

PRiME

This is our **Sharing Information on Progress (SIP)**
Report on the Implementation of the **Principles for**
Responsible Management Education



UNIVERSITY OF
DERBY

PRINCIPLES FOR RESPONSIBLE MANAGEMENT EDUCATION

Sharing Information on Progress (SIP) Report
College of Business, Law and Social Sciences

2017-2019



UNIVERSITY OF DERBY

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The University of Derby is based in the English Midlands on various campuses, in Buxton, Derby and Chesterfield. The University hosts five Colleges:

- > Arts Humanities and Education
- > Business Law and Social Sciences
- > Life and Natural Sciences
- > Engineering and Technology
- > Health and Social Care

The University is rated Gold in the Teaching Excellence and Student Outcomes Framework (TEF) and the Top 30 in the Guardian University Guide 2020. It is also No 1 International Student Centre in the UK (International Student Barometer 2018 UK Benchmark Group) as well as in the top 10 in the world for international student learning experience (International Student Barometer 2018 Global Benchmark Group).



The PRME Sharing on Information Progress (SIP) Report outlines the College of Business Law and Social Sciences progress over 2017-2019 on the following PRME principles:



**PRINCIPLE ONE
PURPOSE**

We will develop the capabilities of students to be future generators of sustainable value for business and society at large and to work for an inclusive and sustainable global economy.



**PRINCIPLE FOUR
RESEARCH**

We will engage in conceptual and empirical research that advances our understanding about the role, dynamics, and impact of corporations in the creation of sustainable social, environmental and economic value.



**PRINCIPLE TWO
VALUES**

We will incorporate into our academic activities, curricula, and organisational practices the values of global social responsibility as portrayed in international initiatives such as the United Nations Global Compact.



**PRINCIPLE FIVE
PARTNERSHIP**

We will interact with managers of business corporations to extend our knowledge of their challenges in meeting social and environmental responsibilities and to explore jointly effective approaches to meeting these challenges.



**PRINCIPLE THREE
METHOD**

We will create educational frameworks, materials, processes and environments that enable effective learning experiences for responsible leadership.



**PRINCIPLE SIX
DIALOGUE**

We will facilitate and support dialogue and debate among educators, students, business, government, consumers, media, civil society organisations and other interested groups and stakeholders on critical issues related to global social responsibility and sustainability.

COLLEGE OF BUSINESS, LAW AND SOCIAL SCIENCES



Foreword

By Professor Kamil Omoteso

Pro-Vice-Chancellor and Dean of the College

Reflecting on Derby's unique heritage as one of the birthplaces of the first Industrial Revolution and the crucial need to transition to a global sustainable economy, it is heartening to see the growth of the College's focus on pro-environmental, pro-social business over the past years. Since joining PRME in 2015, there has been considerable success in working with regional industry, Derby City and local government from an applied research, partnership and dialogue perspective. The focus on applied research and knowledge exchange that makes a real difference to business, society and environment, is already assisting regional business in this pivotal transition and, in some instances, also influencing local policy. There is also a significant international research profile growing in terms of sustainable, green operations and business innovation. All of which is informing our business curriculum, which has been steadily integrating sustainable and responsible themes across the various business disciplines.

As we enter the pivotal 10-year window to address the 2030 Sustainable Development Goals, we intend to significantly progress our efforts to integrate the PRME agenda further. We will continue to build partnerships and dialogue with Industry, Government and regional communities from an applied research, knowledge exchange and civic engagement perspective. We will continue to update our curriculum to address the emergent socio-economic and environmental challenges facing business and society, with a particular focus on integrating the Sustainable Development Goals (SDGs) into our formal and informal teaching curriculum. We recognise that this focus requires a holistic approach so we will be working to engage across the Institution on the PRME agenda and to achieve an inter-disciplinary approach to teaching, research and knowledge exchange. As an institution, we have recently reconfigured our internal structures and are currently developing a new Institution-wide Sustainability Strategy. This collaborative and holistic approach, both internally and externally, is key to enabling us to make an effective transition as an organisation. This, in turn, will allow us to take up a key role in enabling our students, business and the wider society to meet our national Clean Growth goals as well as the 2030 Agenda for Sustainable Development.

As the name suggests, the College of Business Law and Social Sciences comprises three main discipline areas: law, social sciences and business. In 2015, the Business School joined PRME and since then has been working through the College to further this agenda.

Key Achievements

Business School

- > Business Accounting and Finance: Top 10 in the Guardian University Guide 2020
- > Business, Management and Marketing: Top 10 in the Guardian University Guide 2020
- > BA (Hons) Accounting and Finance - 96% overall satisfaction, National Student Survey 2019 BA (Hons)
- > Business Management - 91% overall satisfaction, National Student Survey 2019
- > BSc (Hons) Logistics and Supply Chain Management - 93% overall satisfaction, National Student Survey 2019

Law and Social Sciences

- > Criminology: Top 10 in the Guardian University Guide 2020
- > BA (Hons) Sociology - 96% overall satisfaction, National Student Survey 2019

Centre for Contemporary Hospitality and Tourism Hospitality

- > Event Management and Tourism: Top 5 in the Guardian University Guide 2020 (NB this includes spa, wellness and culinary management)





PRINCIPLE ONE PURPOSE

We will develop the capabilities of students to be future generators of sustainable value for business and society at large and to work for an inclusive and sustainable global economy.

