

The International Strategy: realising our ambitions

2012–2017

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Foreword

from the President and Vice-Chancellor

Internationalisation has been a fundamental aspect of the University of Surrey for many years. For us to deliver our vision of tackling and finding solutions to global problems, international partnerships in teaching, learning and research are essential. Partnerships form a key plank of our international strategy, which provides the foundations for increasing our international identity through our academic activities. The University attracts students and staff from

across the world, all of whom contribute to making the University of Surrey a truly international place in which to work, study and research.

Our progress in attaining the goals of the International Strategy is highlighted in this publication. I hope that it provides you with a flavour of the wonderful things happening at the University of Surrey as we continue on our global journey.



Professor Sir Christopher Snowden FRS, FREng
President and Vice-Chancellor

Introduction

from the Pro Vice-Chancellor (International Relations)

As the Pro Vice-Chancellor (International Relations), it is a great pleasure to introduce this publication, which summarises our International Strategy and progress made against our strategic aims and future goals. Internationalisation permeates all that we do at the University of Surrey and contributes significantly to realising the University's mission to solve global challenges, lead research and innovation, and provide generations of students with a spirit of curiosity and a desire to improve the world we live in.

As you will see from the International Strategy, partnerships

are key to our success and we highly value sustainable partnerships in teaching and learning, research and enterprise, and staff and student mobility. The ultimate culmination of success in the specific aims of the strategy will be the increased international impact of the University of Surrey and its standing in international league tables.

I hope you enjoy reading this articulation of our International Strategy, the progress that has been made against the strategic aims, and the challenges we need to address to fully realise our international ambitions.



Professor Vincent C Emery PhD FSB
Pro Vice-Chancellor (International Relations)

▶ The University's International Strategy 2012–2017

The mission statement in the University Strategy: 2012–17 provides the architecture for the International Strategy, which sets forth a series of steps to enable the University of Surrey to reinforce and expand the international reputation of the University in all of its endeavours.

The vision of the International Strategy¹ is to ensure that the University of Surrey is recognised as an international leader in high-quality learning, teaching, research and enterprise.

The University is building upon its portfolio of international activities and creating a holistic international strategy, impacting on – and driven out of – the full range of University activities. Importantly, the strategy interfaces

with a range of other University strategies in learning and teaching, research, enterprise and alumni and development.

The following sections provide a summary of the overarching aims of the International Strategy, together with exemplars of how the strategy is being delivered, success stories, and also how the University aims to further strengthen the delivery of the International Strategy in subsequent years.

The University of Surrey is building upon its portfolio of international activities and creating a holistic International Strategy impacting on – and driven out of – the full range of University activities.

¹ The complete international strategy 2012–17 can be found at Appendix 1.



STRATEGIC AIM I: CREATING IMPACT THROUGH INTERNATIONAL PARTNERSHIPS

126

WE HAVE STRATEGIC PARTNERSHIPS WITH 126 ORGANISATIONS OUTSIDE OF THE UK

Progress and highlights

Sustainable international partnerships are a foundation stone to the University's ability to deliver its International Strategy. Currently, we have strategic partnerships with 126 organisations outside of the UK. In particular, the University of Surrey is a core and founding member of the University Global Partnership Network (UGPN), which was launched in 2011 with the University of São Paulo (USP) and North Carolina State University (NCSU). Since its formation, the UGPN has deepened relationships between each partner, especially in student mobility, research programmes involving bilateral and trilateral interactions, and the leveraging of research funds to support work between the partners.

The University is also a member of the Santander Global Universities Network, which provides significant support to enable student and staff mobility within the network. The University of Surrey has supported research student mobility to a range of high-profile universities such as Shanghai Jiao Tong, Tsinghua, USP, Tufts, Peking, Ghana and the National Autonomous University of Mexico.

Our Santander funding also supports a number of other strategic initiatives with members of the Santander Universities Network.

A key aspect of our approach to partnership development is having robust evaluation and approval processes in place to ensure that new partnership agreements are undertaken within the full governance structures of the University, that they contribute to the strategic aims of the University and are sustainable. In addition, this process ensures that all formal agreements conform to the expectations of the UK Quality Assurance Agency (QAA) Quality Code for Higher Education.

Future goals

- » The targeted expansion of the UGPN to include like-minded institutions committed to solving global problems through in-depth interactions
- » Ensuring that partnerships deliver against their key performance indicators in the context of student and staff mobility, and research impact
- » Ensuring the University of Surrey continues to maximise benefits from existing partnerships

Our mission

The mission of the UGPN is to develop sustainable world-class research, education and knowledge transfer through an active international network of selected universities collaborating in research, learning and teaching to benefit our global society.

Our vision

Our vision is for the UGPN to be regarded by key stakeholders as a leader in the field of global academic and research partnerships. By 2016, the UGPN aims to develop a range of innovative solutions to world problems, based on shared research plus a mobility strategy for increasing the number of staff and students with international experience.

Our priorities

Our priorities embrace a holistic approach to internationalisation across all academic activities. We also promote the need for more skilled global graduates. This involves international placement opportunities, student mobility, curriculum innovation, dual and multilateral awards and a summer multidisciplinary doctoral seminar programme.



The Santander Universities Network

The University of Surrey has been part of the Santander Universities Network since 2008. Since then, Santander has provided over £400,000 to Surrey to support Portuguese language teaching, entrepreneurship, work placements and international links. Over 100 awards have been made to students and staff, with links forged between universities around the world – including Peking, Shanghai Jiaotong and Tsinghua in China, Universidade de São Paulo in Brazil, New York University and the

Massachusetts Institute of Technology in the USA, and many more.

