

HIGHLIGHTING RESEARCH SUCCESSES
ACROSS OUR FACULTIES AND RESEARCH INSTITUTES



Anglia Ruskin
University

ISSUE 2 – QUARTER 2 2014

research round-up



NEWS INSIDE FROM

Faculty of Arts, Law and
Social Sciences (ALSS)

Cultures of the Digital Economy
Research Institute (CoDE)

Faculty of Health, Social
Care & Education (FHSCE)

Postgraduate Medical
Institute (PMI)

Lord Ashcroft International
Business School (LAIBS)

Institute for International
Management Practice (IIMP)

Faculty of Science and
Technology (FST)

Global Sustainability
Institute (GSI)

Research, Development &
Commercial Services (RDCS)

Research Excellence
Framework (REF)

Welcome

to the second edition of Research Round-up

Since the last issue, we have been working hard to capture the many success stories and demonstrate the variety of work that is being done across our Faculties and Research Institutes. As you will see, our research strengths are wide-ranging and diverse and we have aimed to highlight our success in terms of academic output, research funding granted, prizes awarded and events held. The purpose of Research Round-up is to celebrate and increase the awareness of research and achievements across Anglia Ruskin and encourage collaboration.

We are also pleased to offer this edition in a digital format for ease of reading and dissemination and I hope you will enjoy this second edition and join me in celebrating our community's accomplishments.

Dr Tony West

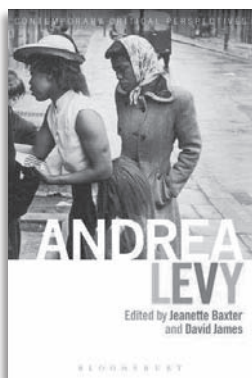
Director, Research, Development & Commercial Services

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ALSS excels at traditional and practice-led research in the arts, law and social sciences. For further information about possible collaborations with ALSS contact Professor Eugene Giddens, Skinner-Young Professor of Shakespeare and Renaissance Literature, Faculty Director of Research: eugene.giddens@anglia.ac.uk

Jeannette co-edits groundbreaking collection on Andrea Levy

A book edited by Dr Jeannette Baxter, Senior Lecturer of English Literature and David James of Queen Mary, University of London, sheds new light on one of the most significant and popular voices in contemporary black British writing both in the UK and abroad.



Contemporary Critical Perspectives: Andrea Levy (Bloomsbury) is the first book of its kind to be devoted to Levy's work. Combining historical, theoretical and textual perspectives, the volume hosts a wide range of current critical approaches to Levy's fiction, and includes chapters written by leading established and emerging scholars. Chapter six, 'Exquisite Corpse: Un/dressing History in Fruit of the Lemon/The Long Song', is written by Jeanette.

Published in March 2014, the book is already gaining acclaim from other academics in the field. James Procter, Reader in Modern English and Postcolonial Literature at Newcastle University, UK, has described it as: "A rich and judiciously edited collection offering (it's hard to believe) the first book-length assessment of this major contemporary novelist. The chapters are beautifully balanced, exposing readers to a wide range of critical perspectives, from meticulous close readings of the novels to questions of literary form, reception, and adaptation. The collection concludes with a revealing, previously unpublished interview with Andrea Levy."

The chapters are beautifully balanced, exposing readers to a wide range of critical perspectives...

Jeannette has also been invited to speak about the publication at the Searching for Culture (SEFOC), International Cultural Studies Conference at Palacky University in Olomouc, Czech Republic, which runs from 16–17 October 2014. Jeannette said: "One of the organisers reviewed the collection and invited me on the back of that. I've never been to Prague, so I'm thrilled."

The first print run of the book sold out in three weeks and it is now half way through the second print run. It is part of Bloomsbury's Contemporary Critical Perspectives series, for which Jeanette is one of the Series editors. Eight volumes have been published since 2008, focusing on writers such as J.G. Ballard, Ian McEwan, Kazuo Ishiguro, Salman Rushdie, Ali Smith and Sarah Waters. Volumes on the work of Hanif Kureishi and Haruki Murakami are forthcoming.



Patricia MacCormack awarded a Leverhulme International Visiting Fellowship

Patricia MacCormack of the Department of English, Communication, Film and Media was awarded a Leverhulme International Visiting Fellowship on The Animal Catalyst Network on Animality, Philosophy and Ethics and took up a semester at The University of California, Santa Barbara last September. This follows the publication of Patricia's book *Posthuman Ethics* (Ashgate: 2012).

Study investigates impact of bias and jurors' perceptions of 'beyond reasonable doubt'

New research shows that the attitudes of jurors ahead of a trial have a significant impact on the verdict they are likely to deliver in court.

The study, published in the British Psychological Society's *Legal and Criminological Psychology* journal, found that jurors with a pro-prosecution bias are more likely, given the same evidence, to find the defendant guilty than those with a pro-defence attitude.

The researchers hope that the methods used in their study can be adapted to help identify pre-trial bias and jurors who fail to understand the concept of beyond reasonable doubt.

The 1986 Contempt of Court Act in the United Kingdom prohibits the study of jurors sitting on real cases. Therefore Dr Samantha Lundrigan, Senior Lecturer in Criminology, and colleagues from the University of Cambridge and the University of Middlesex, sampled a group of 118 people (aged between 19–63) employed by a large pharmaceutical company in Cambridge.



Dr Samantha Lundrigan

Participants were asked to imagine they were serving on a jury in a criminal trial. They read a trial summary of a fictitious burglary case, including details of the charge, background information (description of the dwelling, movements of the owners prior to discovery of the burglary and

witness accounts), the prosecution and defence cases, and the judge's legal instructions on the presumption of innocence.

In relation to interpretations of the criminal standard of proof (beyond reasonable doubt), the study found that the average threshold required to find someone guilty was a probability of 95%.

The study also found that pre-trial attitudes combined with interpretations of beyond reasonable doubt accounted for 37% of the variability in the verdicts, so are an important predictor of how a juror will vote regardless of the evidence.

Dr Lundrigan said: "The results of our study show that jurors' judgments of innocence or guilt are associated with their pre-trial attitudes, as well as their interpretation of beyond reasonable doubt."

For example, a juror with a pro-prosecution bias would be expected to have a lower conviction threshold, and a less stringent interpretation of beyond reasonable doubt, than a juror with a pro-defence bias. Consequently, the former would be more likely to return a guilty verdict than the latter.

Although UK courts don't allow jury selection, Dr Lundrigan believes that the tests used in the experiment could be adapted to highlight potential issues with jurors before trials begin. The judge or clerk of the court could assist these jurors by clarifying difficult concepts and explaining the importance of focusing solely on the evidence presented before them.

She added: "In jurisdictions where jury selection is permissible, such as the US, legal representatives are interested in identifying juror characteristics or attitudes that might signify sympathy towards their position. In the UK it is possible, although uncommon, for

lawyers to challenge individual jurors and request that a juror 'stand by'.

"However, in both situations, legal representatives typically employ their own methods when making juror selection decisions, which may not be valid. Instead, pre-trial attitude questionnaires, such as those used in this study, could be used to ensure the juror has an appropriate interpretation of the standard of proof.

"Although public confidence in the British jury system is consistently high, it is vital to ensure that juries make their decisions by following legal rules. The fact that jurors might be biased by their pre-trial attitudes and inappropriate interpretations of beyond reasonable doubt suggests that initiatives are needed to deal with these issues."

Sample of Publications and Presentations

'The Theatre of Thought', in Walsh, Fintan. *Performance, Identity and the Neo-Political Subject*. London: Routledge 2013.

'Mucosal Monsters', in Papenberg, Bettina, ed. *Carnal Aesthetics*. London: IB Tauris 2013.