University of Derby

An Applied University of Today and for Tomorrow

Located in the heartlands of England, surrounded by a strong industrial community, our purpose as a University is to empower people across the globe to achieve their potential and make a positive contribution to society. In 2018 the University of Derby launched its Strategic Framework and given the premise of PRME, its strategic pillars are highly relevant in light of the challenge to move towards a new, sustainable, global economy.



The aim of PRME principle one to develop the capabilities of students as future generators of sustainable value for business and society very much fits with our aspiration to be a **Game Changer**. As a university, we recognise the need to stretch ourselves and our students to think beyond the status quo and find the ingenuity, curiosity and innovation needed to respond successfully to this emerging global climate change situation. Similarly, the strategic pillar of becoming a **Force for Positive Impact** sits at the heart of PRME and the emerging global movement that is trying to reposition business as a force for good. Our third strategic pillar **'Opening Doors for Everyone'** builds on our ongoing efforts to widen participation with latest developments in this area including an enhanced focus on inclusive curriculum practice and development of degree Apprenticeships across a wide range of topics.

Regionally, Derby has a unique history given it is one of the birthplaces of the first Industrial Revolution as well as being a major hub for innovation in rail and manufacturing and a rapidly growing service industry. Home to many international companies, Derby makes more goods to sell abroad than anywhere else in England, making it one of the cities most plugged into the global economy. Given this, the fact that Derby City was the first UK city to sign up to the United Nations Sustainable Development Goals and Global Compact Cities Programme, is particularly significant in light of the PRME agenda. In July 2019, the Vice-Chancellor of the

University of Derby, in recognition of the Climate Change emergency, declared the importance of developing a sustainability pathway in terms of how we address this issue as a University and in how we support local businesses and communities from a civic, educational and research perspective.

Our approach to PRME within the College of Business, Law and Social Sciences

Within the College, we interpret responsible management education in its broadest sense and believe that concepts such as sustainability, ethics and responsibility are applicable across our teaching and research portfolio. Given the increasing demand for this curriculum by both students, staff and the business sector, we have assigned specific teaching responsibilities across the Derby Business School to take

responsibility for PRME. Each discipline area has nominated several PRME representatives who, in tandem with a newly appointed College Sustainability / PRME Champion, will work to ensure the ongoing integration of this agenda within the College school curriculum. A key focus for the coming years will be the incorporation of the Sustainability Development Goals into the College curriculum. Building on the growing body of global and local sustainability-focused business research generated by College Research Centres and Sustainability Business Cluster, the priority for the coming two years will be to continue to generate applied business research demonstrating impact on a business, environmental and social level. This will include expanding our focus into a more inter-disciplinary approach to pro-environmental, pro-social business research and working with other Colleges to achieve this more holistic approach.



Priorities for 2020-2022

- > Extend the scope of PRME beyond our College to the broader institution
- > Embed the Sustainable Development Goals into College teaching curriculum informed by applied research into pro-environmental, pro-social business
- > Develop a collaborative, holistic and inter-disciplinary approach to this agenda by working cross-colleges on both a teaching and research level.
- > Given our strong industrial community, work collaboratively with industry, research and academia in the co-creation of curriculum and business research supporting an effective transition into a global sustainable business economy
- > Contribute to the University-wide Sustainability Strategy



PRINCIPLE TWO VALUES

We will incorporate into our academic activities and curricula the values of global social responsibility as portrayed in international initiatives such as the United Nations Global Compact.

University and PRME

Our Purpose.

From the heart of England, we empower people across the globe to achieve their potential and make a positive contribution to society.

As part of our 2018 strategic framework launch, the University, we agreed on our key purpose and values. In the face of the urgent challenge of Climate Change, the need to transition into a global sustainable economy and work towards the global 2030 goals, along with UK Industrial Strategy (2017) grand challenges, makes it clear that we, students and staff, will need to hold to our University values if we are to act ethically and creatively on behalf of current and future generations.

Our Values

We value people, are future-focused, bold and foster brilliance.

In this context, we recognise the importance of PRME in supporting the University in this global transition to meet these wider business, environmental and societal needs. The feedback from students, staff, business, government and the regional community around the sustainability and clean growth agenda, has reached a convergence point which calls for strengthened action and a focused, collaborative and holistic approach. Institutionally, we aim to achieve

Responsible Futures NUS Accreditation, and as a College, we plan to review afresh how to ensure a more current and deeply embedded integration of sustainability and global social responsibility into our University offer. This will build on the progress that has occurred since we joined PRME in 2015, the growing expertise in pro-environmental, pro-social applied research and the increasing dialogue and partnerships with businesses to help inform our provision. We also aim to work collaboratively across Colleges to ensure a more holistic and inter-disciplinary approach to this agenda as an Institution.