Santander's support has enabled Surrey to forge long-term partnerships with leading research universities. For example, Surrey's Advanced Technology Institute (ATI) has developed a strong partnership with Shanghai Jiaotong University in China in the area of nanotechnology. Four PhD students from Shanghai have received Santander awards to enable them to undertake

research placements at the ATI. Dr Radu Sporea, a Research Fellow in the ATI, received a Santander award to enable him to visit Shanghai Jiaotong to develop the relationship. Several joint papers have already been published and in March 2014 the ATI received a Royal Society Grant of £24,000 to develop this partnership further.



► STRATEGIC AIM I: CREATING IMPACT THROUGH INTERNATIONAL PARTNERSHIPS

Surrey and the Organisation for the Prohibition of Chemical Weapons (OPCW)

The OPCW, based in The Hague, Netherlands, was established to enforce the 1997 Chemical Weapons Convention. The University of Surrey and academics from our Chemical Engineering programme – the oldest continuously running chemical engineering programme in the world – have supported the OPCW's Associate Programme for 14 years, educating representatives from over 100 countries in both basic chemical engineering skills, and the teamwork and leadership skills that are required to be effective members of their National Authorities.

The Chemical Weapons Convention that the OPCW oversees has been extremely successful in

ensuring the destruction of chemical weapons in the signatory nations and culminated in the OPCW being awarded the Nobel Peace Prize in 2013.

On hearing of the award of the Nobel Prize, Professor Norman Kirkby, Director of Research for Chemical and Process Engineering at the University of Surrey, said: "As a University, we are honoured and proud to have supported the OPCW's Associate Programme for fourteen years. The University of Surrey has a passion for the peaceful use of chemistry and we are very proud to have assisted the OPCW in ridding the world of chemical weapons. We will continue to offer them our support in carrying out this vital work."



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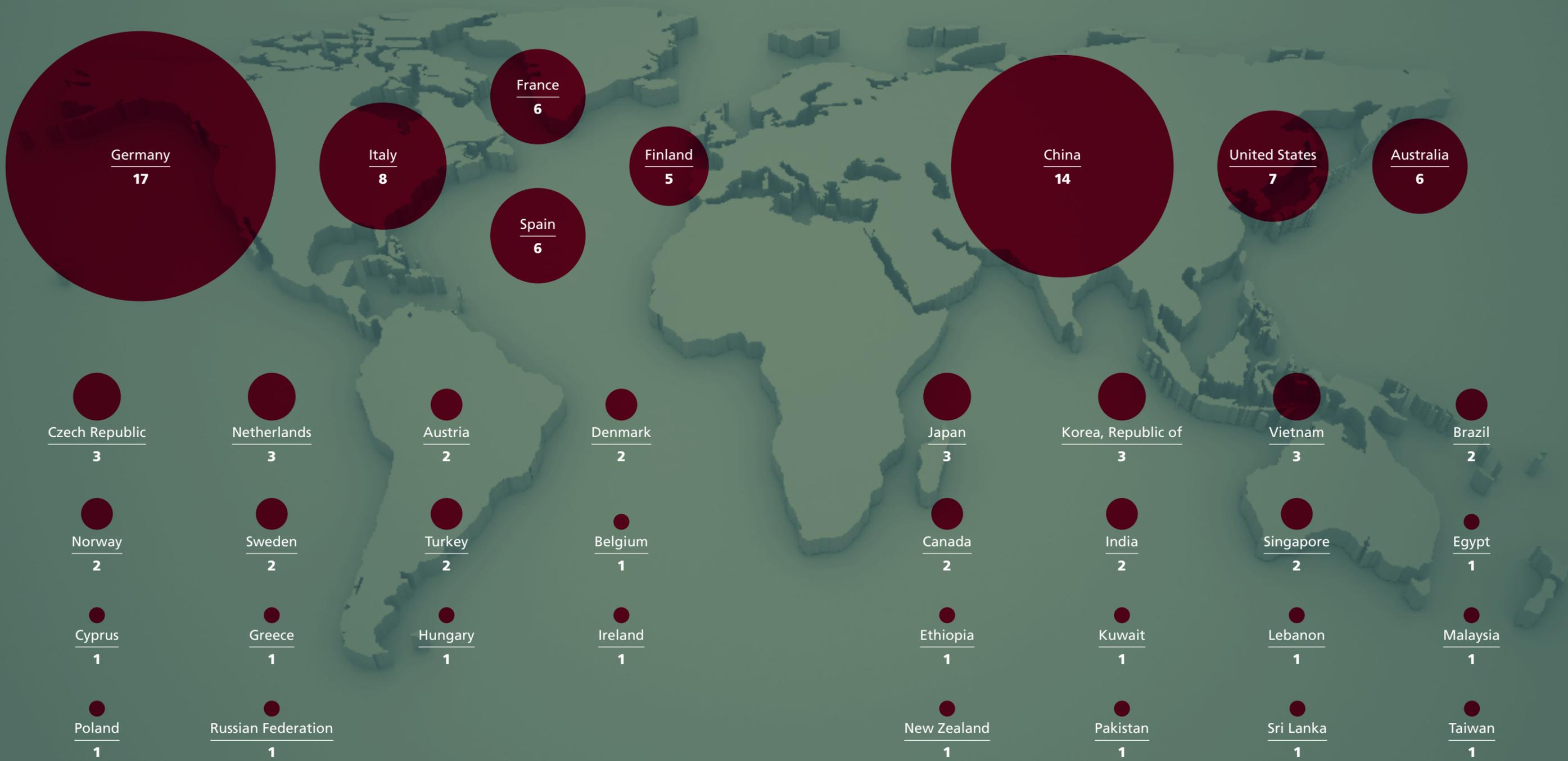
Professor Norman Kirkby
Director of Research for Chemical and Process Engineering



STRATEGIC AIM I: CREATING IMPACT THROUGH INTERNATIONAL PARTNERSHIPS

European Partnerships 2015

International Partnerships 2015



STRATEGIC AIM II: CREATING IMPACT THROUGH DIVERSITY

Progress and highlights

A diverse international student and staff body is essential for any global university. Seeking the best staff and students contributes to the internationalisation of the campus, providing students with a “global citizenship experience” and allowing different modes of teaching, learning and research to be developed and adopted in order to further global education. In addition, the opportunities that international staff bring to further enhancing the delivery of the International Strategy through their own academic links is an important contribution to the University. The University of Surrey ensures that international student recruitment is diversified through a market-led approach and that certain regions, in particular Asia, remain a high priority for our recruitment activities.

