

Working towards the Sustainable Development Goals

Annual Report, 2022




Foreword

Anglia Ruskin University (ARU) is committed to doing our part for the Sustainable Development Goals. These 17 Goals were adopted by the United Nations in 2015, and form an ambitious set of targets to achieve global peace and prosperity. Together, they require us to address the most pressing social and environmental challenges of our times – hunger, poverty, disease, discrimination, inequality, the climate emergency and biodiversity loss. Without meeting the SDG targets, we cannot ensure flourishing human societies or a stable biosphere.

We recognise the unique contribution that higher education institutions such as ARU can make towards achieving the Goals. Our research creates the knowledge base required to tackle complex challenges. Through our teaching and public engagement, we are responsible for raising awareness as well as ambition. This is why ARU is placing sustainability – and the Goals – at the heart of our institutional strategy. We can make a real difference, and we are committed to providing leadership towards achieving the Goals and their associated targets within our own community, in our wider region and beyond.

Doing so will need us to work in partnership, with the public and private sector, civil society and members of the general public. As the examples within this report show, each of our contributions towards the Goals involves a great deal of collaborative working. The projects highlighted here are truly interdisciplinary or transdisciplinary. This is essential for generating applied knowledge that has a real impact. We have put in place a number of initiatives to facilitate applied and critical thinking on sustainability across our curriculum. And we are proud of the work we have done to embed sustainability across all our operations and in the management of our estates.

Much remains to be done. The challenges we face, within the United Kingdom and globally, are acute. In the last few years, the COVID-19 pandemic, economic uncertainty and political unrest have set back progress that was made in the last few decades. Our efforts over the coming few years will thus be particularly significant, needing to recover lost ground to meet the Goals targets by 2030.



Professor Roderick Watkins
Vice Chancellor





Sustainability at ARU

Sustainability is at the heart of everything we do at ARU.

Our results in the 2021 Research Excellence Framework (REF) show that our research is world-leading, and making a real impact on people and places globally.

Each of our REF impact case studies has been mapped against the SDGs. From protecting the oceans from plastic waste, to shaping energy policy, increasing children's understanding of environmental issues and advancing legal frameworks on genocide, our research community is achieving real positive change. We are committed to growing this impact. In 2022, we launched three new research, innovation and impact themes on Sustainable Futures, Safe and Inclusive Communities and Health, Performance and Wellbeing. These will drive forward exciting new interdisciplinary collaborations and partnerships with stakeholders from government, the private sector, and civil society in our region and beyond. Read more about this inspiring work and contact each of the research teams involved at [aru.ac.uk/research/ref](https://www.aru.ac.uk/research/ref)

Sustainability is core to our education strategy and is integrated across our entire curriculum. Our innovative Ruskin Modules facilitate independent and interdisciplinary thinking on societal challenges and solutions. These modules are integrated across our Undergraduate teaching and touch on the most profound challenges facing global society, including the design of Artificial Intelligence (AI), climate justice and inequality, identity, racism and anti-racist practices, social justice and ways of imagining sustainable futures. Our Global Sustainability Institute hosts a pioneering Education for Sustainability team, committed to expanding our provision of sustainability teaching as well as advancing pedagogic research on sustainability education. To learn more about their work, visit [aru.ac.uk/global-sustainability-institute-gsi/education-for-sustainability](https://www.aru.ac.uk/global-sustainability-institute-gsi/education-for-sustainability)

Finally, we are committed to delivering sustainability best-practice across our estates and all operations. We have been certified to the international environmental management standard ISO 14001 since 2009. In 2019, we declared a climate and ecological emergency. Our Sustainability Strategy commits us to transitioning fully to zero carbon sources for our electricity by 2026, and achieving zero carbon emissions by 2045. As signatories to the Fossil Fuel Declaration, we have no investments in extractor fossil fuel companies and pledge to remain fossil free in the future. We have a Biodiversity Net Gain policy, which outlines our commitment to preserving or enhancing net biodiversity value on our land. To learn more about our work to advance sustainability on our estates, visit [aru.ac.uk/about-us/sustainability/sustainable-campus](https://www.aru.ac.uk/about-us/sustainability/sustainable-campus)





Tracking our progress on the Sustainable Development Goals

Our Sustainable Development Goals Working Group tracks the University's work on the SDGs. We chiefly rely on the framework and methodology set out within the Times Higher Education Impact Rankings. These use a set of indicators to capture how higher education institutions are contributing to the SDGs across four areas: research, teaching, outreach and stewardship. The rankings are published annually, and include over a 1000 universities from 106 countries.

Our inaugural submission to the Impact Rankings was in 2020. To date, we have submitted data demonstrating our impact on four of the Goals, representing strategic priorities for the University: Good health and Wellbeing (SDG 3), Reduced Inequalities (SDG 10), Sustainable Cities and Communities (SDG 11) and Partnerships for the Goals (SDG 17). In our most recent submission (released April 2022), we were delighted to be ranked 1st in the UK and 20th in the world for our work on Health and wellbeing. In 2022, the SDG Working Group

conducted a short benchmarking exercise, using the Impact Rankings methodology to capture our work on all 17 Goals. This report highlights some of the most notable examples of our work in teaching, research and operations across the goals. We have been selective, capturing only indicative examples that showcase the breadth and variety of our contributions.

We should note that the THE Impact Rankings capture data from the past full academic year, or the past full calendar year, whichever is most

suitable. Thus, the examples within this report pertain to the year 2021, or the academic year 2020 to 2021. To gain a picture of our published research outputs for each SDG, we have used the THE Impact Rankings search queries on the Scopus dataset, returning number of publications between 2012 and 2021.