Civic University

In Feb 2019, the University reaffirmed its commitment to Derby and Derbyshire, producing a 'Civic University Agreement' in partnership with local government and other major institutions. Given the opportunity to work with our local community 'sustainability' is a priority given Derby City's membership of the UN SDGs and Global Compact Cities Programme. This, along with the focus on the Clean Growth Grand Challenge, the current UK Industrial Strategy and the government's commitment to becoming carbon neutral by 2050, deepens the imperative to support our regional community in proactively addressing these core issues.

Becoming Sustainable as a University

We are a Fairtrade University and are currently working towards the new certification. Each year we engage in Go Green Week and Fairtrade Fortnight to help engage students and staff in the sustainability agenda. We are also working to achieve Responsible Futures in 2020, which is an NUS accreditation which focuses on teaching students about sustainable development both through the curriculum and extracurricular activities. This will dovetail with our PRME efforts, particularly the decision to incorporate the Sustainable Development Goals into our College curriculum.



BSI ISO 14001 Accreditation for Environmental Management System

In June 2016, the University set up an environmental steering group to lead on sustainable in-house practice. The aim was to make sustainability a central theme amongst all staff and students. Hence, working collaboratively across the University sites enabled us to gain ISO 14001 in 2017. This year we have put in place a new structure to increase the operational awareness across the whole Institution, this is the new Environmental Compliance Group, whose responsibilities include evidencing compliance and ensuring activities meet our EMS procedures. We also have greater representation at VCE level, through the sponsorship of Prof. Malcolm Todd and increased reporting at this level. Part of the requirements for the ISO 14001 Accreditation is to prove continual improvement so these changes, moving forward, will ensure the University is compliant and is part of an institution-wide scheme to improve environmental sustainability.

Priorities for 2020-2022

- > Further integrate PRME into our formal and informal College curriculum and research activities with a focus on the SDGs
- > Achieve Responsible Futures NUS Accreditation as an Institution
- > Create a University Sustainability Strategy, which will include an Energy Masterplan, as it is accepted that this will be the University's most considerable challenge over the next ten years.
- > Nominate Environmental Change Champions across the University, using the Change Champion structure which already exists.
- > Create an Environmental Compliance Group for the operational aspects of the EMS throughout the University.
- > Create a Sustainability Ideas and Innovation University forum, to ensure all staff have an opportunity to be engaged with the aspirations of the University



PRINCIPLE THREE METHOD

We will create educational frameworks, materials, processes and environments that enable effective learning experiences for responsible leadership

Progress over the past two years

In a recent review of our undergraduate and postgraduate provision, the focus around Responsible Management Education is steadily permeating through all of the Business School curriculum (see table on page 14). Themes such as ethics and sustainability in business, social marketing, responsible HR practice, corporate social responsibility and responsible leadership are becoming increasingly prevalent in our undergraduate level 5-6 provision. The informing of curriculum by research from our College Research Centres can be seen through the increasing focus on the 'greening of the supply chain, sustainable and ethical sourcing and responsible finance and accounting.

This is also evident in the choice of dissertations, independent studies, and applied professional doctorate studies (DBA), where learners are actively exploring this transition into sustainability across various sectors. This is coming through themes such as environmental sustainability in Health Care, Education, Oil and Gas, Business, green supply chain practices, lean and green innovation in operations, responsible leadership and HR practices.

In projecting forwards into the next two years, we have agreed to nominate representatives from each College discipline to progress the PRME agenda, this time focusing on how we can address the Sustainable Development Goals in our curriculum. This is not only in line with PRME principles but will also support the University intention to achieve Responsible Futures NUS accreditation which puts sustainability and social justice at the heart of education. This will allow us to look at making sustainability part of everyday

life, not only in our curriculum but also across campus and working with the Student Union to help students thrive as global citizens and future leaders of sustainability.

Case Study Examples

Economics for Sustainable Business Growth Module (L6)

Given the module tutor is a member of the Education for Justice (E4J) Committee, this module is taking part in the Education for Justice UN initiative, which engages globally with Universities in relation to the UN Sustainable Development Goals. In this module students learn about sustainable business growth in relation to the SDGs. As part of the module, the students participate in a trip to UN Vienna, where they have lectures on the SDGs as well as attend sessions by United Nations Industrial Development Organisation (UNIDO). The curriculum for this module includes UN validated content on Ethics and Anti-Corruption, developed as part of the E4J tertiary education teaching resources.

MSc. Sustainable & Ethical Business Management (L7)

In October 2019, we received approval to validate a work-based learning MSc. Sustainable & Ethical Business Management for the corporate UK & International market. The programme is to support the business sector in the transition to a globally sustainable and ethical economy. It will address strong sustainable and responsible practice from an integrated business perspective.

It will offer a holistic, inter-disciplinary competencies-based curriculum which is seen as essential in meeting the complexity of the new emerging business landscape. It will also shift from formal lecturers to a more 'seminar-led approach' with inputs from research, academic and industry guest speakers, underpinned by action methods and implementation into the learner's workplace. There will also be the opportunity to link with the De-Carbonise Network and other University networks and Research Centres.