'The Queer Ethics of Monstrosity', in Picart, Caroline. *Speaking of Monsters: A Teratological Anthology*. London: Palgrave. 2012.

'Cinesexualität, Zuschauerschaft, Sciz-Flux' (trans. Marcus Stiglegger), in Marcus Stiglegger and Ivo Ritzer. *Global Bodies: Mediale Repräsentationen des Körpers*. Berlin: Bertz-Fischer. 2012.

'Mucosal Coseying', in Maria Fusco and Richard Birkett. *Cosey Complex*. London: Koenig. 2012.

CoDE at Anglia Ruskin University is a multidisciplinary unit, specialising in the creative and cultural opportunities which are generated through the emerging Digital Economy. CoDE engages in and enables collaboration between cultural, creative and technical industries and academia. CoDE's key thematic research areas are; Digital Performance, Production and Play; Serious Gaming and Mobile Applications; Creative Design for User Interaction; Digital Humanities and Network Politics.

For further information about possible collaborations with CoDE please contact Dr Rob Toulson, Director of CoDE, at: rob.toulson@anglia.ac.uk

New research to test viability of album apps

Anglia Ruskin experts work on new release by François and the Atlas Mountains

Anglo-French pop group François and the Atlas Mountains are taking part in a pioneering research project as their new album, Piano Ombre, is released on CD, vinyl LP, digital download – and as an 'album app' for iOS devices.

The innovative app, which features high-quality versions of the album tracks together with 24 exclusive bonus tracks, artwork, song lyrics and producer credits, forms the basis of a project examining the app as a future standard album release format, perhaps even the future of the album itself.

Supported by Nesta's Digital R&D Fund for the Arts, the research is being carried out by CoDE, along with music and content agency Script and app developers Agency Mobile.

CoDE is using the Piano Ombre app – the first chart-eligible album app in the world – as a test case for music consumers, artists and record companies, examining the user experience, the creative potential afforded to the artist and the overall economics of releasing an album as an app.

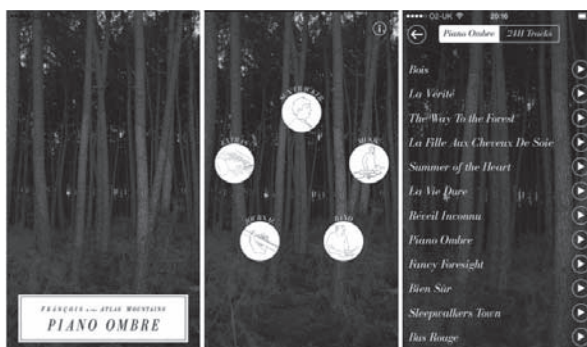
While the cost of app development is potentially prohibitive for smaller artists and labels, this project hopes to establish a framework that can be used in the future to make releasing album apps affordable for all music artists.

CoDE is using the Piano Ombre app – the first chart-eligible album app in the world...

Dr Rob Toulson, Director of the CoDE Research Institute at Anglia Ruskin, said: "There has been a lot of buzz around the experimental album apps released so far by a handful of artists such as Björk and Lady Gaga, but until now no one has properly looked at the costs and benefits for consumers, artists and record companies.

"We want to find out how receptive the audience is to consuming music in this way. We want to see what artists can do with the format when given the opportunity.

"Most importantly, we want to understand the obstacles – from technical issues, to the cost of development, to a lack of awareness – that may need to be overcome if this format is to succeed. Although the album app has many potential strengths, questions surrounding the handling of royalties, chart eligibility and distribution remain, and these must be answered if the format is to be embraced more widely. [CONTINUED OVERLEAF]



◀ The Piano Ombre app



Dr Rob Toulson

“Our findings will have big implications for artists and the music industry and may give an indication as to how we will all be consuming recorded music in the near future.”

Script founder Jonathan Shakhovskoy said: “The app format has the potential to benefit everyone with a stake in recorded music. For consumers, it can restore the album experience, delivering a suite of songs as the artist intended, supported by images, lyrics and liner notes. These are things completely absent from digital download platforms and streaming services like Spotify.

“This is about more than people listening to music on headphones with an iPhone or iPod. It’s about delivering audio and video to smartphones and tablets that are connected to wireless speakers and, soon, to app-enabled TVs. That’s where this format will really come to life.”

Brimming with creativity and a charming, handmade aesthetic, the app expands on the physical-format album artwork with animation created by François Marry.

Our findings will have big implications for artists and the music industry and may give an indication as to how we will all be consuming recorded music in the near future.

While listening to each song on the album itself, users can browse through sleeve notes, lyrics (in French and English) and chords. The app does not just house static content, however. Users can access constantly updated information such as the tour dates (with the option to buy tickets), as well as the band’s photo blog and François’s sketches and journal.

By taking a picture using the ‘Sun Tracker’ feature and then sharing it via Facebook, Twitter, Tumblr or email, users can unlock and listen to one of the 24 exclusive bonus tracks for an hour at a time.

Transforming Digital Music: Investigating Interactive Playback

CoDE’s Transforming Digital Music research project is to develop a unique interactive music album format that could transform the way we listen to and engage with digital music. This innovative technology will allow users to manipulate and interact with music in ways that have not previously been possible, with the aim of bringing new user experiences and opening a number of artistic and commercial opportunities for music artists and the music industry in general. The research is funded through the Arts and Humanities Research Council’s Digital Transformations theme to a total value of £80,000 and is led by CoDE Director Dr Rob Toulson in collaboration with Justin Paterson of the London College of Music at the University of West London. The project start date is September 2014 for a total duration of 8 months.

Nowadays, music is predominantly consumed through digital platforms; however, the true artistic capability of the digital playback medium has never been fully evaluated or exploited. Modern digital playback systems, including

mobile devices, computers, tablets and networked hi-fi systems, are extremely over-engineered for simply playing music and audio. By utilising the full power of the modern digital music playback device, we hypothesise that a new and heightened level of engagement can be achieved, releasing greater opportunities of creative expression for the artist and an enhanced user experience for the listener. Exploration of this creative and transformative opportunity is essential in order to consolidate models that could reinvigorate the global music industry, which has experienced considerable turbulence since the introduction of web-based digital music. In particular, this project will focus on the opportunities for popular music to be dynamic and interactive, whilst retaining and extrapolating the artistic vision of the musician.

An example of interactive music is in the form of a song that can be listened to by the consumer in a number of different ways. The song might be an upbeat rock genre track including drums, guitars, vocals and maybe a string



Dr Rob Toulson conducts a class at the Digital Economy (CoDE) Research Institute

section. Consider, however, that the listener might want to enjoy the song in a more relaxed manner – a unique experience based on the listener’s mood at that moment. They might prefer to listen to a stripped down version, perhaps with the electric guitars replaced by acoustic versions, the drums become hand percussion and the strings take a more prominent role in the mix. It is still the same song, maintaining the artistry intended by the musician, but it has changed to give the listener a different experience. Similarly the listener might select an electronic version of the song, which dynamically introduces programmed drumbeats and synthesised sounds. Modern digital playback systems have the processing capability to perform the real-time rendering of multiple audio streams required to implement these interactive features. In order to exemplify this feature set, an app will be developed. The app will serve as a working model that will showcase a profile or framework from which any future commercial development might be derived. Its release (for free) will demonstrate feasibility, and potentially harvest some consumer response.

Modern digital playback systems have the processing capability to perform the real-time rendering of multiple audio streams required to implement these interactive features.