To get in touch with the SDG Working Group at ARU, please contact the co-chairs, Professor Aled Jones **aled.jones@aru.ac.uk** and Dr Zareen Bharucha **zareen.bharucha@aru.ac.uk**



Sustainable Development Goals

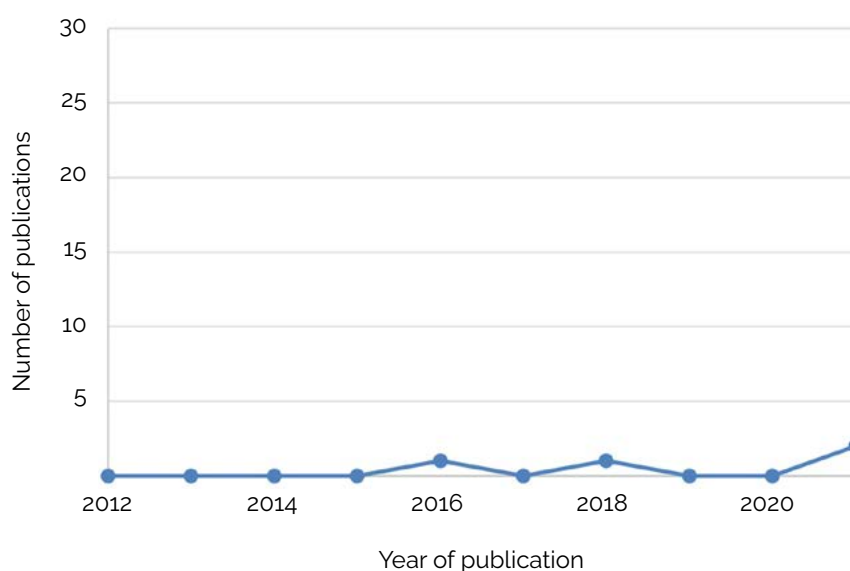
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End poverty in all its
forms everywhere

1 NO
POVERTY



Fig 1. Number of published outputs relevant to SDG 1, No Poverty at Anglia Ruskin University between 2012–2021



Around 85% of our students share at least one characteristic of disadvantage and we have a range of measures in place to support students from lower-income households.

Bursaries are available to undergraduate and postgraduate students from the UK, as well as those from EU countries who remain eligible for student finance. An additional learning support fund is available for selected student groups including care leavers and mature students. We have also delivered an e-textbook scheme that offered one core textbook electronically for each module to all Level 4 students to ease the transition into higher education.

In 2019/20 we awarded £566K to students who applied for financial

support and established further funds for laptops (providing laptops to the value of totalling £182,785) and for those students experiencing hardship due to Covid-19.

In 2020, a group of our first year BA Social Work students and their families spent one week living off the equivalent of a foodbank parcel as typically provided by the Trussell Trust. The group raised over £900 in donations for the Trust, and inspired others to donate to their local foodbank.

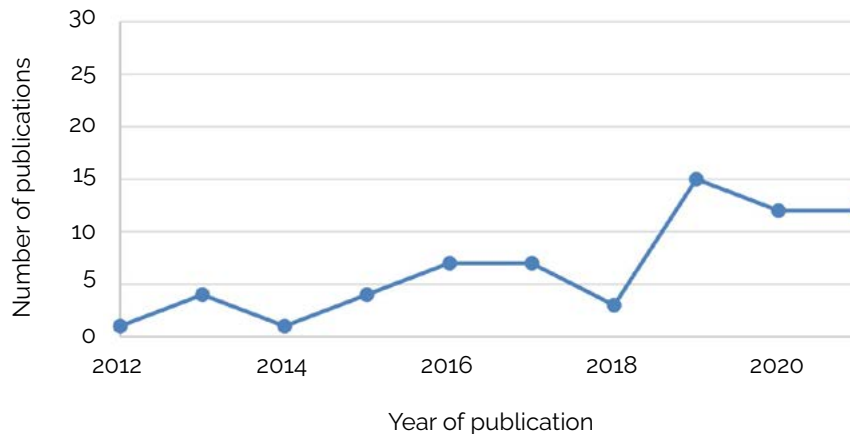
Professor Lee Smith from our Faculty of Science and Engineering explored the impact of physical activity on the health of older adults who had transitioned out of homelessness. His findings were used to design an intervention protocol that has improved physical and mental health for over 1,000 homeless people, and created jobs in two charities.

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

2 ZERO HUNGER



Fig 2. Number of published outputs relevant to SDG 2, Zero Hunger at Anglia Ruskin University between 2012–2021



Research at our Global Sustainability Institute has addressed the impact of environmental and economic shocks to food systems, and ways in which to transition to greater sustainability.

These projects have explored how global food systems respond to shocks, as well as engaging in depth with production practices in specific landscapes, including amongst small farmers in sub-Saharan Africa and India.

In early 2023, ARU Peterborough will launch a new BSc in Agri-Food Technology, which will provide graduates with the skills they need to contribute to sustainable food

production and future proof the production and supply of food in the face of climate change and economic shocks.

Catering on our campuses is guided by our Sustainable Food policy. This outlines our commitment to sustainable food provision across all our food and drink provision. We provide a range of vegetarian and vegan options on our campuses, and we are committed to reducing

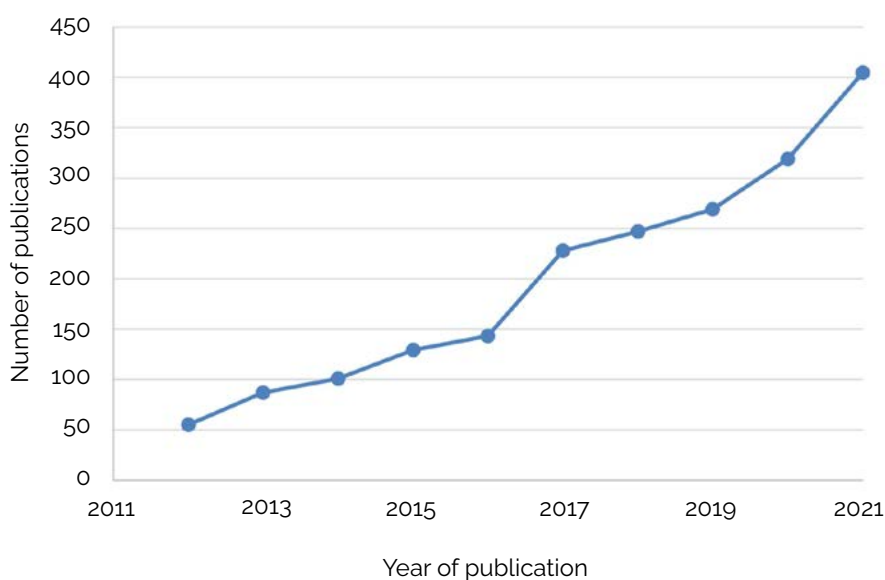
meat consumption on campus by 50% by 2026 and reducing dairy consumption. Our catering outlets actively promote sustainable choices, including reducing waste from packaging and single-use items. In September 2022, we introduced a daily deal offer of a hot lunch for £1 at our Cambridge, Peterborough and Chelmsford campuses, to help staff and students with the cost of living.

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

3 GOOD HEALTH
AND WELL-BEING



Fig 3. Number of published outputs relevant to SDG 3, Good Health and Well-being at Anglia Ruskin University between 2012–2021



Health and wellbeing is a major strategic focus for ARU and we are leaders in research, innovation and impact in our region. We work with NHS England to deliver a Clinical Entrepreneur Programme, which supports NHS staff to develop and scale-up innovative ideas.