Ethics & Sustainability Module (L6)

This module runs on all BA (Hons) Marketing degrees and looks at several ethical issues and sustainability through a series of lectures and seminars. Initially, we consider consumer lifestyle in terms of sustainability, for example, in terms of the products we buy, the transport we use, energy usage, number of flights per year etc. We also look at current and topical Ethics and Sustainability issues in the media as well as consider environmental accreditations such as ISO 14001. The students then work on an assignment which is designed to help encourage certain businesses to become more ethical / sustainable. The assessment is an electronic poster plus a supporting report which looks at the impact on stakeholders, strategy and the competitive advantages for the businesses of choosing to be more ethical and sustainable.

PRME Module (L5)

Our Principles of Responsible Management Education (PRME) module is a core module on the majority of our BA Business Management programmes. Closely aligned to the PRME principles, this module opens up the importance of responsible leadership and the understanding of ethics, responsible business practices and global social responsibility relevant to organisations today. Module assessment involves group work to create a video presentation that explores the extent to which an international organisation of choice exhibits responsible management behaviour. This is then further supported by an individual management report critically evaluating aspects of the organisation's operations and behaviour with recommendations to address arising issues.

Supply Chain Student Projects (L5)

As part of the Work Place Development Module, students spend one day per week in the first term at a local business. Given the ongoing focus on sustainability within the supply chain, this year, both groups are focusing on areas of improvement to reduce carbon footprint. They are assigned projects by the organisation and work in teams to collect data, observe, talk to staff etc. They return to the organisations in the 2nd term for 2 or 3 weeks to complete their project and present their findings to the managers. Over the years, we have had some notable successes. For example, Superdry and DHL have implemented students' recommendations for many initiatives. Also, Clipper won the Future Talent Award at 2019's Logistics Awards for the work they do with our students.

Priorities for 2020-2022

- > Further integrate PRME into the formal and non-formal teaching activities, focusing specifically on the Sustainable Development Goals (SDGs).
- > Achieve Responsible Futures NUS accreditation to ensure that by 2030 all learners acquire the knowledge and skills to promote a sustainable way of living and carrying out business
- > Pilot the best pedagogical approach for teaching sustainable education in light of emerging research
- > Work collaboratively with industry, research and academia in the co-creation of curriculum, in alignment with a pro-environmental, pro-social, sustainable business stance.
- > Create a cross-college 'staff development' seminar series to inform and enhance staff knowledge and expertise

BUSINESS SCHOOL CURRICULUM

Programme	Ethics	Sustainability	Climate Change	CSR / Corporate Governance	Ethical HRM	Ethical / Responsible Leadership	Green Supply Chain	Responsible Management	Sustainable Accounting/Finance	Social Marketing	Sustainable Organisations
BA (Hons) Business Management	•	•	•	•		•	•	•			•
BA (Hons) Business Management (Enterprise)	•	•	•	•		•	•	•			•
BA (Hons) Business Management (HRM)	•	•	•	•		•		•			•
BA (Hons) Business Management (International Business)	•	•	•	•		•	•	•			•
BA (Hons) Business Management (Marketing)	•	•	•	•		•		•			•
BA (Hons) Business Management (Finance)	•	•	•	•		•	•	•			•
BA (Hons) Business Studies	•	•				•	•				
BA (Hons) Economics	•	•		•							
BA (Hons) International Business	•	•		•							
BA (Hons) International Business & Finance	•	•		•			•				•
BA (Hons) Marketing (Management)	•	•								•	
BA (Hons) Marketing (Management) Top-Up	•	•								•	
BA (Hons) Marketing (Management) with Foundation Year	•	•								•	
BA (Hons) Marketing (PR and Advertising)	•	•								•	
BA Hons Accounting & Finance	•	•							•		
BA Hons Business Accounting & Finance	•	•		•					•		
BA Hons International Accounting (Top-Up)	•	•		•					•		

Programme	Ethics	Sustainability	Climate Change	CSR / Corporate Governance	Ethical HRM	Ethical / Responsible Leadership	Green Supply Chain	Responsible Management	Sustainable Accounting/Finance	Social Marketing	Sustainable Organisations
BA. Marketing Joint Honours	•	•								•	
BSc (Hons) Marketing (Consumer Psychology) with Foundation Year	•	•								•	
BSc. (Hons) Economics & Finance	•	•		•							
BSc. (Hons) Finance	•	•		•							
BSc. (Hons) Finance with foundation year	•	•		•							
BSc. (Hons) Marketing (Consumer Psychology)	•	•								•	
BSc. (Hons) Marketing (Digital)	•	•								•	
BSc. (Hons) Marketing Digital with Foundation Year	•	•								•	
BSc. Logistics and Supply Chain Management	•	•					•				•
M.Accfin MA Accounting & Finance	•	•		•					•		
M.Sc. Human Resource Management (Top up)	•	•			•						•
MBA Global						•	•				•
MBA Global (Finance)						•	•				•
MBA Global Finance - Part time						•	•				•
MSc. Marketing Management	•	•								•	
MSc. Strategic Leadership	•	•		•		•					
MSc. Supply Chain Improvement	•	•					•				•



PRINCIPLE FOUR RESEARCH

We will engage in conceptual and empirical research that advances our understanding about the role, dynamics, and impact of corporations in the creation of sustainable social, environmental and economic value.