Staff and students at the University of Surrey are able to engage in a range of mobility options through Erasmus and non-Erasmus schemes. The University, through its research profile and international reputation, continues to remain an attractive place for prospective academics from outside the UK to study and work.

Future goals

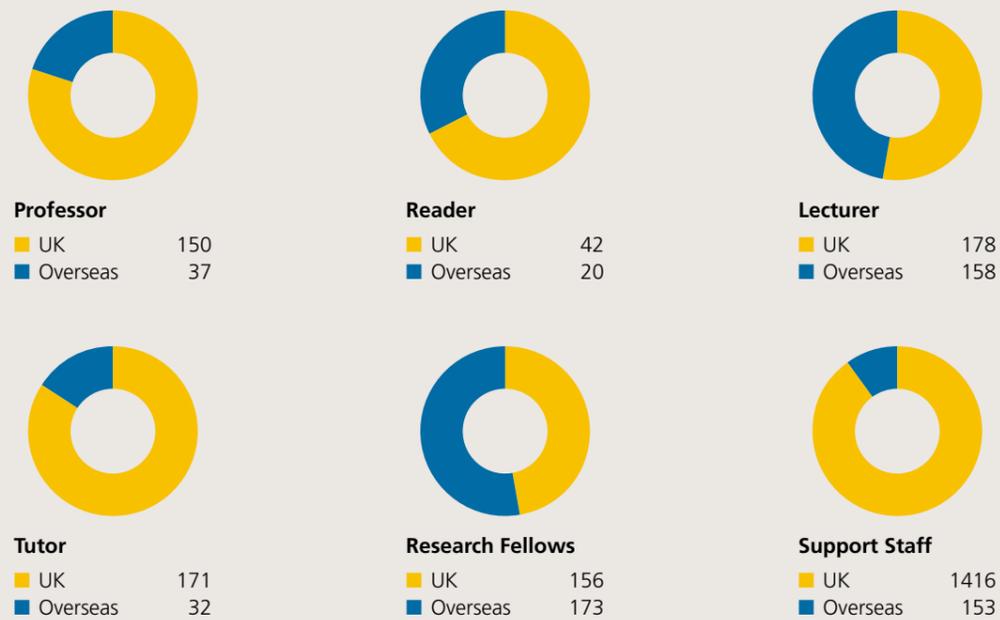
- » To enhance the opportunities for student and staff mobility
- » To ensure the University maintains its profile as an attractive employer for international staff
- » To increase the number of international students at the University at all levels – undergraduate, postgraduate taught, and postgraduate research

International staff at Surrey

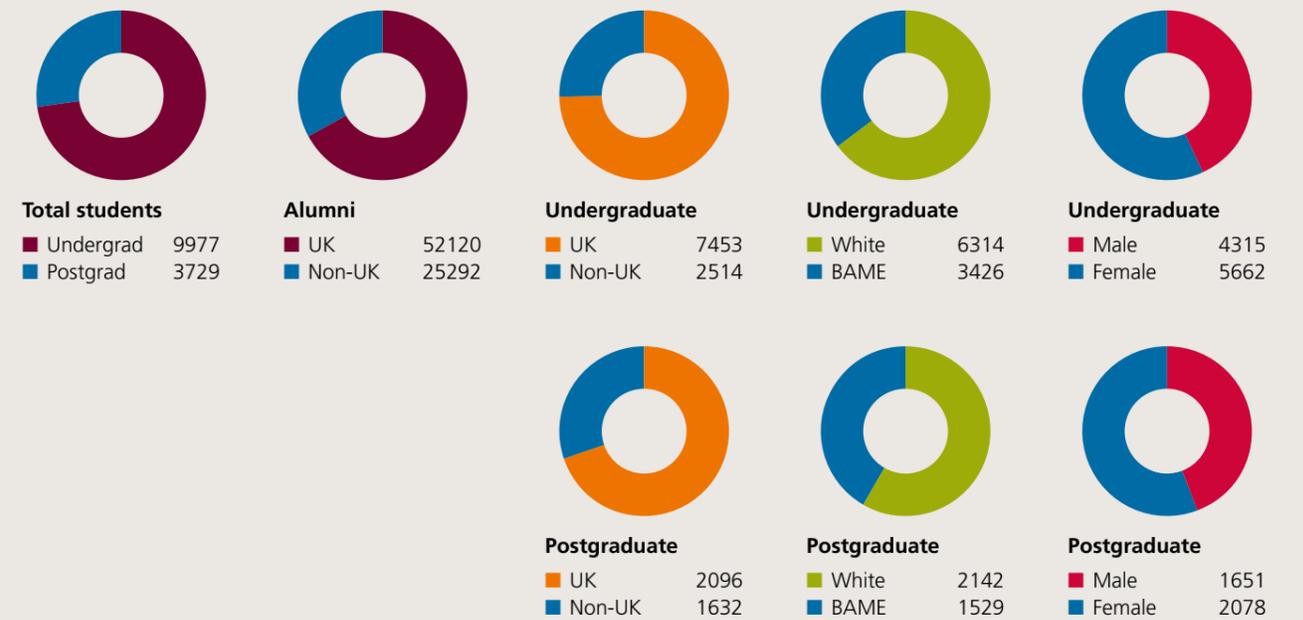
Country	Number	Percentage
United Kingdom	2,113	78.7
China	45	1.7
Italy	45	1.7
Germany	43	1.6
Greece	40	1.5
Spain	26	1
Ireland	25	0.9
Poland	25	0.9
United States of America	24	0.9
France	21	0.8
India	16	0.6