The project is designed to amplify the current NESTA-funded work of CoDE and collaborator Script Ltd, which focuses on identifying and evaluating new modes of engagement between popular artists and audiences. Other collaborators on the Transforming Digital Music project include the music artist Daisy and The Dark and award winning Mastering Engineer Mandy Parnell of Black Saloon Studios. Our research objectives are focused on investigating two specific aspects of advanced digital music reproduction, i.e. what are the opportunities and capabilities of interactive music playback for 1) the artist (and record label) and 2) the music consumer or listener. Therefore by working in collaboration with a recognised music artist and music industry representatives, we will define and appraise this potential future of music releases.

CoDE’s Transforming Digital Music research will be disseminated in international Journals and at relevant conference and society meetings including The Audio Engineering Society, The Computer Music Journal, The Journal of the Art of Record Production, The Journal of Music and Mathematics, The Journal of New Music Research, and Innovation in Music. Furthermore, a special Interactive Digital Music Symposium will also be launched at Anglia Ruskin as a part of this project, to bring a new forum for presenting and discussing academic research in this innovative and evolving field.

FHSCE specialises in delivering near-market, translational research in partnership with health service providers and educators.

For further information about possible collaborations with FHSCE please contact Dr Sarah Burch, Director of Research & Scholarship: sarah.burch@anglia.ac.uk

Nursing Research

We recently welcomed nursing colleagues from seven of our acute NHS Partners, as well as Professor Jenny Hunt, to the first meeting of our Nursing Research Group. We were joined by a wide variety of staff, including Directors of Nursing (DoN) and Ward Nurses from Papworth Hospital NHS Foundation Trust, Cambridge University Hospitals NHS Foundation Trust (CUHFT), Peterborough & Stamford NHS Foundation Trust (P&S), Colchester Hospital University NHS Foundation Trust (CHUFT), Mid Essex Hospital Services NHS Trust (MEHT), Southend University Hospital NHS Foundation Trust (SUFT) and The Princess Alexandra Hospital (PAH). The Group is chaired by Professor Nancy Fontaine (DoN at PAH), and will meet quarterly.

We have agreed to progress three research areas in partnership:

- (1) Routines of Patient Care, starting with an observational study of in-patient hydration (which is linked to the learning outcomes of the Keogh Review and Francis Report);
- (2) Retention of Nursing Staff; and
- (3) Patient response and readiness to Self-Managed After Care.

For more information on the work of this new group please contact Professor Sharon Andrew (sharon.andrew@anglia.ac.uk) or Dr Les Gelling (leslie.gelling@anglia.ac.uk).

Midwifery Research

At the end of last year we held our first meeting of PRAM – Pragmatic Research Active Midwives.

We were joined by 12 research-receptive midwives from Hinchinbrook Healthcare NHS Trust, The Princess Alexandra Hospital NHS Trust (PAH), Basildon & Thurrock University Hospitals NHS Foundation Trust (BTUH), Southend University Hospital NHS Foundation Trust (SUFT), Mid Essex Hospital Services NHS Trust (MEHT), Peterborough & Stamford (P&S) and Cambridge University Hospitals NHS Foundation Trust.

We have agreed an initial two research themes and projects to run across the NHS Trusts

- (1) Patient Safety, and Human Factors;
- (2) The Early Years Agenda, with an initial focus of maternal stress.

Student Induction Project

Dr Debbie Holley has made early findings on her student induction research available. Her research report was compiled as part of a 'Student sense of belonging' project run by Anglia Ruskin University, London Metropolitan, University Queen Mary and University of Westminster. The appendix looks at extracts from student responses to 'what my ideal first day' would consist of. Further information can be seen at www.slideshare.net/debbieholley1/my-ideal-firstdayfinal

Mission Maasai Children's Voice Research Project

The Childhood and Youth Research Institute has set-up an action research project in the Rift Valley, Kenya. The study forms part of Mission Maasai, an Anglia Ruskin University Corporate Social Responsibility initiative. The action research project aims to capture the voices of Maasai youth who are in transition from Namuncha's primary to secondary school. During the scoping visit in September 2013, led by Chaplin Tony Cant and accompanied by Alison Feist, Dr Arthur Hibble and Dr Darren Sharpe, a pupil voice research group was established to lead on the project with on-going adult support.

Forum/conference

Dr Darren Sharpe, based in the Childhood and Youth Research Institute, participated in the BMW Foundation 4th World Young Leaders Forum, September 19–23, 2013 in Beijing. The forum was entitled: Going Sustainable – Towards Quality Growth in China and the World. Dr Sharpe has been nominated to become a Fellow of the BMW Foundation, Herbert Quandt.

Sample of Publications and Presentations

Lane, Pauline and Boden, Jane (2014) Self harm and suicide risk: Professional and Ethical Considerations in Tribe, Rachel and Morrissey, Jean (2014) *Handbook of Professional and Ethical Practice for Psychologists, Counsellors and Psychotherapists* Routledge.

Thurston, Chris (ed) 2013 *Essential Nursing Care for Children and Young People*, Routledge London.

Hill, Dave (2014) Education, neoliberalism, neoconservatism and class struggle in Britain and Europe. In Orelus, Pierre Malott, Curry and Pacheco, Romina (eds.) (2013) *Colonized Schooling Exposed: Progressive voices for transformative educational and social change*. New York: Routledge.

Peer-reviewed publications

Kanyal, Mallika, Luff, Paulette, Cooper, Linda and Webster, Rebecca (2014) Participatory approaches in research involving children. In Mallika Kanyal (Ed.) *Children's Rights 0–8: Promoting Participation in Education and Care*. London: Routledge.

Long, P. (2014) Staff and students' conceptions of good written feedback: Implications for practice. *Practitioner Research in Higher Education (PRHE) Journal, Assessment Special Issue*, 8(1) 54–63.

Moyles, Janet, Payler, Jane and Georgeson, Jan (2014) *Early Years Foundations: Critical Issues*, 2nd ed. Maidenhead: Open University Press.

Such, Christine (2014) History and development of children's rights. In Mallika Kanyal (Ed.) *Children's Rights 0–8: Promoting Participation in Education and Care*. London: Routledge.

Waller, T. Lane P. Sharpe D, Almond, P. Machin, N. (2014) SUPREME Guidelines: Report on Best Practices for Suicide Prevention using Internet and Media. Report prepared for the European Commission's Executive Agency for Health and Consumers.

Successful research bids

We are delighted to report a series of recent successful research bids:

- Maia Research Study [Sovereign Medical Limited] – Dr Ruth Jackson
- A Phase 2 Exploratory Study of Mavrilimumab Versus Anti-tumor Necrosis Factor in Subjects with Rheumatoid Arthritis – Professor James Hampton-Till
- A Global Registry to Evaluate Long-Term Effectiveness of Neurostimulation Therapy for Pain – Professor James Hampton-Till
- Post Market Registry to Observe the Clinical Outcomes of the Bare Metal Sideguard® Coronary Sidebranch Stent in De Novo Bifurcation Lesions of Native Coronary Arteries – Professor James Hampton-Till
- Investigating The Impact of NHS Research on the Health Service – Professor James Hampton-Till
- e-ASPECTS Evaluation – Professor James Hampton-Till
- A Single-Centre Case Series Clinical Study to Assess the Feasibility of Integrating Therapeutic Hypothermia using the ZOLL IVTM System as an Adjunctive Therapy to Percutaneous Coronary Intervention in Patients with Acute Myocardial Infarction – Professor James Hampton-Till
- A Multicenter, International, Randomized, Parallel Group, Double Blind, Placebo-Controlled Cardiovascular Safety & Renal Microvascular Outcome with Lingliptin, 5 mg Once Daily in Patients with Type 2 Diabetes Mellitus at High Vascular Risk – Professor James Hampton-Till
- Prefer in VTE – Prevention of Thromboembolic Events: European Registry in Venous Thromboembolism – Professor James Hampton-Till
- Global Registry on Long-Term Oral Anti-thrombotic Treatment in Patients with Atrial Fibrillation – Professor James Hampton-Till
- A Non-Interventional Observational Post-Authorization Safety Study in Subjects Treated with Lenalidomide – Professor James Hampton-Till
- A Randomised Controlled Feasibility Trial to Investigate the Timing of HDR Brachytherapy with EBRT in Intermediate and High Risk Localised Prostate Cancer Patients and its Effects on Toxicity and Quality of Life – Professor James Hampton-Till
- Care After Resuscitation: Driving Research Outcomes into Practice – Professor James Hampton-Till and Dr Thomas Keeble
- Healthy Living: Investigating Rehabilitation Regimens in Patients with Chronic Conditions – Professor Stephen Moore, Dr Sarah Burch and Professor James Hampton-Till
- The Social Perspective of Living with Dementia: A Longitudinal, Multi-Cohort Study – Professor Stephen Moore
- Proximity Ligation Assays for the Sensitive, Specific and Early Detection of Infectious Fungal Diseases – Professor Stephen Bustin
- Evaluation of Memory Binding Performance as an Indicator for Early Cognitive Decline in Alzheimer's Disease – Professor Shahina Pardhan
- Caregivers Perceptions of the Value of the Arts in Therapeutic and Clinical Interventions – Professor Carol Munn-Giddings and Dr Hilary Bungay

In particular, we are delighted that Hilary and Carol have successfully secured a highly competitive Cultural Value Project Targeted Call for Critical Reviews and Research Development Award from the Arts and Humanities Research Council (AHRC) grant.

Postgraduate Medical Institute – Supporting Collaborative Working

For further information about possible collaborations with the PMI please contact Professor James Hampton-Till, Deputy Dean (Research) and Director of Research for the PMI: james.hampton-till@anglia.ac.uk

The PMI welcomes two new NHS Partners

The Postgraduate Medical Institute (PMI) is delighted to welcome Barking, Havering & Redbridge University Hospital NHS Trust and Hinchingsbrooke Healthcare NHS Trust to its partnership. We are excited to be working more closely with these Trusts, particularly on research in the fields of otorhinolaryngology and urogynaecology.

A Joint Research Office with South Essex Partnership University NHS Foundation Trust

We will shortly welcome the Research & Development Department from South Essex Partnership University NHS Foundation Trust (SEPT) to the PMI. These colleagues will work alongside the Anglia Ruskin Clinical Trials Unit (ARCTU) to form a Joint Research Office. This collaboration will bring the PMI and the health service even closer together, and enables us to be in the best position to support NHS-driven research. As a result of this development Professor James Hampton-Till, Deputy Dean (Research), has been appointed Honorary Director of Research for SEPT.

Anglia Ruskin Clinical Trials Unit (ARCTU) – Delivering Clinical Trials, at a Commercial Standard, in the NHS

Since the launch of ARCTU, the team has been busy driving forward commercial clinical trials across our NHS Partners. The Unit is now a Quintiles Prime Site, and has new commercial clinical agreements with Novartis, Eli Lilly, ICON, PAREXEL, Biotronic, Medtronic and a number of Johnson & Johnson subsidiaries.

New Joint Research Units

The PMI now boasts nine joint research units with its NHS Partners. This is where we work with one NHS Trust to lead on a research area on behalf of the wider partnership. Most recently we have launched:

The Patrick Geoghegan Health & Wellbeing Academy: This new Academy was launched under the patronage of Esther Rantzen in October 2013, and provides a focus for all of SEPT's research activity. The Academy is leading on the development of a service user-led research programme on behalf of our local *NIHR Collaborations for Leadership in Applied Health Research and Care (CLAHRC)*. We are an active member of the North Thames CLAHRC through our membership of UCLPartners. In addition, the Academy is working on healthy ageing and dementia research.

Centre for Neurosciences Research: We were delighted to welcome Professor Iris Grunwald as our first joint clinical academic appointment with Southend University Hospital NHS Foundation Trust in November 2013. Professor Grunwald, a consultant neuroradiologist, is Director of our new Centre for Neurosciences Research and has recently submitted a £15M HEFCE capital bid to build a clinical research centre.

Cardiology Research Unit: In partnership with the Essex Cardiothoracic Centre (ECTC) at Basildon & Thurrock University Hospitals NHS Foundation Trust, this Unit was launched in March 2014 and is currently delivering a research portfolio across interventional and non-interventional cardiology. The PMI has facilitated an innovative educational programme between the ECTC and The St Andrew's Centre at Broomfield Hospital delivering surgical skills to cardiologists.

Building on its existing and emerging strengths, the Business School is ensuring that its world-leading and internationally-renowned research continues to make a real impact locally, nationally and globally to business and society.

For further information about possible collaborations with the Business School, contact Gary Packham, Deputy Dean (Research and Enterprise): gary.packham@anglia.ac.uk



The Lord Ashcroft International Business School Project Team

Lord Ashcroft International Business School is to lead an EU project on Healthy Ageing

The Lord Ashcroft International Business School has been awarded €463,000 to lead an 18 month EU project on Business Opportunities for Healthy Ageing (Biz4Age).

The Project Team previously led on the CURA-B project (the cluster preceding Biz4Age), demonstrating clear expertise in the area of healthy ageing and bridging the gap between business and the world of health and social care. The aim of the cluster is to improve economic competitiveness by raising awareness of new business opportunities for SMEs through innovations that contribute to healthy ageing, thereby improving the quality of life and reducing public expenditure. Healthy ageing is a new and expanding area where the scope for innovation and trade goes beyond medical interventions to include a broad range of environmental and other kinds of interventions and sciences.

The cluster's target groups include:

- SMEs (Small-Medium Enterprises) in sectors with potential to innovate or diversify in healthy ageing including: food and drink, ICT, transport/mobility, creative industries, interior design including lighting, construction, architecture, non-medical personal and domestic services
- Chambers of Commerce/organisations supporting SMEs
- Regional development and enterprise agencies
- Local and regional policy actors in health and social care, and economic growth
- Public and private care providers, and commissioners for the elderly
- Healthcare insurance companies
- Planners of new building projects/renovation schemes [CONTINUED OVERLEAF]

- Ageing citizens, their families and informal and formal carers
- Knowledge institutes and students.

Leading the bid is Dr Ruth McNally, Principal Lecturer in Innovation and Technology Development in the Department of Economics, International Business and Operations Management. Biz4Age builds on LAIBS' growing expertise on innovation in the healthcare sector, with a particular focus on ageing.

Biz4Age builds on Cura-B, (Accurate Business for Cure and Care), an EU-funded project that Ruth is currently working on with Biz4Age Co-Investigators, Professor Chris Ivory, Deputy Director of the Institute of International Management Practice and Dr Greg O'Shea, Senior Lecturer in the Department of Marketing, Strategy and Enterprise.

Biz4Age builds on LAIBS' growing expertise on innovation in the healthcare sector, with a particular focus on ageing.

Started on the 1st April 2014, Biz4Age aims to identify ways to improve economic competitiveness by raising awareness of new business opportunities for SMEs through innovations that contribute to healthy ageing.

Ruth, who is Departmental Director of Business Engagement and Research, is currently working on several other externally funded projects including Catalyst, funded by the ESPRC, and Socialising Big Data, funded by the ESRC.