Founded in 2016, the Programme is the world's largest workforce development programme for healthcare professionals. It is open to all NHS clinical professionals. Our Global Vision Database has been established by an international consortium of ophthalmologists and optometrists with an interest in the epidemiology of eye disease. Anglia Ruskin Clinical Trials Unit (ARCTU) is a research partnership between Anglia Ruskin University, NHS Trusts from Cambridgeshire, Essex and Hertfordshire, and industry partners and international partners. Together, our NHS Trusts cover a local patient

population of over 3 million. Two additional tertiary centres takes this population to over 10 million.

ARU is one of the few UK Universities to have our own eye clinic, meaning our optometry and ophthalmic dispensing students gain essential clinical experience and provide care to the community. Our globally-renowned Cambridge Institute for Music Therapy collaborates internationally in areas such as dementia and autism. It also runs the Music Therapy Clinic to support the local community. Our Sustainable Sainji Project

takes students every year to India to do volunteering with the local community around health, nutrition and first aid.

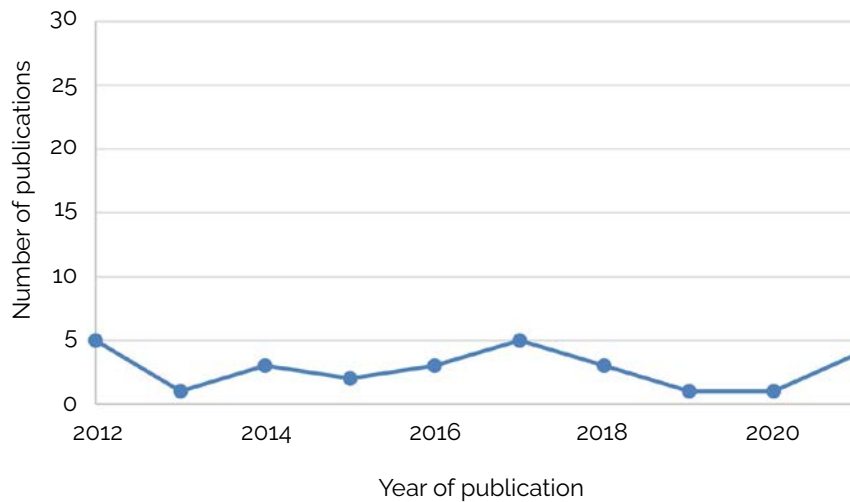
We proactively support the health and wellbeing of our staff and students through access to counselling, signposting students to locally available (free) sexual health services, and providing students with access to a Sexual Violence Liaison Service and a Harassment Support Service as part of our 'Unsilenced' initiative.

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

4 QUALITY
EDUCATION



Fig 4. Number of published outputs relevant to SDG 4, Quality Education at Anglia Ruskin University between 2012–2021



We host a rich programme of public education events for the general public, designed to support lifelong learning. Recurring programmes have been designed to support Black History Month, Interfaith Week, International Women's Day, Mental Health Awareness Week and Refugee Week each year.

Several programmes are run outside our campus and focussed on young people in our region. For example, in 2019, the North Cambridge Academy Orchard project was run by the student-led Sustainability Society to work with a local secondary school to turn a bare plot of land into a small onsite orchard. With a focus on community, sustainability and education, the

project brought together 15 pupils from North Cambridge Academy with students from the Sustainability Society over a three-month period.

We participated in the inaugural Cambridge Festival in 2021, contributing a series of mainly digital talks and performances. In 2022, the University hosted the inaugural Chelmsford Science festival with

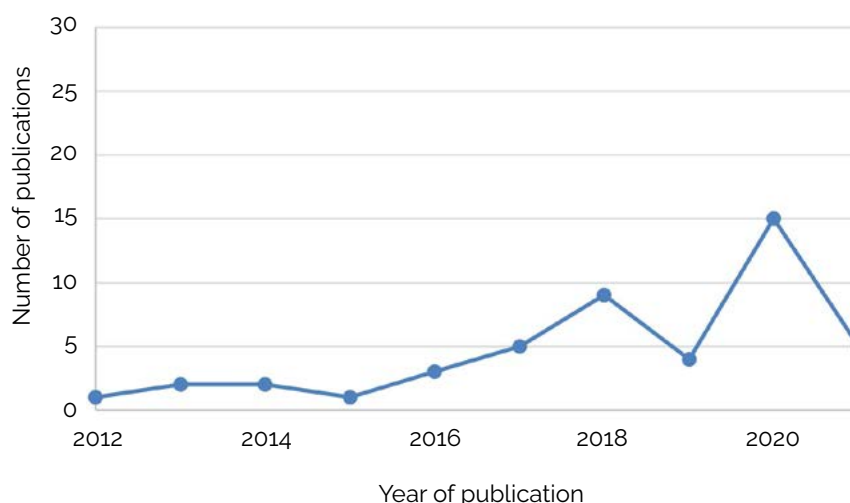
free public lectures, workshops, exhibitions, drop-in sessions and hands-on activities. The Festival included a day of science based and sustainability focussed activities for young people and families, and concluded with a keynote talk at Chelmsford Cathedral by Helen Sharman, the first British woman in space.

Achieve gender
equality and empower
all women and girls

5 GENDER
EQUALITY



Fig 5. Number of published outputs relevant to SDG 5, Gender Equality at Anglia Ruskin University between 2012–2021



We are a member of Athena SWAN, a framework used around the world to support gender equality in higher education. We were first awarded our Institutional Athena SWAN Bronze award in 2015, and this was re-conferred in November 2018.

We are working towards achieving Faculty Bronze awards across all our faculties and are actively exploring ways to enhance our culture and practice of gender equality.

Our Valuing Diversity and Promoting Equality Statement sets out our commitment to equality (including gender equality) and protecting staff from discrimination. Our staff are encouraged to consider a wide range of factors relevant to diversity, including biases such as accent, social class, and appearance. Our Trans Equality Policy Statement sets out our commitment to ensuring that equality, access and protection from discrimination includes those members of the community whose gender identity is not expressed in ways that are typically associated with their assigned sex at birth. This includes those who

have non-binary, non-gender or genderfluid identities.

Our staff have the opportunity to join a range of inclusivity networks, including a Women's Network and a Men's Staff Network.