Country	Number	Percentage
Portugal	16	0.6
Canada	15	0.6
Nepal	15	0.6
Netherlands	14	0.5
Australia	11	0.4
Iran	11	0.4
Korea, Republic of	10	0.4
Pakistan	10	0.4
Slovakia	10	0.4
Others	151	5.6
Total	2,686	100

University staff by job group



Student demographics



STRATEGIC AIM III: CREATING IMPACT THROUGH INTERNATIONAL RESEARCH

Progress and highlights

As a research-intensive University, we are committed to interacting with the best researchers on the global stage to address issues affecting mankind. Our international collaborations in research have led to over 50 per cent of our research outputs featuring an international co-author. Of particular relevance are key partners in the USA, such as the Oakridge Laboratory, Harvard University, MIT and North Carolina State University.

Our partners in Asia include Shanghai Jaio Tong, IIT Delhi, Hyderabad University, Peking University and Tamil Nadu Animal Sciences University. In Europe, we work closely with the Technical University of Dresden in Germany, the radioactive beam facilities at GANIL in France, CERN and the FAIR facility in Darmstadt, and in South America with the University of São Paulo in Brazil.

Our commitment to pump prime researcher mobility within the University Global Partnership Network has led to an increasing frequency of doctoral students and academic researchers coming together to address

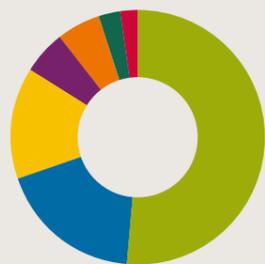
important issues in sleep medicine, water quality, air pollution, and veterinary sciences.

In the most recent Research Excellence Framework 2014, 78 per cent of the University's research outputs were ranked as world-leading or internationally excellent, with Surrey ranking in the top quartile of all universities in economics, hospitality and tourism and biomedical sciences.

Future goals

- » To maintain greater than 50 per cent of all research outputs involving an international co-author
- » Strengthening research and mobility through the development of dual PhD programmes with key partners
- » Ensuring the production of high-quality, world-leading publications
- » Increasing the number of highly cited papers and authors
- » Leveraging significant funding from the EU (Horizon 2020) and other international funding sources, such as UKIERI, GII and the Newton Fund

International research collaboration 2013–14



International co-authored publications

Europe	768
Asia	273
North America	212
Middle East	83
Australia & New Zealand	82
Africa	43
South America	29
Total	1490



BRICS co-authored publications

China	86
India	30
Russia	19
Brazil	18
South Africa	17
Total	170



The recognition of our research as world-leading and internationally excellent is a strong reflection of our focus on quality research with impact, and positions us as one of the leading UK universities for health and medical research. This provides us with an even stronger platform on which to build further expansion of our health and medical activity in the coming years.



Professor Lisa Roberts
Dean of the Faculty of Health and Medical Sciences



I am pleased that the REF outcome shows that a significant amount of our research is classified as world leading and that 98% is considered to be of 'world-leading, internationally excellent or internationally recognised'. We have already started the process of building on this success to make even greater strides forward in the coming years.



Professor Sir Christopher Snowden
President and Vice-Chancellor

► STRATEGIC AIM III: CREATING IMPACT THROUGH INTERNATIONAL RESEARCH

Changing the face of renewable energy

Two projects involving collaboration between the University of Surrey's Advanced Technology Institute (ATI) and universities in India (with support from Tata Steel Research and Development UK) are tackling the challenges of renewable energy. Funding comes from the UK and Indian governments via the UK-India Education and Research Initiative (UK-IERI).

The first research project – bringing together scientists from Surrey and the University of Hyderabad, India – will investigate the capture and storage of solar energy using an approach known as 'inorganics-in-organics', in which composite materials work together to increase efficiency. With collaboration from Tata Steel, which will lend

its fuel cell expertise, the project will partner research with industry to provide technologies for improved energy generation.

The second project will examine the use of zinc oxide nanomaterials in ultra-high sensitivity gas sensors. These gas sensors can be used in environmental monitoring devices to deliver improved receptiveness and increased energy efficiency. They can also be used in breathalysers, or even for sensing potentially explosive gas leaks in hydrogen storage facilities. This project will see the University of Surrey collaborating with researchers from Queen's University, Belfast, and the Indian Institute of Science Education and Research.



Nanotechnology projects such as these are hugely exciting and offer direct solutions for the key challenges that the energy sector faces. Supported by both the respective governments and the multinational Tata, our expert teams from India and the UK will impact the future of renewable energy on a global scale through the development of new technologies.



Professor Ravi Silva

Head of the Advanced Technology Institute (ATI) and project leader



Tackling bovine TB

Bovine tuberculosis (TB) is a major problem in both the developed and developing world. As well as posing a risk to human health, the infection is responsible for huge economic losses in livestock farming.

The UK has a compulsory bovine TB screening and slaughter programme for cattle but, despite the fact that the BCG vaccination has proven effective in protecting cattle against the disease, it is against the law to vaccinate herds because the skin test currently used to detect the infection can give a positive result whether an animal has the infection or has received the vaccine.

In India, the problem of zoonotic human TB is compounded

by the fact that almost 70 per cent of milk sold is processed by the unorganised sector where hygienic practices are not guaranteed. Bovine TB screening and control is also ineffective due to unrestricted animal movements and for socioeconomic and cultural reasons.

Thanks to £981,717 funding from the Biotechnology and Biological Sciences Research Council and the Department of Biotechnology in India, a research team consisting of experts from Surrey and the Tamil Nadu Veterinary and Animal Sciences University in India is working to develop a cheaper diagnostic test for bovine TB and a vaccine that can be used alongside it. The project could revolutionise the control of the disease, with huge benefits to the economy, as well as livestock and human health.