As a partner in Cura-B, LAIBS has mapped the complex healthcare sector supply chains in the East of England, North of France, West Flanders and Zeeland. However, many SMEs are unaware of these new opportunities and have no experience of the complex care 'ecosystem', comprising mixtures of public and private organisations, obscure procurement processes and extended chains of customers and users. This complexity weakens the links between supply and demand, leading to market failure and lower levels of innovation.

Ageing populations, a shrinking workforce and reduction in public resources mean that healthcare systems must reduce demand on their services without reducing quality. CURA-B has found that bringing knowledge actors into the ecosystem to foster triple-helix interactions is one way to overcome some of the blockages. It predicts that as healthy ageing increases the role of private citizens in determining their own care, *quadruple-helix* level interactions involving civil society actors will be increasingly important.

Ageing populations, a shrinking workforce and reduction in public resources mean that healthcare systems must reduce demand on their services without reducing quality.

Sample of Publications and Presentations

Smith, Jonathan, "A Holistic Framework for Leaders in a Wicked World" *Journal of Finance and Management in Public Services*, Volume 11, Number 2, July 2013.

Miller, Lianne and Lloyd-Reason, Lester "The interplay of entrepreneurial cognition and internal stakeholders", *Int. J. Entrepreneurship and Small Business*, Vol. 19, No. 2, 2013.

McNally, Ruth "Methods of the multiple: how large-scale scientific data-mining pursues identity and differences" in *Theory, Culture & Society* Volume 30 Issue 4, July 2013.

Mackenzie, Adrian, Waterton, Claire, Ellis, Rebecca, K. Frow, Emma, McNally, Ruth, Busch, Lawrence and Wynne, Brian "Classifying, Constructing, and Identifying Life: Standards as Transformations of "The Biological", *Science Technology Human Values*, published 11th June Link: <http://sth.sagepub.com/cgi/content/abstract/0162243912474324v1>

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Rayment, John and Smith, Jonathan (2013) "The current and future role of business schools, Education & Training", Special issue: *Future of business education and schools*, Volume 55 issue 4/5, pp. 478–494.

European experts take part in Anglia Ruskin workshop to discuss new working practices

Anglia Ruskin University took part in a cross-European project to investigate strategies for work reorganisation that provide enhanced flexibility for employers while also maximising security for workers. Flexibility for employers refers to work organisation, working time, salary levels and structures, geographical mobility and employment levels.

Security-enhancing solutions for workers include flexi-time, telecommuting and virtual teams, reduced hours, sabbaticals for re-training, temporary assignments in other organisations and income support during temporary layoffs.

LAIBS hosted an international workshop to discuss these issues on its Cambridge campus on Tuesday 1st April that featured academics and industry experts from Belgium, Bulgaria, Estonia, Hungary, Italy and Spain.

Dr Kenneth Dubin, Principal Lecturer in Human Resource Management, said:

“Prior to the economic crisis that began in 2008, the European Union’s employment strategy favoured the promotion of ‘flexicurity’: negotiated and legislative reforms to provide employers with greater flexibility while encouraging an expansion of government and third-party provision of active labour market policies, such as job re-training and placement schemes.

“This strategy was largely based on the pioneering experiences of countries in Northern Europe, particularly Scandinavia. However, as the crisis has strained public sector budgets, governments everywhere – particularly those in countries where ‘flexicurity’ was least advanced – have scaled back their commitments to assisting workers displaced by competitive adjustment.

“Given the enormous long-term social costs of unemployment and precarious jobs, such as poverty and social unrest, finding alternative solutions to complement a less ambitious role for government is critical to Europe’s future.”

Researchers will analyse innovative, bargained solutions that balance flexibility and worker welfare. The potential solutions will then be debated with employer associations, unions and employers in order to gauge their suitability across different nations, sectors and firms.

Given the enormous long-term social costs of unemployment and precarious jobs, such as poverty and social unrest, finding alternative solutions to complement a less ambitious role for government is critical to Europe’s future.



Dr Kenneth Dubin

Accepted for publication

Southern, Jen, Ellis, Rebecca, Ferrario, Maria Angela, **McNally, Ruth**, Dillon, Rod, Simm, William, Whittle, Jon 2013. “Imaginative labour and relationships of care: Co-designing prototypes with vulnerable communities”. *Technological Forecasting and Social Change*.

Brennan, Ross, **Tzempelikos, Nektarios**, and **Wilson, Jonathan** “Improving relevance in B2B research: Analysis and recommendations”, *Journal of Business & Industrial Marketing* (2*ABS, Impact Factor: 1.000).

Gounaris, Spiros and **Tzempelikos, Nektarios**. “Relational Key Account Management: Building Key Account Management Effectiveness through Structural Reforms and Relationship Management Skills”, *Industrial Marketing Management*.

Two applications for Marie Curie International Incoming Fellowships.

The IIMP's mission is to be internationally recognised by businesses, academics, investors and public policymakers for the relevance, quality and rigour of its research in enterprise, innovation and internationalisation – particularly relating to growth-oriented businesses.

For further information about possible collaborations with the IIMP contact Prof Simon Down, Professor and Director of IIMP: simon.down@anglia.ac.uk

Anglia Ruskin's Professor Ivory co-authors book on the new service-driven economy

Professor Chris Ivory is shining a light on the complex world of modern big business in a new book which examines how manufacturers have shifted from providing traditional products to a more complex array of services.

Professor Ivory, Deputy Director of the IIMP at Anglia Ruskin, has co-authored *Managing Complex Projects: Networks, Knowledge and Innovation* (Routledge) with Dr Roger Vaughan and Dr Neil Alderman (both Newcastle University) and Professor Ian McLoughlin (Monash University).

The book is based around three case studies covering 'trains, cranes and drains': Alstom Transport's supply of the West Coast mainline tilting trains; a major Rolls-Royce materials handling project in Argentina; and a sludge processing plant built by Northumbria Water.

Until recently, manufacturers of large capital goods responded to a detailed specification from a client, handed over the finished equipment and then withdrew. However, nowadays a new breed of commercially-driven clients demand that manufacturers provide services rather than products.

These services are often complex systems and networks that require vigilant project management. And no longer does the client shoulder the risk that comes with owning and operating capital equipment – instead the manufacturer often takes on those risks, which can be considerable.

Professor Ivory said:

"As demand has changed, many leading manufacturers, such as Rolls-Royce and the train builder Alstom Transport, have transformed themselves into service providers.

This can involve financing, maintenance arms offering guaranteed levels of reliability, facilities management and even disposal services.

"Service-led projects are also inherently contradictory. If the manufacturer has to maintain the equipment at its own cost for the length of the contract, then it's logical for them to build reliable, easy-to-maintain equipment at a higher initial cost. This is obviously different to building equipment that is merely fit for purpose at the point of hand-over.

"It has also transformed the nature of project management. Lead contractors must hold together more complex and diverse consortiums, many of which may not be in their direct control.

"A well-planned and well-executed project may deliver a reliable profit to a manufacturer over a contract life spanning perhaps 15 years, while a poorly-planned one may just as easily constitute a stream of debt over the same period."



Professor Chris Ivory

However, nowadays a new breed of commercially-driven clients demand that manufacturers provide services rather than products.

IIMP

Giovannetti, Emanuele and Magazzini, Laura, (2013) "Resale Price Maintenance: An Empirical Analysis of UK Firms' Compliance" *The Economic Journal*, Volume 123, Issue 572; F582–F595.

Two conferences

D'Ignazio Alessio and Giovannetti Emanuele, (2013) "Internet Connectivity Wars: The Impact Of Mutual Trust And Providers Asymmetry" *The 33rd International Symposium on Forecasting: Forecasting with Big Data*, International Institute of Forecasters, KAIST College of Business, Seoul, Korea, June 23–26, 2013.