In 2021, we were awarded a grant of £175,000 from the British Council to support five women from Brazil and Mexico to study Engineering, as part of our efforts to encourage women in STEM. This builds on work with Brazil's Science Without Borders programme and work with universities in Latin America, including Brazil's Federal University of Minas Gerais.

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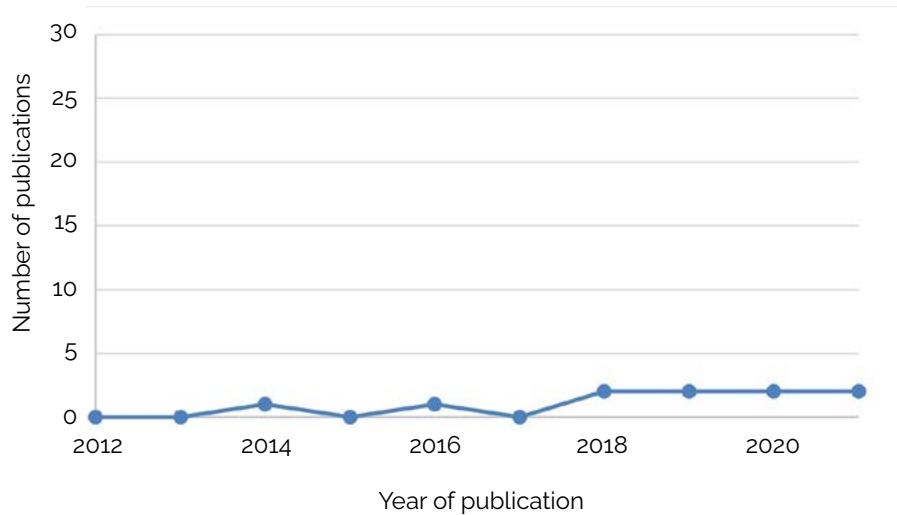
In 2020, a QR-funded project addressed the gendered impacts of the COVID-19 pandemic on access to education and technology in India. Dr Sunrita Dhar-Bhattacharjee, Associate Professor in Human Resource and Organisational Behaviour, led the project. She explained, "The tragic impact of the pandemic alone has made girls and young women more vulnerable to being drawn into early marriage, early pregnancy, gender based violence at home and even child trafficking."

Ensure availability
and sustainable
management of water
and sanitation for all

6 CLEAN WATER
AND SANITATION



Fig 6. Number of published outputs relevant to SDG 6, Clean Water and Sanitation at Anglia Ruskin University between 2012–2021



Cambridgeshire and Essex are two of the driest counties in the UK and we are committed to doing our part to manage water well across all our campus operations.

We closely monitor our water consumption, and promote water-conscious behaviours across our campuses through stickers at all sinks on campus and posters in all kitchens and toilets. We require BREEAM Very Good standard which includes standards for water consumption above regulatory standards, as detailed in our Design Principles.

Our landscaping is designed to consider numerous factors including site, biodiversity, ground conditions, and maintenance. We have created a Mediterranean garden on our Chelmsford campus specifically to minimise water use and tolerate drought.

Staff at ARU's School of Engineering and the Built Environment, and specifically within the Urban Resilience Research Theme undertake research on urban resilience that includes disseminating knowledge about improved water systems management and resilience to water-related disasters such as flooding.

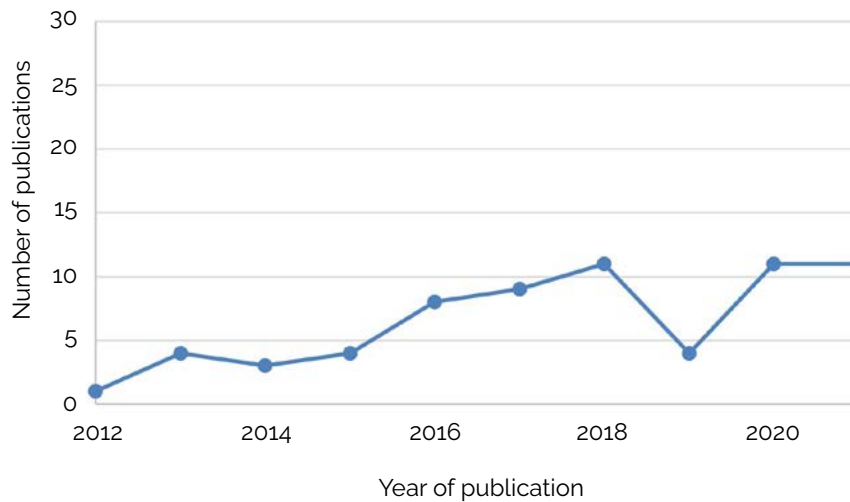
A key example is work led by Dr Maryam Imani on resilience-informed water systems management for more effective adaptation to emerging shocks and stresses, which included several workshops and focus groups (in the UK and overseas) to disseminate the results of this research.

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

7 AFFORDABLE AND
CLEAN ENERGY



Fig 7. Number of published outputs relevant to SDG 7, Affordable and Clean Energy at Anglia Ruskin University between 2012–2021



We have an ambitious set of measures in place to reduce energy consumption, improve efficiency across our Estate, and transition to renewables.

This includes a dedicated energy manager to identify wastage and manage improvement projects. All our new buildings must achieve BREEAM Very Good standard which includes standards for energy efficiency above regulatory standards, as detailed in our Design Principles.

In 2019, we participated in the first aggregated Power Purchase Agreement (PPA) in the UK involving 20 universities, committing to buy 20% of our baseload electricity for 10 years from windfarms in Scotland and Wales. This reduces our direct carbon footprint by ~10% whilst delivering financial savings

and budget stability. In 2021 we commenced phase 1 of our RE:FIT Energy Performance Contract, a multi-phase programme to identify and implement carbon saving measures in our existing buildings. This innovative contract includes a performance guarantee for the energy savings identified, with any shortfall underwritten by the service provider.

Building on a university-wide climate emergency petition and the Youth Strike for Climate movement, staff and students from across ARU joined forces for a Solidarity platform for the Global strike for Climate in September 2019.

Attended by over 100 people, this called for (among other demands) carbon neutrality at the University by 2030, and paved the way to ARU's declaration of a climate emergency and subsequent Sustainability Strategy in 2020.