Safe sanitation in Sub-Saharan Africa

The 3K-SAN project aims to identify and evaluate strategies for catalysing self-sustaining sanitation chains in low-income informal settlements in Kisumu (Kenya), Kampala (Uganda) and Kigali (Rwanda). Identification of similarities and differences between these areas is being used to develop guidelines for comparable interventions in similar settlements throughout Sub-Saharan Africa.

3K-SAN is a collaborative project between the Department of Civil and Environmental Engineering, the Centre for Environmental Strategy and the School of Law at the University of Surrey, together with Makerere University in Kampala, the Institute of Policy Analysis and Research in Kigali, and the Victoria Institute for Research on Environment and Development in Kisumu.

The major outputs from the 3K-SAN project are being compiled into best-practice guidance targeted principally at African stakeholders, but also at a wider international audience.

The project is contributing directly towards achieving target 7c of the United Nations' eight Millennium Development Goals. This target involves, by 2015, halving the proportion of people in the world without sustainable access to safe drinking water and sanitation.

STRATEGIC AIM IV: CREATING IMPACT THROUGH INTERNATIONALISATION IN TEACHING AND LEARNING

Progress and highlights

The University of Surrey provides a culture to help all students develop a sense of global citizenship. As part of this programme, the Global Graduate Award (GGA) supports students who want to spend part of their degree working or studying abroad, offering a range of languages including Arabic, British Sign Language, Mandarin Chinese, English, French, German, Italian, Japanese, Portuguese, Russian and Spanish. In addition, a GGA in Sustainable Environments was launched in 2014.

The Students' Union organises a University One World Week, which provides an opportunity for students and staff to get together and celebrate the diverse range of cultures and groups on campus. At the heart of One World Week are the students and societies who, working with the University's Student Services team, provide a full and exciting programme of events, including the One World exhibition and One World gala.

Recently, the University signed an agreement with the Taiwanese Embassy to produce a

programme of cultural and educational events at the University of Surrey, comprising three large-scale Taiwan weeks in 2015/16. During these weeks, a series of seminars, roundtables, documentary films, photographic/art exhibitions, and dance performances will occur.

The University of Surrey's long-established Professional Training placement programme features over 2,300 partner organisations, many of whom are international and provide opportunities for study and work abroad. In the context of exchange partners for student mobility, currently we have strategic learning partnerships with 87 organisations outside the UK.

Future goals

- » To ensure that opportunities for students to work and study abroad as part of their degree programme – through Erasmus+ and other mobility programmes – are fully realised
- » To continue to expand the Global Graduate Award, broadening the capacity and range of opportunities for students to complement their degree programme during their period of study

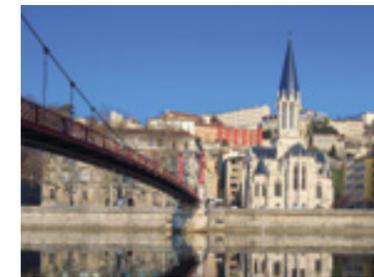


Moving to Australia had always been a dream of mine and it was the best decision I ever made.



Suzanne Burgess

Suzanne studied International Hospitality & Tourism Management at La Trobe University in Melbourne, Australia.



Studying abroad has given me the opportunity to learn in a different education system, embrace a different language and meet new people. Choosing to do a year in Lyon has been one of the best decisions I've ever made.



Marilyn Johnson

Marilyn studied English Literature at Jean Moulin University Lyon III in France.



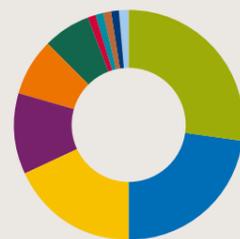
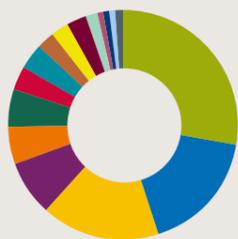
I grew as a person and I am more confident with new people. I learnt to budget over a long period of time and made some fantastic friends all over the world. It was, by far, the best year of my life and I would highly recommend it to everybody!



Richard Winstone

Studied Mathematics at the University of Central Florida, USA

Surrey students abroad 2014/15



Erasmus

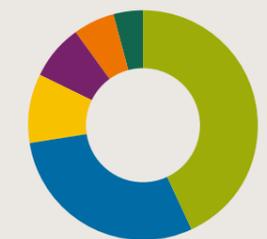
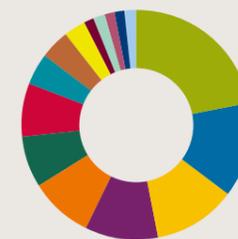
France	32
Germany	20
Spain	19
Austria	9
Denmark	6
Italy	6
Finland	4
Netherlands	4
Greece	3

Hungary	3
Sweden	3
Norway	2
Belgium	1
Cyprus	1
Czech Republic	1
Iceland	1
Total	115

Rest of World

USA	24
Australia	20
Singapore	16
China	10
Canada	7
New Zealand	6
Costa Rica	1
Korea	1
Malawi	1
Malaysia	1
Sri Lanka	1
Total	88

Incoming Exchange and Erasmus students 2014/15



Erasmus

Germany	15
Spain	9
France	8
Netherlands	7
Denmark	6
Austria	5
Italy	5
Finland	3

Sweden	3
Belgium	2
Greece	1
Hungary	1
Ireland	1
Norway	1
Poland	1
Total	68

Rest of World

USA	22
Australia	15
China	5
Canada	4
Singapore	3
New Zealand	2
Total	51



Erasmus staff mobility is a very worthwhile experience

— Constanza



I spent one week at the Swedish Agricultural University in Uppsala, Sweden as part of the Erasmus Staff Mobility Programme. I have been collaborating with staff of that University for years, but this time we had the opportunity to meet each other's students and visit each other's vet schools.