D'Ignazio Alessio and Giovannetti Emanuele, (2013) "Internet Access: the Role of Asymmetry and Trust in Explaining Connectivity Cycles", 47th Annual Conference of the Canadian Economic Association, 30 May 30 June 2, 2013, HEC Montréal, Quebec.

Invited by the Editors of the *Economic Journal*, (The Official Journal of the Royal Economic Society) to coordinate a Special Feature on "Empirical Methods in Competition Policy", feature publication date November 2013.

Derbyshire, James "Preparing for the future: development of an 'antifragile' methodology that complements scenario planning by omitting causation", *Technological Forecasting & Social Change* (3* ABS list).

Kautonen, Teemu, Marco van Gelderen and Matthias Fink (2013). "Robustness of the theory of planned behaviour in predicting entrepreneurial intentions and actions". *Entrepreneurship Theory and Practice*, (4* ABS list).

Two applications for Marie Curie Intra European Fellowships.

Anglia Ruskin to host research project backed by British Academy and Royal Society

Finnish academic, Jukka-Pekka Heikkila, has been awarded a prestigious Fellowship to help him carry out a new research project at Anglia Ruskin University.

Newton International Fellowships are awarded jointly by two of the UK's national research academies – the British Academy and the Royal Society. The Fellowships are part of a £29 million Government initiative to ensure that the UK engages with the world's most promising academics.

Jukka-Pekka Heikkila commenced his research, focusing on hidden entrepreneurship in East Asia, in January.

Jukka-Pekka Heikkila

"This project attempts to provide insight into the latent forms of entrepreneurship in East Asia, a topic which has been neglected by Western business scholars.

"My work aims to provide an understanding into how entrepreneurial visions and cultural images reflect into entrepreneurial action. All societies have entrepreneurial activity; it is just not always directed towards Western-based capitalism.

"The research is an important opportunity to study latent attitudes to business and entrepreneurship, which will give us potential indicators of the shape of East Asian economies in the future."



Jukka-Pekka Heikkila

Professor Simon Down, Director, Institute for International Management Practice

"This Fellowship and Jukka-Pekka's research demonstrates the Lord Ashcroft International Business School's ongoing commitment to producing internationally recognised research of the highest quality – research that is as far reaching in its appeal as it is in its relevance. Newton International Fellows receive support in the region of £100,000 each for a two-year placement in the UK. The collaborations and links formed by Newton Fellows will continue to be supported by follow-on funding of up to £6,000 per year, for up to 10 years, to help develop lasting international networks."

RECENT & UPCOMING EVENTS

May 28 in Cambridge: Realising and increasing impact and engagement through creativity, interdisciplinary and co-creation at the front end of innovation by Prof Lorraine Warren.

May 30 in Chelmsford: Publishing in academic journals by Prof Simon Down.

June 04 in Chelmsford: Understand your academic career – panel discussion with Prof Gary Packham, Dr Sally Everett & Prof Simon Down.

July 23 in Cambridge: Publishing in academic journals by Prof Simon Down.

Science and Technology covers a wide range of scientific and technological disciplines: Engineering and the Built Environment; Computing and Technology; Life Sciences; Vision and Hearing Science and Psychology.

For further information about possible collaborations with Science and Technology, contact Professor Michael Cole, Director of Research, Knowledge Transfer and Scholarship: michael.cole@anglia.ac.uk

FST academics are finalising the deliverables of the FP7 Echo2Eco project

Echo2Eco has gathered SMEs and research organisations from four countries (Norway, Germany, Ireland and UK) in a consortium whose aim has been to develop a novel cost-effective acoustic absorber suitable for installation in energy-efficient thermal mass buildings.

The two year project has attracted €2.4 million of funding from the European Commission, under the

FP7 Capacities scheme. The Anglia Ruskin team (Dr Alan Coday, Dr Carlos Jimenez-Bescos, Dr Silvia Cirstea and Dr Rob Toulson) has had a significant input in the design, optimisation and testing of the new product, thus contributing to the successful completion of the project. The final meeting of the consortium, which took place at the end of January 2014, reviewed the latest test results which confirm

the technical advantages of the proposed product. This research team has also been instrumental in filing for a European Patent Application.

The Anglia Ruskin team has had a significant input in the design, optimisation and testing of the new product.





The team behind the EU-funded REversible Inflow control VALve (REVIVAL) programme

Photo courtesy of Essex Chronicle

Anglia Ruskin scientists involved in programme to improve efficiency by 25%

A groundbreaking project to improve the efficiency of worldwide oil extraction, potentially worth billions of pounds every year, was recently showcased at Anglia Ruskin. The EU-funded REversible Inflow control VALve (REVIVAL) programme aims to increase the rate of oil recovery from wells by as much as 25%. Currently only 32% of worldwide oil reserves are extracted due to problems with water and gas seeping into wells.

The REVIVAL project is testing a newly-designed Autonomous Inflow Control Valve (AICV) that immediately shuts off production at points where water and gas break through but allows oil production to continue from other zones along the well. The AICV works thanks to the difference in viscosity of oil, water and gas. The presence of water or gas leads to a lower change in pressure which automatically closes the valve. The valve is entirely self-regulating and does not require any type of control electronics or connection to the surface. It also removes the risk, cost and requirement for separation, transportation and handling of unwanted fluids.

The valve is entirely self-regulating and does not require any type of control electronics or connection to the surface.

Anglia Ruskin is leading one of three teams, which is made up by a combination of companies and academics from the UK, Germany, Sweden, and Norway. Scientists from Anglia Ruskin's Engineering Analysis, Simulation and Tribology group are focusing on Computational Fluid Dynamics (CFD) to gain a better understanding of the flow phenomena, as well as design optimisation and calibration.

Sample of Publications and Presentations

Bending, Chris and **Morad, Munir** (2013) The Role of Statutory Environmental Assessments in Real Estate Developments in the United Kingdom. A Compendium of International Real Estate and Construction Issues. New York: Nova Science Publishers. 1: 1–16. ISBN: 978-1-62417-084-3.

Greig, Alison, **Cole, Mike** and Khudiyeva, Sevda (2013) Recommendations for change to achieve sustainable higher education in Kazakhstan. Journal of Education for sustainable development. Submitted.

Mwenesengole, Ellen., Hall, Sarah., Gautam, Lata., Waterhouse, John. S. and **Cole, Mike** (2013) Simultaneous detection of controlled substances in waste water. Analytical methods. Submitted.

Biomedical Science – Scientific Conference Day at Cambridge Wednesday 9th April 2014

Dr Richard Jones, Lecturer in Biomedical Science, won a Biochemical Society Sponsored Events Grant of £400 for the Scientific Conference Day, which is part of the Current Advances in Biomedical Science module.

The second semester module is taken by the 140 final-year students on the BSc in Biomedical Science programme. The aims of the module are to foster employability and promote interest in exciting research through Employability, Studentship and Scientific Conference Days at the Cambridge Campus.

The venue was the Mumford Theatre, which has excellent acoustics and

normally hosts theatre companies. The speakers explained cutting-edge research techniques, their results, and what they mean for biomedical science. The keynote research lecture was given by Dr Mike Harrison (University of Leeds) and it was also attended by the Department of Life Sciences staff as part of the local research seminar series. Students presented posters to staff for assessment on the day.

The second semester module is taken by the 140 final-year students on the BSc in Biomedical Science programme.

The money awarded was used for student poster prizes, light refreshments during session breaks and reimbursing travel costs for visiting speakers. A report about the Scientific Conference Day will be published in The Biochemist. The Biochemical Society (www.biochemistry.org/Home.aspx) promotes the advancement of the molecular biosciences, representing the interests of all those working in the sector. For further details contact richard.jones@anglia.ac.uk

Dr Cathrine Jansson-Boyd is newly promoted to Reader

Dr Cathrine Jansson-Boyd's research focuses on consumer psychology related matters.