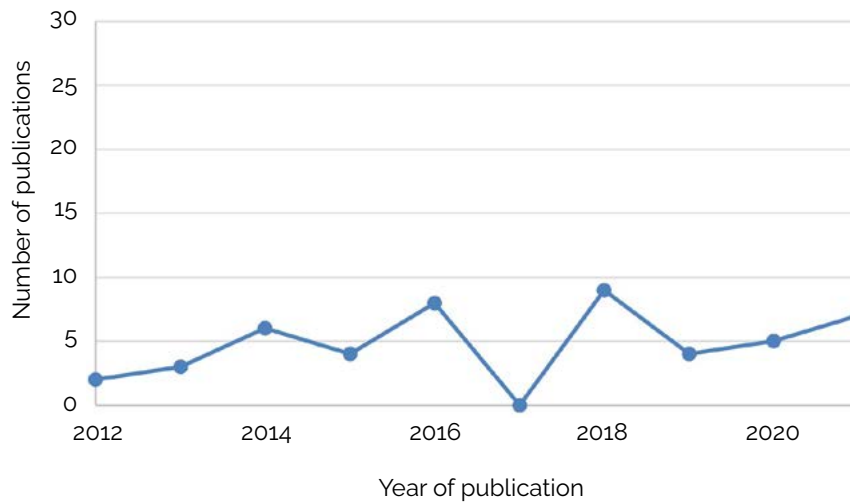
Finally, we are a signatory to the Fossil Fuel Declaration with the NUS and People and Planet, committing us to no investments in extractor fossil fuel companies and to remain fossil free in the future.

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

8 DECENT WORK AND
ECONOMIC GROWTH



Fig 8. Number of published outputs relevant to SDG 8, Decent Work and Economic Growth at Anglia Ruskin University between 2012–2021



Research from our Centre for Pluralist Economics (CPE) has been used in policy making by international organisations and institutions.

These include the Council of Europe, the European Foundation for the Improvement of Living and Working Conditions, the European Union Agency for Fundamental Rights, the Government Equalities Office, the Department for Business, Energy and Industrial Strategy, the Competition and Market Authority, the European Commission, the International Labor Office, the International Telecommunications

Union, the Organization for Economic Co-Operation and Development, the United Nations Educational Scientific and Cultural Organization, the United Nation Agenda for the Sustainable Development and the World Bank. Pioneering research led by Professor Nick Drydakis, who leads the CPE, has addressed the experiences of sexual-orientation and gender-identity minorities in

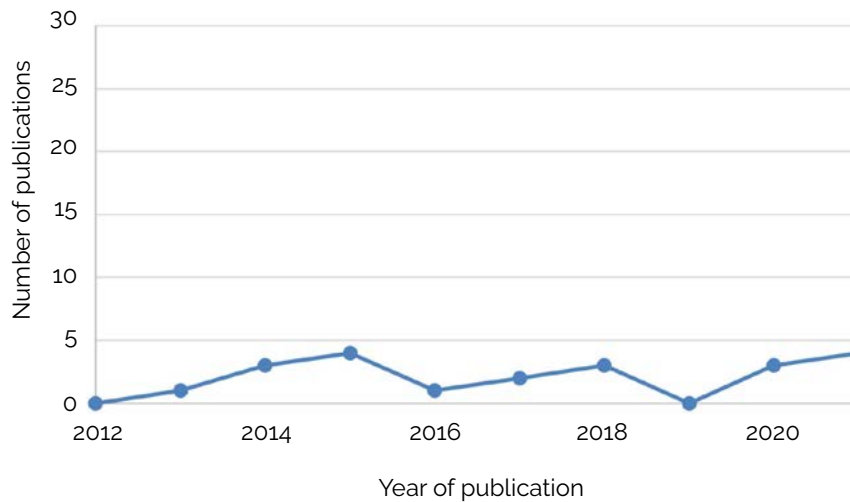
the workplace, and highlighted the significant barriers faced by sexual-orientation minorities to employment, wage discrimination and low job satisfaction. This research has informed new policy recommendations for the European Commission, OECD, World Bank, and Canada's Public Service Alliance.

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

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



Fig 9. Number of published outputs relevant to SDG 9, Industry, Innovation and Infrastructure at Anglia Ruskin University between 2012–2021



ARU's research and teaching are highly impact focussed: we are determined to make a difference by spurring innovation, and building partnerships with public and private sector stakeholders.

In 2022, we launched three new Research, Innovation and Impact themes in the areas of Sustainable Futures, Safe and Inclusive Communities, and Health, Performance and Wellbeing. The themes will help ARU researchers build new research partnerships, achieve greater real-world impact and spur innovation in our local region and beyond.

Our annual Big Pitch allows students to pitch business ideas to win

funding and other prizes. This year's winners include a project to combat drowsiness among truck drivers, and software to recommend the most suitable personal safety app. Students use the prize money to invest in their business idea and are offered free office space at ARU's Arise Innovation Hub.

Researchers at our Faculty of Business and Law are a delivery partner for the Blueprint to a Circular Economy project, which

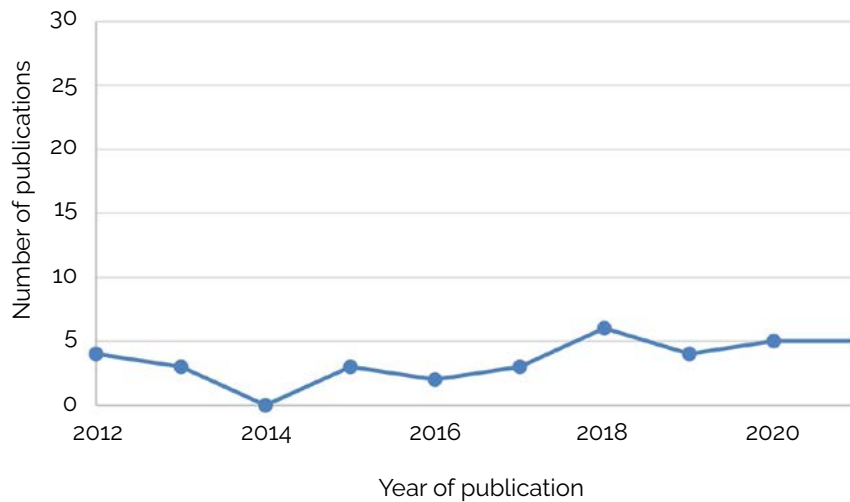
aims to support Local Authorities to transition to a sustainable Circular Economy. Our researchers lead a work package on mobilising social enterprises to provide training on the circular economy. By the end of the project in 2023, it is expected that 20 organisations will be upskilled to deliver training on the circular economy.

Reduce inequality within and among countries

10 REDUCED INEQUALITIES



Fig 10. Number of published outputs relevant to SDG 10, Reduced Inequalities at Anglia Ruskin University between 2012–2021



Our Equality, Diversity, and Inclusion Steering Group (EDIG), Student Success Steering Group (SSSG), and Access and Participation Steering Group (APSG) promote inclusion and respect for diversity among Anglia Ruskin staff and students.