I delivered several classes in Veterinary Biomechanics there and we also started a collaborative study on the motion of dogs during lameness. One of the colleagues there visited Surrey and taught Functional Anatomy to our Veterinary Biosciences students.

It was a wonderful experience and both universities were very supportive. I hope I can repeat it in future.



Dr Constanza Gomez
Lecturer in Musculoskeletal Biology,
Faculty of Health and Medical Sciences



Global Graduate Award

The Global Graduate Award (GGA) is part of the University's Internationalisation Strategy. It aims to encourage student mobility and support students who want to spend part of their degree working or studying abroad.

The Award is open to all students and is free of charge. Students are invited to start a

new language, brush-up on a half-forgotten one, or continue with a language they want to keep up in the future. Languages currently available include Arabic, British Sign Language, Chinese, English, French, German, Italian, Japanese, Portuguese, Russian and Spanish.



When I heard about the GGA programme, I was instantly attracted. Being given the opportunity to continue studying a language of your interest (in my case French) or even start to learn a new language is great; the fact that you can conveniently choose your level of study and that it is offered for free makes it amazing! On top of that was, for me, the most important point: during my year of learning with the GGA programme, I met great people who became good friends.



Stephanie Katz
BSc Business and Retail Management

► STRATEGIC AIM V: CREATING IMPACT THROUGH TRANSNATIONAL EDUCATION

Progress and highlights

The University of Surrey launched its Transnational Education Strategy in 2013², prioritising a number of activities, including dual degree programmes and building upon our current campus in Dalian in China.

The relationship between the University of Surrey and Surrey International Institute in partnership with Dongbei University of Finance and Economics spans many years. DUFE is a top-ten Chinese institution for economics and in the top twelve for management, and ranks as one of the top six specialised universities in finance and economics in China. A joint campus venture model was launched in 2006, creating the

Surrey International Institute at DUFE (SII-DUFE), with the first cohort of undergraduate students entering in 2009. By using existing DUFE premises and facilities, the University of Surrey was able to accelerate approval from the Chinese authorities whilst providing a cost-efficient model for education delivery.

Future goals

- » To continue to enhance the academic profile of SII-DUFE
- » To explore alternative models for realising TNE activities, especially in postgraduate teaching and research
- » To explore opportunities for selected strategic 2+2 dual degree programmes

² The TNE strategy can be accessed at:
www.surrey.ac.uk/internationalrelations/files/TNE_strategy.pdf



SII-DUFE Surrey International Institute

SII-DUFE currently offers international study programmes in subjects aligned with business management and international tourism management. By adopting a new type of transnational approach, students from the UK and China have the opportunity to spend part of their course at both the University of Surrey and DUFE.

With over 1,000 students on campus,

SII-DUFE is contributing to meeting the needs of China in key economic areas and has contributed to raising the University of Surrey's profile in Mainland China, especially with the Ministry of Education. Building upon the success to date, we aim to take SII-DUFE into the next phase of development and ensure that both universities maximise the potential of, and benefits from, the partnership.

► STRATEGIC AIM VI: ENHANCING OUR INTERNATIONAL PROFILE

Progress and highlights

The wealth of activities occurring at the University of Surrey provides substantial opportunities for us to showcase to the world what is being undertaken and achieved in all areas of University life. Much of the success in delivering the International Strategy as summarised in strategic aims I to V contributes to enhancing our international profile. For example, the Pro Vice-Chancellor (International Relations) and the Director of the Advanced Technology Institute, Professor Ravi Silva, featured in a recent Business Channel TV documentary showcasing UK education to China. During this broadcast, the importance of collaboration with Asian institutions was emphasised, to enhance the student experience and the internationalisation of the University of Surrey.

The University of Surrey has participated in a number of high-profile publications, allowing it to celebrate success and illustrate key milestones in its history. Another area of significant activity has been in international alumni relations. Recent successful events have been held in mainland China, Hong Kong, Saudi Arabia, Korea and the USA and reflect the University's ongoing commitment to engage

with our international alumni, ensuring they are kept abreast of current developments at the University so they can share and celebrate these with their friends and colleagues alike. These events will contribute to raising our international profile with key stakeholders.

The production of the first edition of *Global Surrey Review 2014–15*³ has provided an alternative vehicle to showcase the international strengths of the University and, combined with the *Annual Review 2014*⁴, provides a summary of key developments that have occurred within the University of Surrey that will lead to impact on the international stage.

Future goals

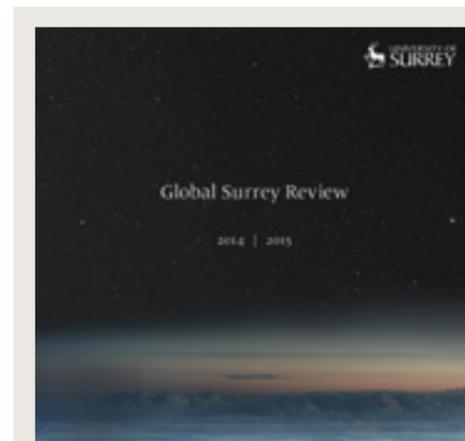
- » Continue to raise the international profile of the University through alumni events
- » Actively seek opportunities to showcase the University in international publications through featured stories, advertisements and research success
- » Participate in high-profile international conferences
- » Engage fully with opportunities for participating in and leading international delegations through UUK and the International Unit

Global Surrey Review 2014–2015

Copies of *Global Surrey Review 2014–2015* are now available and showcase the many international activities at the University of Surrey for an external audience.

Please send all enquiries to:

Louise Lawton
louise.lawton@surrey.ac.uk



Alumni reception in Beijing

More than 150 alumni in China were welcomed to a high-profile reception in Beijing to meet with senior academics from across the University and to hear about Surrey's exciting developments.

The event, held in October of last year, was hosted by Professor David Allen, Executive Dean for the Faculty of Business, Economics and Law. The event saw more than a third of our graduates offering their help and expertise to the University, from agreeing to mentor current students to providing venues for future events and industry placements for undergraduate students.