College of Business, Law and Social Sciences has a strong track record of support for local and regional business enterprise, and this is reflected in our support for pro-environmental, sustainable, green and eco-friendly business innovation, as well as through our research into clean growth and the low carbon economy more broadly.

Research Centres

Our College Research Centres, the **Centre for Supply Chain Improvement, Centre for Business Improvement, Social, Cultural and Legal Research Centre** and the **Centre for Contemporary Hospitality and Tourism** have continued to further research into areas such as the low carbon economy, clean growth, sustainable business and the green economy, circular economy, sustainable supply chain, green lean operations, green logistics, sustainable manufacturing, inequality, social and justice research, modern slavery, responsible customer engagement, sustainable development and wellbeing.

The **Centre for Supply Chain Improvement** led by Professor Jose Arturo Garza-Reyes is a centre of excellence for operations and supply chain management in advanced research and industry partnerships. In association with the Industry, Professional Institutes and International Societies, the centre addresses some of the most critical challenges facing organisations in terms of their supply chains and internal operations. The centre pioneers research into sustainable, lean and agile supply chains and internal operations and actively publishes into areas such as Green Lean, Sustainable, Green and Circular Operations and Supply Chain amongst other relevant research themes.

The **Centre for Business Improvement** led by Professor Carley Foster supports organisations in improving their performance through applied, multidisciplinary research. Activities include commissioned research, consultancy, training, doctoral research, student projects and other knowledge exchange activity. Relevant research themes within the Centre include, sustainable business and the green economy, responsible customer engagement, accountability and sustainable accounting.

The **Social, Cultural and Legal Research Centre** led by Professor Alex Nunn focuses on research themes such as inequality and social justice, legal and justice research, including environmental justice. This has included a UN Global Compact Baseline Research in Derby and several articles critiquing the Sustainable Development Agenda from an EU and other global perspectives.

The **Centre for Contemporary Hospitality and Tourism** focuses on the 'visitor economy', a place-centred concept concerned with the whole environment where visitors, locals and tourists interact. Its research makes a direct contribution to the economic, social and well-being of individuals, organisations and destination, with a particular focus on sustainable development, wellness and community engagement.

Case Study - Funded Project

Adoption of Green Technologies and Sustainability Standards for Emerging Economies: the case of Mexico

The Centre for Supply Chain Improvement

Sustainable development has become a major challenge for governments, companies, and all stakeholders involved. Concerns about the negative impacts of industrial activity on the environment, society, and the economy have led to an international debate about what should be done to tackle these problems. Emerging economies are reported to be some of the main areas of opportunity to mitigate social inequality,

greenhouse emissions, and to foster economic development. Under this context, the objective of this project is to conduct an investigation of the adoption of green technologies and energy sustainability standards in Mexico, considering best practices in the UK. There is little research documenting these adoptions in the Mexican industrial environment and its benefits to economic development. Thus, the adoption of such technologies and energy sustainability standards are key factors that can foster regional development, help to mitigate social inequalities and provide a better quality of life. This is a three years project funded by the British Academy under the Advanced Fellowships scheme and is carried out the Centre for Supply Chain Improvement, In collaboration with the Instituto Politécnico Nacional of Mexico.

Derby Business School

Sustainable Business Cluster

Our team of research-active staff work with academic colleagues across the College and wider University to ensure that student programmes reflect our commitment to sustainable development goals and the increasing importance of 'pro-environmental' business to the local, regional and national economies.

Our wide range of expertise also allows us to:

- > Undertake practical and applied research into pro-environmental business innovation
- > Help businesses share knowledge and connect expertise across the low carbon sector
- > Support business innovation – in particular for SMEs and the leadership of pro-environmental innovation across supply chains, localities and public services

Close relationships with regional bodies have allowed us to develop regionally significant data sets on clean growth and pro-environmental business needs and through this influence regional policy.



The Low Carbon Business Network

For the past two years, the University has been supporting small- and medium-sized companies through its Low Carbon Business Network, an ERDF-funded project. This was a collaboration between Derby Business School in partnership with Institute for Innovation in Sustainable Engineering, Derby City and Derbyshire County Council. The aim was to support local businesses who supply low carbon environmental goods and services by accelerating the adoption of eco-friendly, low carbon, green products and services in key supply chains. This led to environmental, economic and social impact for individual SMEs as well as influencing regional policy by informing the D2N2 LEP Energy Strategy & Local Industrial Strategy.



Impact Case Study

Configuring enterprise support to benefit pro-environmental outcomes: Changing awareness, practice and policy in the Midlands.