All groups report to our Corporate Management Team. We also have a number of formal networks for inclusivity and provide students with points of contact for relevant information and support. We are currently focused on the launching of our Race Equality Strategy and Race Equality Charter Submission.

We uphold a non-discriminatory admissions policy that supports widening participation. In 2019, we

widened our access to our Medicine Scheme by involving a set of criteria that allows students to enter Medicine with lower grades. We are a Disability Positive employer. Our campus provides facilities for people with disabilities. Our allocations policy allows all full-time students with a disability or medical condition to apply for University accommodation. These accommodations provide features that facilitate day-to-day living.

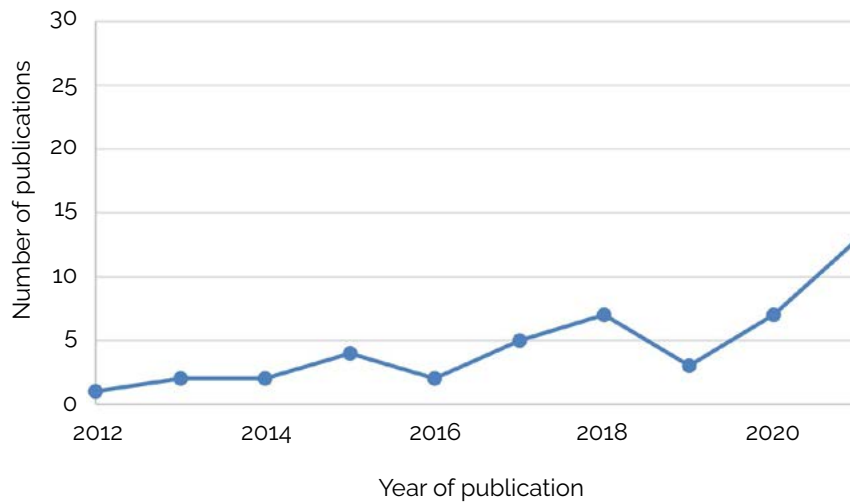
Additionally, we have achieved Disability Positive employer status. Students are supported by personal development tutors and specialist support is provided to students with disabilities.

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

11 SUSTAINABLE CITIES AND COMMUNITIES



Fig 11. Number of published outputs relevant to SDG 11, Sustainable Cities and Communities at Anglia Ruskin University between 2012–2021



We have a rich programme supporting public access to the arts through various avenues, including at The Mumford Theatre (Cambridge campus), the Ruskin Gallery (Cambridge campus), recording studios, the Recital Hall and the Jerome Booth Building on our Cambridge campus.

The exhibitions and other public events organised in the Ruskin Gallery by members of the Faculties and Research Institutes (i.e. Storytelling in The 4th Industrial Revolution Exhibition) are open to the public. Our campuses are open to the general public, including access to our libraries through a reference membership. We restored a millpond bordering our Chelmsford campus for which we received a Wildlife Trust Living Landscape Award in 2012. This forms part of the Chelmer Valley Heritage & Nature Trail which runs through our campus.

We have a range of measures in place to build a sustainable community for the staff and students who use our campuses. Our Sustainability Policy commits us to widening the use of zero and low carbon transport, and to reducing the impact of our commuting and business travel. We provide ongoing input into planning and development matters in our local region, working with the local authorities where we operate on a very broad range of issues including planning, economic development, public health, and transport.

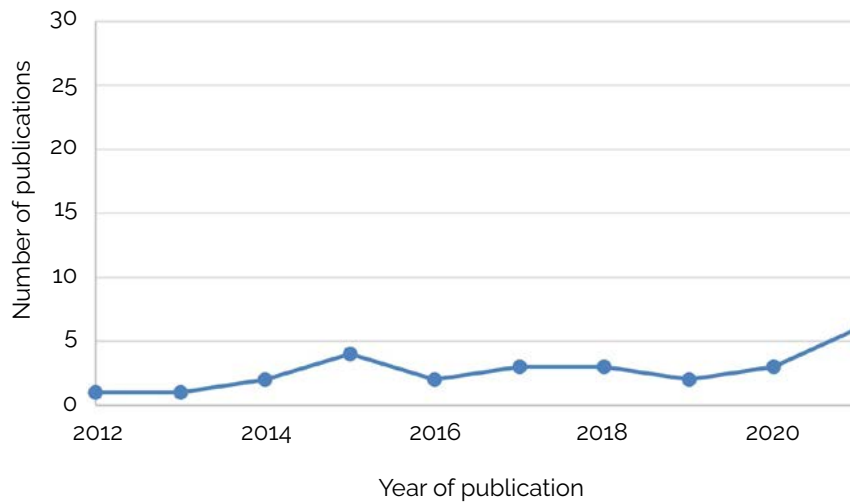
Our researchers at the StoryLab research institute has a number of projects underway on tangible and intangible cultural heritage and our faculty of Arts, Humanities and Social Sciences has also initiated a new Heritage Research Group to promote cultural heritage research within the Faculty.

Ensure sustainable
consumption and
production patterns

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Fig 12. Number of published outputs relevant to SDG 12, Responsible Consumption and Production at Anglia Ruskin University between 2012–2021



The lasting effects of a food waste campaign carried out in collaboration with Cambridge Sustainable Food in February 2018 continue to be seen in ARU today.

This campaign led to the proper separation of waste, which ultimately pointed to food preparation as the most wasteful area. Small changes like using offcuts for stews and soups, choosing pre-prepared vegetables, and minimising waste from veg prep allowed the team to reduce food preparation waste by 66%. ARU continues to develop new initiatives and reduce and recycle even more food waste today.

At our Faculty of Science and Technology, Dr. Cathrine Jansson Boyd, has been involved in research on how our mindset around food consumption impacts waste.

In June 2021, she was granted £60,000 by The Waste Resource Action Programme (WRAP) to study how certain interventions can be implemented in the household to reduce waste. The findings suggest that certain diary-based interventions can lead to a significant reduction in fresh produce waste.