Singapore alumni reception

Surrey alumni based in Singapore were invited to reunite with fellow graduates at the Four Seasons in July 2014 and discover more about the University's latest pioneering developments from Professor Vince Emery, Pro-Vice Chancellor, (International Relations).

Attendees were also invited to attend the stylish new One-Ninety Bar by Javier de las Muelas at the Four Seasons Hotel Singapore and enjoy a discount on Javier de las Muelas cocktails.



San Francisco Bay area reunion

A reunion took place in July 2014 in Berkeley, San Francisco Bay area, CA, and was hosted by Surrey alumni Susan Goltsman and Daniel Iacofano, who studied Environmental Psychology and graduated in 1980.

The evening event was held at the company HQ of MIG, a design and planning company set up by Susan and Daniel shortly after their graduation from Surrey. The reunion gave alumni in the Bay area the opportunity to network and find out about the University's latest developments and plans.

³ www.surrey.ac.uk/internationalrelations/Global%20Surrey%20-%20IRO%20Newsletter/Global%20Surrey%20Review%202014.pdf

⁴ www.surrey.ac.uk/sites/default/files/university-of-surrey-annual-review-2014.pdf

► STRATEGIC AIM VII: INTERNATIONAL RECOGNITION

Progress and highlights

Recognition of the success of a university comes in many forms: academic reputation, high-profile outputs through publications and their associated citations, links with international business and the university contributing to solving global grand challenges. Many of these factors influence the performance of a university in international league tables and the University of Surrey features in the top 500 universities in the THE, QS and ARWU international league tables.

The University has a number of high-profile academic areas that contribute to its international reputation, notably in the area of Space Satellite Technology, the creation of a new School of Veterinary Medicine and the

launch of the new 5G Innovation Centre devoted to the next generation of mobile communication technology. The University is also home to the internationally renowned Guildford School of Acting.

Future goals

- » To ensure that the University of Surrey has an international league table position commensurate with its inherent strengths
- » To ensure that new innovative developments in research are fully recognised internationally and contribute through international partnerships to help solve the global grand challenges inherent in the Millennium Development Goals and their successors

Surrey in world's top 100 universities under 50 years old

The University of Surrey is ranked in the top 100 universities worldwide under 50 years old. Surrey ranks 63rd in the 2014 tables, compiled by the Times Higher Education (THE), which "reflect the special characteristics of younger universities".

Surrey's history dates back to 1891, when the Battersea Polytechnic Institute was founded. This became a renowned College of Advanced Technology in 1957, before the University received its Royal Charter in 1966 and completed its move to Guildford in 1970.

The University has a number of high-profile academic areas that contribute to its international reputation.



UK Centre of Excellence for Global Sensing through Satellite Technology

Surrey Satellite Technology Limited (SSTL) is the world's leading small satellite company, delivering operational space missions for a range of applications, including Earth observation, science and communications. The company designs, manufactures and operates high-performance satellites and ground systems for a fraction of the price normally associated with space missions, with 600 staff working on turnkey satellite platforms, space-proven satellite subsystems and optical instruments.

The company's origins date back to the 1970s, when a group of highly skilled aerospace researchers, including a young Martin Sweeting, working in the Electrical Engineering Department of the University of Surrey, decided to experiment by creating a satellite using standard consumer technology, known as commercial off-the-shelf (COTS) components. The results were surprising. That first satellite, UoSAT-1 (University of Surrey satellite) was launched in 1981 with the help of NASA, who had become very interested in the group's work. The mission was a great success, outliving its planned three-year life by more than five years.

Since then, SSTL has built and launched 42 satellites – as well as providing training and development programmes, consultancy services, and mission studies for ESA, NASA, international governments and commercial customers, with an innovative approach that is changing the economics of space.

In 2006, SSTL formed a UK subsidiary company, DMCii, to exploit the applications of its small Earth Observation satellites. In 2008, the company set up a US subsidiary, Surrey Satellite Technology US LLC (SST-US), with facilities in Denver, Colorado to address the United States market and its customers for the provision of small satellite solutions, applications and services.

SSTL creates new business service opportunities in Earth Observation, including Carbon Footprint Monitoring, Climate Change, Water and Environmental Management, Security and Disaster Monitoring. Their work is directly linked to the priorities of the Government's National Space Technology Strategy for the UK to have at least 10 per cent of the projected £400bn space technology market by 2030.

► STRATEGIC AIM VII: INTERNATIONAL RECOGNITION

Guildford School of Acting (GSA)

Part of the University of Surrey, Guildford School of Acting (GSA) is one of the most highly regarded theatre schools in the UK and arguably the foremost musical theatre school in the world.

As one of the UK's leading drama schools for student satisfaction as recognised by the (2014 National Student Survey), GSA's mission is to enable students and staff to work at the forefront of their profession.

As part of the University of Surrey's School of Arts, GSA provides conservatoire-style training within a university environment. GSA students receive all the benefits of being part of one of the top universities in the country while training in our purpose-built studios. This is

supported by a highly qualified and dedicated team of lecturers, tutors and industry experts.

GSA attracts talented students from all over the world, many of whom go on to achieve success in theatre, film and television. Auditions are held annually in many international cities including New York, Chicago, Toronto, Hong Kong and Ireland.

Our distinguished alumni include performers such as Brenda Blethyn OBE, Michael Ball, Bill Nighy, Celia Imrie, and Justin Fletcher MBE.

At Surrey, the arts are as dynamic and interconnected as the cultural industries themselves. Our passion for research, performance, teaching and learning makes us a thriving centre for dance, digital arts, film, music, sound recording and theatre.



5G technologies to shape our future

Speaking at the opening of the CeBIT 2014 business and hi-tech trade fair in Hanover, Germany, Prime Minister David Cameron focused on the collaboration between the University of Surrey, Kings College London and the University of Dresden in shaping the future of 5G technology.