Our Researchers are currently working on an Impact Case Study for the Research Evaluation Framework 2020 entitled: *Configuring enterprise support to benefit pro-environmental outcomes: Changing awareness, practice and policy in the Midlands.*

The study shows the impact of our research on enterprise development, reduction of firms' environmental impact, enterprise support activities and engagement with the local and national policy community since 2012. We show that our research has informed enterprise interventions and helped to establish the well-subscribed pro-environmental enterprise network that comprises over 130 SMEs operating in the D2N2 LEP region. This work has generated an impact on two levels:

- > Individual SMEs - economic (access to low carbon goods and services (LCGS) markets), environmental (carbon reductions, improved energy performance) and practitioner (increased awareness) impacts
- > At the policy level through informing the D2N2 LEP Energy Strategy and Local Industrial Strategy.

In September 2019, we invited 26 delegates from 9 programmes around the UK to Derby to explore the elements of effective pro-environmental enterprise support. As a result of this collaboration, we plan to develop a 'Framework for Action' and Tool-kit that can be used by pro-environmental programmes around the country and beyond to review and improve their provision and better support SMEs to make the shift to a more sustainable economy.



Postgraduate Research 2020-2022

The College has two key strategic goals which relate to PhD and Professional Doctorate supervision in its plans for the next five years. Firstly, to expand the number of PhD students under supervision. Secondly, to conduct applied research that makes a real difference to business and society. Our view is that making a real difference to business and society has at its heart the issue of sustainability; ensuring that business, people, and the communities they live and work in move to a more sustainable footing reflective

of the increasing resource constraints that we face. To meet both of these strategic goals, we need to support doctoral studies that engage with and address deeper issues relating to the socio-economic fabric of our society, and this places sustainability, environmental concerns, CSR and broader aspects of social enterprise front and centre. We aim to build this research capacity by increasing the numbers of PhD and Professional Doctorates (DBA) projects.

Priorities for 2020-2022

- > Conduct applied research that makes a real difference to business, society and environment
- > Build research capacity by expanding the number of PhD and Professional Doctorates students over the next five years
- > Investigate an inter-disciplinary approach to pro-environmental, pro-social business research
- > Work regionally with Derby City Council and Derbyshire County Councils to create a Low Carbon Economy 'Round table' to take forward proposals falling out earlier research activity.
- > Integrate Sustainable Development Goals into our research focus
- > Build an international research profile in relation to pro-environmental, pro-social business research

The D2EE Low Carbon Project

Between 2017-2019 our team secured funding from the European Regional Development Fund and formed a partnership with the University of Derby Institute for Innovation in Sustainable Engineering (IISE), Derby City and Derbyshire County Councils to deliver business support to pro-environmental SMEs in the D2N2 Local Enterprise Partnership through tailored support to 33 SMEs via workshops and 1:1 tailored support on the principles of circular economy; green finance & funding; digital marketing; sustainable branding; low carbon tendering & procurement; environmental accreditation; sustainable business value mapping and pitching for green business.

<https://www.lowcarbonbusiness.net/green-growth-accelerator-programme-autumn-2018-copy/>



DE-Carbonise Project

DE-Carbonise is a follow-on to the Low Carbon Project. Eligible businesses receive a full needs analysis and emissions reduction assessment before accessing support for energy and resource efficiency (grants), product development or business development. The Business School strand of DE-Carbonise aims to help local SMEs to develop new 'pro-environmental' capabilities, improving both business and environmental performance by de-carbonising production and supply chain activity.

For more information see <https://www.derby.ac.uk/business-services/fundingservices-and-support/d2ee-low-carbon-project/>

Our Research themes include:

- > Pro-environmental business support
- > Sustainability leadership
- > Pro-environmental Business Networks
- > Environmental Capability Development
- > Environmental and Clean Growth strategy
- > Sustainable Business Operations
- > Smart Manufacturing
- > Circular Economy
- > Sustainable Supply Chain
- > Food Supply Chain
- > Lean and Agile manufacturing
- > Education for Justice

Selected Publications

- Akanbi, L.A., Oyedele, L.O., Omoteso, K., Bilal, M., Akinade, O., Ajayi, A.O., Davida Delgado, M.J., Owolabi, H.A. (2019) "Disassembly and Deconstruction Analytics System (D-DAS) for Construction in a Circular Economy", *Journal of Cleaner production*. 223: 386 - 396.
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- Athanasoulis, D. and Goujard, A., 2015. Corruption and management practices: Firm level evidence. *Journal of Comparative Economics*, 43(4), pp.1014-1034.
- Baranova, P. & Conway, E. (2017) 'Transition to a Low Carbon Economy: An SME Perspective'. In Baranova, P., Conway, E., Lynch, N., & Paterson, F. (eds) *The low carbon economy: Understanding and supporting a sustainable transition*. London. Palgrave Macmillan. Ch.5, p.87-115
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PRINCIPLE FIVE PARTNERSHIP

We will interact with managers of business corporations to extend our knowledge of their challenges in meeting social and environmental responsibilities and to explore jointly effective approaches to meeting these challenges.