ARU recognizes that our purchasing power can have both positive and negative impacts on our community and environment, both locally and globally. Because of this we have committed to responsible procurement through the integration of economic,

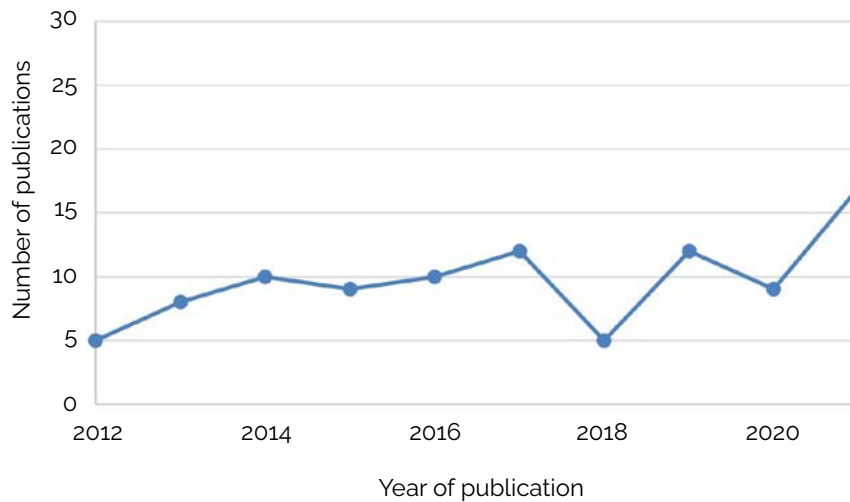
environmental and social elements of sustainability. We expect the same standards from our contractors, suppliers and other business partners. Our 'Responsible Procurement Policy' aims to improve our key suppliers' environmental and social performance. Our Sustainability Strategy includes a commitment to remove all single use plastics from sale by 2022 and to recycle 60% of our waste by 2026.

Take urgent action
to combat climate
change and its impacts

13 CLIMATE
ACTION



Fig 13. Number of published outputs relevant to SDG 13, Climate Action at Anglia Ruskin University between 2012–2021



ARU declared a Climate and Ecological Emergency in 2019 and we are committed through our Sustainability Strategy to becoming a zero-carbon university by 2045.

We have already reduced direct carbon emissions by 43% since 2006, and have ambitious measures to help us cut emissions further, without the use of offsetting. These measures include policies on agile working, education provision, estates management, our investment strategy, procurement and purchasing decisions, water and waste management, and travel.

We are a signatory to the Fossil Fuel Declaration with the National Union of Students and People and Planet, committing us to no investments in extractor fossil fuel companies and to remain fossil free in the future.

Our researchers contribute to knowledge development and agenda setting on climate risks, impacts, mitigation, adaptation, impact reduction and early warning systems both within the UK and globally. Our Global Chaos Map project records past events of unrest or deaths related to access to natural resources, such as food, water and fuel. Outputs include an interactive map and a freely available database. Project lead, Dr Davide Natalini explains the impact of the project: "Our mapping provides invaluable insights into patterns of unrest and global trends – and the factors

that contribute to regions being vulnerable, which can be used to support early intervention design by Governments' ministries of defence, NGOs and researchers working to stop resource-related conflict"

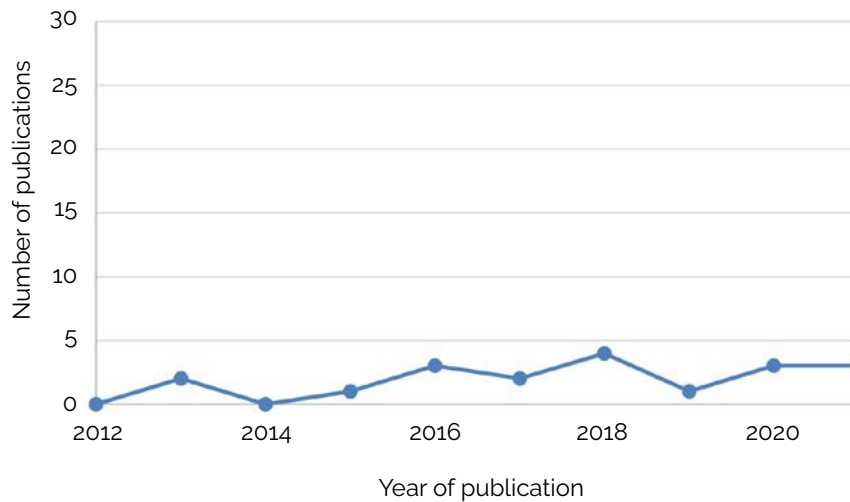
Indeed, on the basis of this work, researchers at the Global Sustainability Institute are part of FOREWARN, and review anticipation alerts for food insecurity and conflict to help inform decisions on the release of funding to assist communities by climate and other shocks.

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

14 LIFE BELOW WATER



Fig 14. Number of published outputs relevant to SDG 14, Life Below Water at Anglia Ruskin University between 2012–2021



Our Sustainability Strategy includes a commitment to remove all single use plastics from sale by 2022, a commitment we have made in recognition of the overwhelming threat these pose to marine and aquatic ecosystems.

Our researchers have contributed to a number of high profile interventions in this area over recent years. Work by Dr Bas Boots and Associate Professor Dannielle Green at our Faculty of Science and Technology, has focused completed pioneering research evaluating how plastic pollution can impact ecosystem functioning, and have explored the impact of microplastics generated from biodegradable or compostable sources on both marine and terrestrial ecosystems.

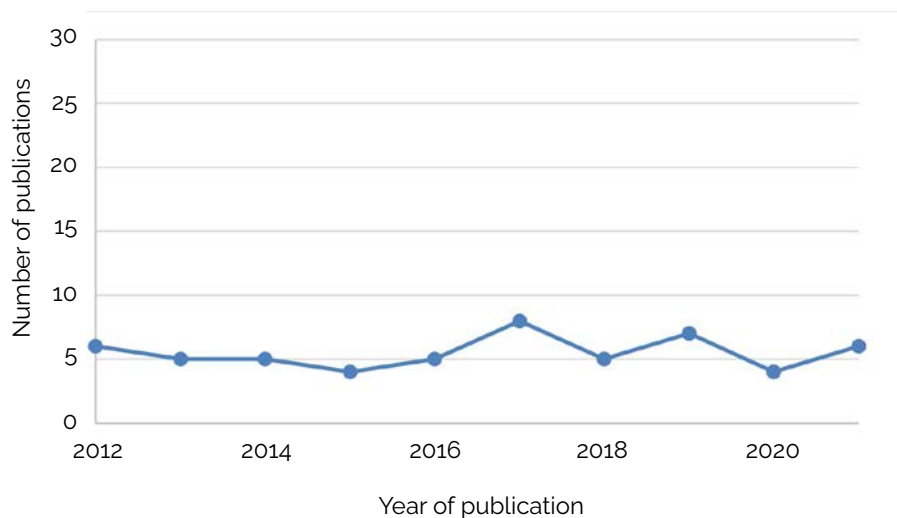
Their research has led to a strengthening of the European Chemicals Agency's (ECHA) microplastics restrictions, enabled DP World London Gateway businesses to commit to reductions in single-use plastics usage, and raised awareness of plastic pollution amongst policymakers and citizen communities.

