work with these partners for the city of Glasgow and globally, to make a tangible contribution to tackling society's grand challenges.

Uzma Khan

Vice-Principal for Economic Development & Innovation
and Deputy Chief Operating Officer