Regional Partnerships

The Sustainable Business and Green Economy research cluster has a long-established collaboration with Derby City and Derbyshire County Councils since 2012. As a result of this collaboration, an award-winning ERDF D2EE project with an overall project value of 1 million has been designed and delivered. Both councils were partners in the delivery of the project resulting in significant carbon savings and business growth of pro-environmental SMEs in D2N2 LEP area. The success of this project led to another successful ERDF bid with our partners for the continuation DE-Carbonise project starting in November 2019. Our partnership is far-reaching and goes beyond the applications for large EU funding showcasing several broader regional initiatives on climate change and carbon neutrality in the context of the Peak District National Park and the key cities of the region.



Through our collaboration with the East Midlands Chamber of Commerce, we are mapping data about the growth of businesses that supply Low Carbon and Environmental Goods and Services (LCEGS). By Spring 2020, we will have collected data for four annual data points which provide the region with a (possibly) unique insight into the growth of LCEGS firms across the region. Our Skills Study (Paterson et al. 2018) adds to this picture by describing the variety of skills needed in different sectors and presents the strategic argument that

regional agencies should be looking to support 'pro-environmental niches' of innovation in every sector - not merely in traditional low carbon and environmental goods and service sectors (LCEGS) such as energy efficiency, energy generation and construction.

Supporting business in the transition to a Low Carbon economy

Through our ERDF funded Low Carbon Project, over the past three years, we have provided tailored support to 33 companies on subjects such as; Green Digital Marketing, Circular Economy, Ultra Low Emission Vehicles fleet management, Green Funding & Finance, Waste Management & Value Streams and five Clean Growth co-mentoring group meetings and helped 13 SMEs to secure green accreditation, helping them to reduce their carbon emissions by an estimated 41 tCO₂e.

The Low Carbon Business Network

The Low Carbon project team created the Low Carbon Business Network in 2017. Originally an ERDF-funded project, the network now supports more than 130 local businesses that supply low carbon and environmental goods and services by accelerating the adoption of eco-friendly, low carbon, green products and services in key supply chains. The network connects SMEs and increases their visibility across the region among larger companies, helping them to grow their business.

<https://www.lowcarbonbusiness.net/network/>



Future partnership opportunities

We see the building of partnership as a key principle given the emergent nature of the shift to a globally sustainable economy. Therefore, understanding business needs in terms of

research, knowledge exchange and curriculum is something we hope to achieve via the establishment of a Sustainable & Responsible Industry Advisory Group. This will build on our existing regional partnerships, low-carbon network and be inclusive to our Small Business Charter offer.

Priorities for 2020-2022

- > Ensure our applied research into pro-environmental, pro-social business continues to help up-skill the industry and inform policy
- > Include this focus in our Small Business Charter offer to SME's in our regional and national area
- > Establish a 'Sustainable & Responsible Business' Industry Advisory Group to extend our knowledge of industry needs and to collaborate in the co-creation of relevant curriculum, knowledge exchange and research opportunities.
- > Continue to build partnerships with regional and national business via our Regional Partnership networks and European-funded projects
- > Continue to run the Low Carbon Business network and offer conferences, network events supporting businesses in their efforts to de-carbonise.



PRINCIPLE SIX DIALOGUE

We will facilitate and support dialogue and debate among educators, students, business, government, consumers, media, civil society organisations and other interested groups and stakeholders on critical issues related to global social responsibility and sustainability.

Over the past two years, there has been a growing engagement and dialogue with key stakeholders in Derby City, Derbyshire as well as a regional and national basis.

Derby is the first UK city to sign up to the United Nations' Sustainable Development Goals and Global Compact Cities programme. In partnership with the City, the University hosted and facilitated a UN Global Compact event to look at how Derby City can embrace global sustainability goals and the role local business plays in achieving these goals. Professor Alex Nunn led an invited panel of experts made up of Steve Kenzie, Executive Director of the

UN Global Compact Network UK; Councillor Mike Carr, Mayor of the City of Derby; Andrew Clifton, Global Sustainability Manager for Rolls-Royce; Ken Steers, Group HR Director of the Cordant Group; Hardyal Dhindsa, Derbyshire Police and Crime Commissioner; Dr Wendy Chapple, Associate Professor at Nottingham Business School, and Dr. Fred Paterson, Associate Professor, University of Derby



SMART Cities & Communities Think-Tank, June 2019

In dialogue with Derby City and Derbyshire, UoD hosted the first of its annual think tank events for over 50 key decision-makers across Derby and Derbyshire. The 'Smart Cities & Communities' event took as its focus, the impact of major technological and environmental challenges on Derby and the communities of Derbyshire over the next 20 years. This event was supported by two Low Carbon Business Network Working Group meetings (attended by 24 business owners/managers) that added the voice of pro-environmental SMEs to both the Think-Tank and the consultation on the Local Industrial Strategy. From this, a shared action plan was agreed with University commitment to collaborate with the private and public sector to construct a prototype carbon positive ecopod as a showcase for D2's carbon-neutral ambitions and for the University to devise and roll-out a Civic Leadership for Smart & Sustainable Futures short course.