In particular, she researches how the role of touch plays a part in the evaluation process of products as well as its effect on consumer decision making. Her work in this area has revealed that tactile input can at times influence consumers more than visual input. Such work is opening up new ways for manufacturers and marketers in regards to how they can persuade consumers to purchase products. Cathrine also has an interest in how to make consumers more environmentally aware.

In ongoing projects she is investigating how people can be encouraged to reduce their energy consumption. One of the projects is funded by the European Regional Development Fund and it is aimed at 'teaching' previously homeless people to be environmentally aware. This is done as a way to provide self-help skills from both a financial and psychological perspective.

Cathrine's work in this area has revealed that tactile input can at times influence consumers more than visual input.

The GSI boasts a dynamic group of researchers involved in a wide variety of research projects and collaborates with numerous external partners – for example, the UK Department for Energy and Climate Change and Scandinavian construction company Skanska. Our research focusses on four areas: global resources and risk, climate action and cultural systems, consumption and change and education for sustainability. For further information about possible collaborations with the GSI, contact Dr Aled Jones, Director – Global Sustainability Institute: aled.jones@anglia.ac.uk

Work will help East of England – the second most ‘stressed’ region in Europe

Anglia Ruskin University has been awarded £175,000 from the European Commission to investigate and promote new ways of improving water efficiency in the region.

The East of England is the second most ‘water stressed’ part of Europe, behind south-east Spain, and is likely to face severe water shortages over the next 20 years due to significant changes in rainfall patterns and a steadily increasing population.

Working in partnership with Opportunity Peterborough, Anglia Ruskin’s Global Sustainability Institute is leading the East of England network of the €2 million WE@EU (Water Efficiency in European Urban Areas) project.

Other partners on the three-year scheme are the Provence-Alpes-Côte d’Azur region in the South of France; Aragon in Spain; Eastern Galilee in Israel, and the Mediterranean island of Malta.

The objective is to influence regional and national governments, and the EU, to enable these regions, and clusters within them, to continue innovating in areas in which they have a competitive advantage. The East of England has a number of high-tech clusters and specialist water innovation companies, and it is hoped that further funding will be generated for the ideas developed and showcased by the project.

Dr Aled Jones, Director of the Global Sustainability Institute (GSI) at Anglia Ruskin, said: “With Opportunity Peterborough, the GSI is building up knowledge of the region’s expertise in water management and efficiency within urban areas. Specifically the GSI will be focusing on bringing

in further international partners and building collaboration agreements to take these forward.

“The demand of urban environments on water use from supply to sewage is an increasingly important challenge for the EU to tackle. The WE@EU consortium brings together water expertise from across Europe to try and build collaborations and shared learning with the aim of being able to address some of the challenges.”



New Country Resource Maps Report reveals far-reaching trends

The Global Resource Observatory is the largest single research project being undertaken at the GSI. It investigates how the scarcity of finite resources will impact global social and political fragility in the short term. In May, the GSI published a new report, the Country Resource Maps Report, which used selected datasets to understand how natural resource availability may influence future global prosperity.

The uneven distribution of natural resources globally is relevant to both national political stability and global international relations. A country's access to natural resources, such as fossil fuels and water, is influenced by both physical and geopolitical issues. As the 2007–2008 commodity price crisis made clear, volatility and shifts in the export and trade of resources can affect global political stability.

Human activity is having a progressively disruptive effect on the environment and biodiversity, and contributes to increasing climate change through greenhouse gas emissions. The frequent recurrence of extreme weather conditions (floods, droughts, hurricanes, etc.) endangers production activities and contributes to resource stresses including food insecurity, poverty and inequality. These can also generate political instability.

Human activity is having a progressively disruptive effect on the environment and biodiversity, and contributes to increasing climate change through greenhouse gas emissions.

In the Country Resource Maps Report, data acquired for each country was used to generate a series of maps that make it possible to see at a glance some major trends. Taking into account the unbalanced distribution of resources and the adverse effect of human activity on the environment and subsequent impact on production, the data and the maps generated in the Country Resource Maps Report reveal an important picture. The maps represent important underlying drivers of economic prosperity: food, water, energy and capital. These are, however, not the sole drivers of national economic growth. In addition, the macro country level trends often hide regional issues or inter-country relationships (such as a shared water source). It is hoped that the commentary on the country level trends will be the start of a dialogue on global risk which enables a much more detailed and thorough analysis of these issues.

In addition, the gaps in the data also tell a story of their own; of inadequate resources to collect information, particularly in parts of Africa. Despite

these gaps, the picture that emerges, not only of the obvious big differences between rich countries and poor countries, is one at a more specific country level which can, for instance, enable the reader to make more sense of the policies national governments are pursuing, both domestically and internationally.

It is hoped that the commentary on the country level trends will be the start of a dialogue on global risk which enables a much more detailed and thorough analysis of these issues.

The Global Resource Observatory project, funded by the Peter Dawe charitable trust, is an ambitious one and is therefore being approached in stages. The Country Resource Maps Report is the outcome of the first stage, gathering together some key pieces of data and capturing them visually on maps.

Over the next year or so a model that explores political stability trends and behaviours as a result of resource trends is being built by the GSI using a combination of systems dynamic theory and agent based modelling. It is hoped that this model will be used in political decision making and global risk management so the worst impacts can be avoided.



Anglia Ruskin wins International Sustainability Award

Anglia Ruskin University's sustainability credentials have been internationally recognised by the International Sustainable Campus Network (ISCN) where it picked up first prize in a very strong field of Higher Education Institutes from around the world. The award, for Excellence in Integrating Sustainability, was presented to Dr Alison Greig (GSI) and Sarah Johnson (Estates and Facilities) at the ISCN's annual conference hosted by the National University of Singapore.



Dr Alison Greig and Sarah Johnson are presented with the award for Excellence in Integrating Sustainability

Dr Alison Greig, Director of Education for Sustainability gave a presentation to the conference demonstrating how Anglia Ruskin has placed sustainability at the core of its corporate vision. Alison was able to demonstrate how, as well as carrying out internationally-recognised research in sustainability and striving to exceed benchmarks

for the sustainability of buildings and processes, Anglia Ruskin aims to make sustainability a key part of every student's experience by embedding sustainability across the curriculum and co-curriculum.

For example, Anglia Ruskin was the first UK university to sign the Rio+20 Declaration of Higher Education

Institutions, one of the first UK Universities to achieve ISO14001 in 2009 in just eighteen months and has been recognised for its innovative approach to integrating research and education with our physical environmental management. The Global Sustainability Institute (GSI) has already built an international reputation for its research focusing on behaviour change, resource scarcity, policy and climate finance and earlier this year Anglia Ruskin launched a new MSc Sustainability as a partnership with the Eden Project and Change Agents UK. It is the first time the globally-renowned Eden Project has partnered with a university on an academic programme. The MSc, which was given a special mention by the judges, has also just been shortlisted for an EAUC Green Gown Award.

The ISCN awards are open to any college or university worldwide that has developed outstanding planning, construction, or educational projects that promote sustainability on campus and in the surrounding community. Other awards were won this year for outstanding sustainability efforts in the categories of buildings, campus, integration and student leadership by the University of Gothenburg (Sweden), Zhejiang University (China), Chatham University (United States) and Lappeenranta University of Technology (Finland). This is only the second time a UK University has won an award.

The Research Services Team at Anglia Ruskin University provides expert advice and support to colleagues for UK, International and European research funding.