"Three world-leading universities working on 5G hand-in-hand is something to be excited about," said Mr Cameron.

The Prime Minister spoke about developing a network that could download an 800 megabyte movie in one second, rather than the 40 seconds using a 4G network today, and commented that the competition to reach 5G first was a major challenge.

"This is a prize researchers all over the world are going for," he said.

The new 5G Innovation Centre (5GIC) at the University of Surrey has gained over £40m support from international telecommunications companies including Aeroflex, AIRCOM International, BBC, BT, EE, Fujitsu Laboratories of Europe, Huawei, Ofcom, Rohde & Schwarz, Samsung, Telefonica and Vodafone – and a further £11.6m from the Higher Education Funding Council for England (HEFCE).

The Centre will provide industry with a world-leading real-time experimental facility for testing and optimising advanced technologies, underpinning the development of the new mobile broadband internet products and services. This will give Surrey the opportunity to be a major influence in critical standardisation and radio regulatory bodies in the emerging 5G arena.



By bringing together leading academics and heavyweight industry partners, I believe we can develop the technologies required for the future.



Professor Rahim Tafazolli
Director of the 5GIC



Appendix:

► The International Strategy of the University of Surrey

Mission

The mission statement in *The University Strategy: 2012-17*⁵ provides the architecture for this International Strategy, which sets forth a series of steps to enable the University of Surrey to reinforce and expand the international reputation of the University in all its endeavours.

Vision

To ensure the University of Surrey is recognized as an international leader in high-quality learning, teaching, research and enterprise.

Strategy

The University of Surrey is ideally positioned to build upon its portfolio of international activities to create a holistic International Strategy impacting on, and driven out of, the full range of University activities. The strategy specifically interfaces with the University Learning and Teaching, Research, Enterprise and Alumni strategies.

Aims

I. To achieve impact through international partnerships

This will be delivered through:

- being a core member of the University Global Partnership Network (UGPN)
- engaging with bilateral partnerships to further the Surrey student and staff experience, enhance research potential and maximize opportunities for new teaching interactions
- leveraging maximum benefit from existing partnerships such as the UGPN and the Surrey International Institute partner Dongbei University of Finance and Economics (DUFE), Dalian, China
- strategic engagement in capacity-building partnerships with target regions/countries
- developing robust procedures for the approval and review of partnership agreements

II. To achieve impact through a diverse international student and staff body

This will be delivered through:

- ensuring that international student recruitment is diversified through a market-led approach
- prioritising strategic partnerships with academic institutions and scholarship providers (both public and private) to attract high-quality students
- ensuring that the University of Surrey remains attractive for international researchers
- enabling student mobility opportunities through Erasmus and other exchange activities
- promoting opportunities for staff mobility to partner institutions to further the research and teaching profile of the University
- promoting training opportunities for staff at partner universities using the Erasmus scheme

III. To maximize impact through international research activities

This will be delivered through:

- ensuring effective communication of international funding opportunities throughout the University
- strategic investment in research funding to pump prime projects involving key partners such as the UGPN and those in regions such as North America
- ensuring key partnerships are used to leverage increased international research funding
- increasing the volume of papers/articles published in high impact journals co-authored with international partners
- enhancing opportunities for dual PhD programmes with key partners

IV. To enhance internationalisation in learning and teaching

This will be delivered through:

- the availability of an expanded portfolio of courses under the Global Graduate Award
- working with the University's international students to improve further the international dimensions of teaching and learning
- increasing use of international examples to illustrate learning concepts
- expanding the range of dual degree programmes with international partners
- engaging with developments in the European Higher Education Area
- expanding the opportunities for students to study or work outside the UK as part of their degree programmes, making use of schemes such as Erasmus and Professional Training placements wherever possible

V. To achieve impact through international campus and transnational education activities

This will be delivered through:

- further strategic enhancement of activities at the University of Surrey Campus in China (the Surrey International Institute) in partnership with DUFE
- the implementation of a transnational education strategy
- the development of country/regional strategies to identify and prioritise new opportunities for transnational education

VI. To ensure the international impact of the University of Surrey is widely recognized

This will be delivered through:

- effective communication of international developments in research and teaching to internal and external stakeholders
- maintaining a database of ongoing international activities within the University

- effective engagement with the Associate Deans (International) to facilitate and deliver the international agenda in each faculty
- engaging with Embassies and High Commissions in the UK and abroad
- engaging with key UK-based and international organisations such as the British Council, Confederation of Indian Industry, Middle East Association, British Universities Transatlantic Exchange Association, Association of Commonwealth Universities, etc.
- engaging with international business partners, especially in telecommunications, space science, tourism and healthcare
- involving international alumni groups in celebrating and broadening the University profile

VII. To ensure the international impact of the University of Surrey is reflected in a top-100 ranking in international league tables

This will be delivered through:

- enhancing the volume of high-impact, highly cited, internationally co-authored research outputs
- using a range of communication and marketing vehicles (such as e-newsletters, web-based showcasing, international partner engagement, attendance at Embassy events and other international events, engagement with key international organisations, oral and poster presentations at high-impact international events) to raise the profile of the University of Surrey in the international community
- maximising the added value of staff visits to partner organisations to showcase the research, enterprise and teaching and learning strengths of the University of Surrey
- engagement with international league table compilers to ensure the metrics used accurately represent the University of Surrey

VC Emery

Pro Vice-Chancellor (International Relations)
February 2013 (revised July 2014)

⁵ The University Strategy:2012-17. (www.surrey.ac.uk/sites/default/files/University-of-Surrey-Strategy-2012-17.pdf).

"The University of Surrey is a research-led institution pursuing learning, scholarship and research, and advancing and disseminating knowledge. The University is committed to working closely with its students, business, government and civil society to transition knowledge to the benefit of humanity".

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