As part of our Civic University and SMART Cities agenda, the University hosted the Peak District Think Tank in both 2018 and 2019. Again, in collaboration with key stakeholders, the econo-social and environmental issues facing the world-renowned national heritage site, Peak District were identified and an action plan decided. One of the key outcomes is to ensure is to explore partnership working to deliver a net-zero peak district by 2050.

Other regional and national dialogue events include:

There have been a series of dialogue events in the past two years. In 2017 we hosted the first regional 'Leading the Shift to a Low Carbon Economy' conference that was attended by SME, corporate and public sector leaders. Having successfully co-hosted this regional summit with the East Midlands Chamber on 'Sustainable Business Opportunities for the D2N2' in 2018 and 2019, the University is now planning to re-run it again in 2020.

The Sustainable Business Research cluster ran a Policy-makers event in Sept 2019 'Unlocking SMEs potential towards Clean Growth and a Zero-Carbon Economy'. The Centre for Business Improvement of the Derby Business School at the College of Business, Law and Social Science, University of Derby hosted a British Academy of Management (BAM) workshop titled 'Exploring capabilities for organisational transformation towards sustainability and climate change' in February 2018. The workshop was organised as part of the BAM Sustainable and Responsible Business Special Interest Group (SIG) Event. The event provided an opportunity to connect academics and business practitioners in order to explore the capability required at various levels to support a transition towards a low carbon economy.

Priorities for 2020-2022

Regional:

- > Derby and Derbyshire Councils—We are working with the Councils to create a Low Carbon Economy 'Roundtable' take forward proposals falling out of earlier research activity.
- > Ongoing dialogue with Derby and Derbyshire regarding Derby City UN global Compact City and SMART cities agenda
- > Continuing dialogue and research with East Midlands Chamber of commerce in relation to green growth trends within the Midlands region

National/International:

- > Engagement with the newly established UK PRME Regional Network and UK and Ireland PRME Chapter to share knowledge and expertise around embedding of sustainability and the SDGs into our College curriculum.
- > Engaging greater international dialogue through University partnerships with global experts such as the Finland Futures Research Centre, Griffith University, Australia.



PRINCIPLE ONE PURPOSE

We will develop the capabilities of students to be future generators of sustainable value for business and society at large and to work for an inclusive and sustainable global economy.

- > Extend the scope of PRME beyond our College to the broader institution
- > Embed the Sustainable Development Goals into College teaching curriculum informed by applied research into pro-environmental, pro-social business
- > Develop a collaborative, holistic and inter-disciplinary approach to this agenda by working cross-colleges on both a teaching and research level.
- > Given our strong industrial community, work collaboratively with industry, research and academia in the co-creation of curriculum and business research supporting an effective transition into a global sustainable business economy
- > Contribute to the University-wide Sustainability Strategy



PRINCIPLE TWO VALUES

We will incorporate into our academic activities, curricula, and organisational practices the values of global social responsibility as portrayed in international initiatives such as the United Nations Global Compact.

- > Further integrate PRME into our formal and informal College curriculum and research activities with a focus on the SDGs
- > Achieve Responsible Futures NUS Accreditation as an Institution
- > Create a University Sustainability Strategy, which will include an Energy Masterplan, as it is accepted that this will be the University's most considerable challenge over the next ten years.
- > Nominate Environmental Change Champions across the University, using the Change Champion structure which already exists.
- > Create an Environmental Compliance Group for the operational aspects of the EMS throughout the University.
- > Create a Sustainability Ideas and Innovation University forum, to ensure all staff have an opportunity to be engaged with the aspirations of the University



PRINCIPLE THREE METHOD

We will create educational frameworks, materials, processes and environments that enable effective learning experiences for responsible leadership.

- > Further integrate PRME into the formal and non-formal teaching activities, focusing specifically on the Sustainable Development Goals (SDGs).
- > Achieve Responsible Futures NUS accreditation to ensure that by 2030 all learners acquire the knowledge and skills to promote a sustainable way of living and carrying out business
- > Pilot the best pedagogical approach for teaching sustainable education in light of emerging research
- > Work collaboratively with industry, research and academia in the co-creation of curriculum, in alignment with a pro-environmental, pro-social, sustainable business stance.
- > Create a cross-college 'staff development' seminar series to inform and enhance staff knowledge and expertise



PRINCIPLE FOUR RESEARCH

We will engage in conceptual and empirical research that advances our understanding about the role, dynamics, and impact of corporations in the creation of sustainable social, environmental and economic value.

- > Conduct applied research that makes a real difference to business, society and environment
- > Build research capacity by expanding the number of PhD and Professional Doctorates students over the next five years
- > Investigate an inter-disciplinary approach to pro-environmental, pro-social business research
- > Work regionally with Derby City Council and Derbyshire County Councils to create a Low Carbon Economy 'Round table' to take forward proposals falling out earlier research activity.
- > Integrate Sustainable Development Goals into our research focus
- > Build an international research profile in relation to pro-environmental, pro-social business research



PRINCIPLE FIVE PARTNERSHIP

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PRiME

This is our **Sharing Information on Progress (SIP)**
Report on the Implementation of the **Principles for**
Responsible Management Education