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

15 LIFE ON LAND



Fig 15. Number of published outputs relevant to SDG 15, Life on Land at Anglia Ruskin University between 2012–2021



As rapid global change threatens the endurance of natural ecosystems and their biodiversity, efforts to restore and protect ecosystems are of utmost importance.

Researchers at our Global Sustainability Institute and School of Life Sciences conduct research on changing habitats, sustainable land-use and protecting biodiversity. Dr Wheeler has also been involved in research on the importance of traditional ecological knowledge, and its role in restoring ecosystems.

ARU has also been a part of an ongoing study led by Dr Peter Brown and Dr Helen Roy, calculating long-term trends for Britain's 47 Ladybird species. In addition to the research, their Ladybird workshops

held in 2020 attracted 595 attendees and have close to 5000 views on YouTube.

We have a net-gain biodiversity policy on our campuses, to ensure that the net value of biodiversity on our land is protected or enhanced. Our campus grounds are managed to include wildlife habitats, and we have biodiversity trails on our Cambridge and Chelmsford campuses. We encourage staff and students to spend time in the green spaces on our campuses and to note the wildlife found there. Our

ARUgreen scheme invites staff and students to report wildlife sightings on campus, and our 'green pockets' of wildlife habitat are signposted.

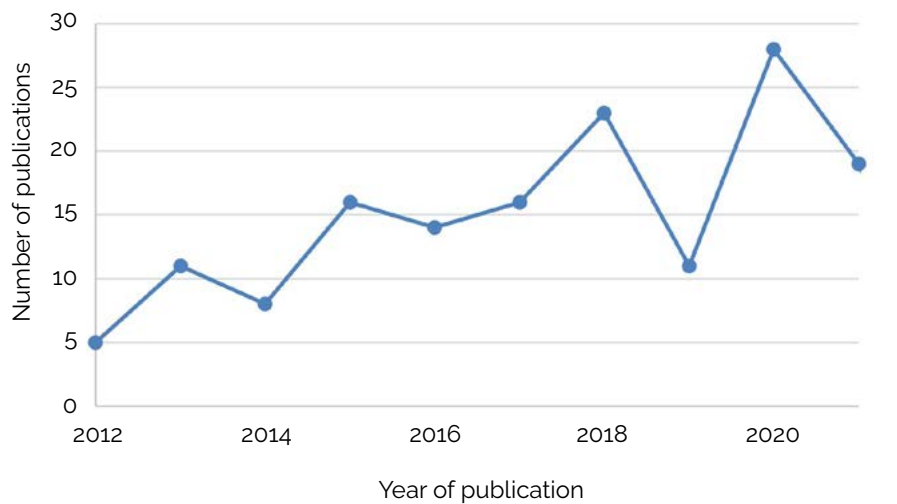
Our Wildlife Society works closely with local conservation groups to protect biodiversity in our wider community. We received a Living Landscapes Award from the Essex Wildlife Trust for our restoration of the River Chelmer Millpond, which now forms part of the Chelmer Valley Heritage and Nature Trail.

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

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



Fig 16. Number of published outputs relevant to SDG 16, Peace, Justice and Strong Institutions at Anglia Ruskin University between 2012–2021



Our research as well as public engagement, innovation and outreach activities rely heavily on partnerships with local stakeholders, including local and regional government.

At the Global Sustainability Institute, Professor Chris Foulds was part of the Responsible Research & Innovation Networked Globally (RRING) Project which was funded through the EU Horizon 2020 Programme. It had a series of research objectives including:

- Understanding of the global State of the Art in responsibility in research
- Understanding how responsibility may contribute to the achievement of the Agenda 2030 and the SDGs

- Understanding and advocating responsibility in research and innovation as not only a moral value, but also as a competitive advantage for excellence in research and innovation

Our policies and procedures aim to strengthen transparent and ethical functioning. We have an anti-bribery policy, which was last reviewed by the Board of Governors in July 2022. In relation to organised crime, the University has a number of measures in place for seeking to prevent fraud and to respond where incidences do occur.

Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

17 PARTNERSHIPS FOR THE GOALS





Partnership building, collaboration and public engagement are at the heart of everything we do at Anglia Ruskin University.

Our research is strongly focussed on achieving real world change and impact, and build in collaborations with non-academic partners at all stages.

Researchers at the Global Sustainability Institute have partnered with academic colleagues, policy workers and civil society leaders on a number of EU Horizon 2020 projects, including leading projects that bring together social science and humanities researchers from across the EU who focus on sustainable energy transitions. Professor Jones also chairs the Biodiversity Working Party for the Institute & Faculty of Actuaries who are developing educational and research policies for the institute (which represents 30,000 actuaries worldwide) as well as advising on their policy and government engagement around financial implications of biodiversity loss.

At our School of Life Sciences, Dr. Danielle Green was a technical expert on biodegradable plastics, nominated by Flora and Fauna International and the European Environmental Bureau (EEB), which is Europe's largest network of environmental citizens' organisations, bringing together over 160 civil society organisations from more than 35 European countries, to provide evidence at the European Chemicals Agency (ECHA) Committee for Risk Assessment (RAC) meeting in Helsinki on 26 of November 2019.

ARU supports the NGO 'Accounting for Sustainability' which work with Chief Financial Officers and finance teams around the world by developing best practice examples and toolkits to embed sustainability into financial reporting.

Our annual Sustainable Sainji field trip supports students to volunteer their skills in partnership with the village of Sainji in India, and we act as a mentor to other UK Universities through the National Union of Students' Responsible Futures accreditation

We employ a team of Higher Education Champions (HEC) to deliver the project 'Take Your Place'. Targeted outreach involves our HEC delivering activities in specific schools including offering help with personal statement writing, mentoring, and workshops. Strategic outreach involves working with BAME students, children of military families, carers & care leavers. We have collaborated with the Cambridge & Peterborough Combined Authority, Festival Bridge, East Cambs and Fenland Opportunity Area & NCS to achieve these aims.

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Chelmsford campus

Bishop Hall Lane, Chelmsford CM1 1SQ

ARU Peterborough

University House, Bishop's Road, Peterborough PE1 5BW

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