We assist throughout the pre-award process by identifying and disseminating funding opportunities; offering guidance on eligibility and funder requirements; and reviewing research proposals, which includes costing and advice on risk assessment and ethical procedures. We offer a variety of different events and training courses, ranging from bid writing, to costing and identifying funding opportunities, to our very successful annual research conference and new [research blog](#).

The team is led by Dr Tony West, Director of Research, Development and Commercial Services (RDCS). For further information about UK funding contact: ruth.sandland@anglia.ac.uk, for EU and International funding contact aimi.maccormac@anglia.ac.uk

Teams merge to create Research Services, offering improved support for research funding

Over the last 6 months the UK and EU and International Funding Teams have merged to form Research Services, supported by a new externally-facing website and Research Blog. This offers a more cohesive and supportive support structure for all aspects of applying for and winning external research funding.

UK

There has been a great deal of activity in UK Funding so far this year with over 60 bids already submitted university wide. FHSCE has successfully won two Research Council bids and work has started on our successful Royal Academy of Engineering, College of Optometry and British Academy awards. The new 2014 Faculty Funding Guides are available to download from our website (www.anglia.ac.uk/researchservices) or in paper

copy from your faculties and detail all of the exciting UK funding opportunities coming up in 2014.

There has been a great deal of activity in UK Funding so far this year with over 60 bids already submitted university wide.

EU and International

A new Framework Programme for European Research Funding was launched on 1st January 2014, called Horizon 2020. Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020) – in addition to the private investment this money will attract. It promises

more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market. Many Anglia Ruskin scholars are still working on partnership applications in response to the first calls, but we are delighted to report that the first Horizon 2020 submission was made on 25th March 2014 by Dr Zoe Jaques with her European Research Council (ERC) Starting Grant application entitled: Visualising Victorian Childhoods, 1830–1900 (ViVaChildhood). These grants, with a value of up to €1.5m over 5 years, aim to support up-and-coming research leaders who are about to establish a research team and to start conducting independent research in Europe. Further information on this and other schemes are available on our website www.anglia.ac.uk/researchservices

Chelmsford campus hosts Annual Research Conference

The third Anglia Ruskin University Annual Research Conference – Communicating your research – was held on the 16th January 2014.

The conference took place on the Chelmsford campus and was extremely well attended. Delegates enjoyed presentations from Tim Brooks, our REF Manager, Margaret March from ARRO and a variety of staff.

We were very excited to welcome Jon Drori, our keynote speaker, who gave a fascinating and informative presentation on the rules of communication, and engaged the audience in quick fire elevator pitches.

His presentation is available on the internal Research Services website http://web.anglia.ac.uk/anet/rdcs/uk_funding/researchconf2013.phtml

We also welcomed John Wakeford and Sarah Andrew from the Missenden Centre in March to run a bid writing course for staff. This was very popular and built on the success of previous internally-run Faculty-driven bid writing courses. A number of applications will be submitted as a direct result of the courses and all will have benefitted from a very robust group peer review.

Working towards UK National Concordat compliance

Anglia Ruskin fully supports the principles of the UK National Concordat to support research integrity.

We are presently working to ensure that we are in full compliance with the Concordat by the end of the 2013–14 academic year. To complement and support the Concordat we have produced a leaflet “Your Guide to

Good Research Practice”, a bite-size version of the full Anglia Ruskin University Good Research Practice Guide setting out our expectations and good practices. Click [here](#) to download it from our website.

We also have new guides available on a variety of European Funding schemes, all of which can be found [here](#).

Update for 2014

As colleagues will know, the end of November 2013 was the deadline for us to make our submission to the Research Excellence Framework (REF) 2014.

Now that we've recovered, we can take stock of our achievement and the headline news is excellent. We submitted research in the following Units of Assessment: Allied Health; Psychology; Biological Sciences*; General Engineering*; Architecture, Built Environment & Planning*; Geography & Environmental Studies; Business & Management*; Law*; Social Work & Social Policy; Education*; English; History; Art & Design; Music, Drama, Dance & Performing Arts; and Communications, Cultural and Media Studies*. That's a total of 15 UoAs. In comparison, in RAE 2008, the predecessor to REF 2014, we submitted to 9; and the Corporate Plan asked for submissions to 12 UoAs. Almost half of these, marked with *, were to areas we didn't submit to in RAE 2008. Many involved colleagues from more than one Faculty, demonstrating significant cross-institutional collaboration.

Over 196 members of staff (168.36 FTE) were included in these submissions, more than doubling our RAE entry of 89 staff (71.14 FTE), and much greater than our target to submit at least 100 staff. That's particularly pleasing given that, overall, UK HEIs submitted 52,077 staff to the REF, compared with 52,401 submitted to RAE 2008; even if institutions were not as highly selective as the Times Higher would have had

us believe, our growth would seem to buck the trend.

As with most institutions, we relied on rigorous external review of our outputs to help us arrive at decisions about who and what to submit. About 69% of our submitted outputs were rated at 3* and 4* (world leading/internationally excellent) – nearly double our target of 35%, though it will be the actual REF result that matters. Of course, outputs are worth 65% of the final mark, the remainder coming from judgements about our impact (20%) and the quality of our research environment (15%), and these aspects are much more difficult to predict. Final quality profiles will be published in December 2014. All we can do now is keep our fingers crossed.

Outputs are worth 65% of the final mark, the remainder coming from judgements about our impact (20%) and the quality of our research environment (15%).

What we can be doing to keep ourselves occupied until the results are published is to start planning for the next REF. A date has not yet been confirmed, but the buzz seems to suggest that the next REF will take place in 2020, in which case our submissions will be needed by the end of November 2019. We expect that, broadly, the next REF will look very much like the REF just gone, the submissions comprising research outputs

produced by the staff selected for submission, a description and data about the research environment in which that takes place, and description and evidence of the impact of the research undertaken by the submitting unit, probably since 1st January 1999. The processes for assessing impact used in REF 2014 are currently being reviewed by RAND Europe, and if they conclude the methodology did not work, a new way of doing will be found. Impact will also rise to be worth 25% of the final mark, probably at the expense of outputs which will fall to 60%, leaving research environment at 15%.

The other major change is around the introduction of open access criteria. In brief, the next REF will require all journal articles, and all conference proceedings carrying an ISSN (but not an ISBN), accepted for publication on or after 1st April 2016, to be made available on an open access basis through an institutional repository (like ARRO), shared repository service or subject repository as soon as possible after the date of acceptance and not more than three months after this date. Where an output is published under embargo, which must not exceed 12 months (for Main Panels A and B) or 24 months (for Main Panels C and D) from date of publication, the output itself must become openly accessible as soon as possible and not later than one month after the end of the embargo period. Full details on the HEFCE website here: www.hefce.ac.uk/pubs/year/2014/201407/#d.en.86771 [CONTINUED OVERLEAF]

So if we do only two things now, the first is to embed due regard for impact into our research. This means routinely considering how we can best ensure the research we intend to do will be impactful, planning how to best promote our research (and then doing it!), to ensure that it reaches those who can benefit from our findings, in the huge variety of ways that that can happen. It also means making sure that evidence demonstrating that impact is collected and retained, so we don't have to try and find it retrospectively as we did for REF 2014.

Secondly, it is now doubly important to get into the habit of routinely depositing research outputs into ARRO; and in support of future REF ambitions Research Committee have recently launched an Open Access Support fund, which will cover the costs of publishing in journals that are open-access from the outset. Further details of the scheme are here: <http://web.anglia.ac.uk/anel/rdcs/research/openaccess.phtml>

At institutional and Faculty levels, we are beginning to strategise for REF 2020, and more information will follow.