

Annex A

Participating institutions and units of assessment

CLINICAL MEDICINE	PHYSICS	EARTH SYSTEMS AND ENVIRONMENTAL SCIENCE	SOCIAL WORK AND SOCIAL POLICY	ENGLISH LANGUAGE AND LITERATURE
University of Bristol		Brunel University	University of Bristol	Brunel University
	University of Cambridge		De Montfort University	University of Cambridge De Montfort University
	University of Durham	University of Durham University of East Anglia	University of East Anglia	
University of Exeter*				University of Exeter
Imperial College	Imperial College			
	Keele University		Keele University	
	Lancaster University			Kingston University Lancaster University
	Liverpool John Moores University	University of Leeds	University of Leeds	Liverpool John Moores University
		University of Manchester	London School of Economics and Political Science London South Bank University	University of Manchester
University of Oxford		University of Oxford		
University of Plymouth*		University of Plymouth		
Queen Mary University London				Queen Mary University London
	University College London			University College London
University of Warwick	University of Warwick			
	University of York		University of York	

CLINICAL MEDICINE	PHYSICS	EARTH SYSTEMS AND ENVIRONMENTAL SCIENCE	SOCIAL WORK AND SOCIAL POLICY	ENGLISH LANGUAGE AND LITERATURE
University of Dundee University of Glasgow Cardiff University	University of St Andrews Swansea University	University of Glasgow University of Stirling University of Ulster	University of Stirling Swansea University University of Ulster	University of Dundee University of St Andrews Cardiff University

* A joint submission was made by these two institutions.

Annex B

Membership of the impact pilot expert panels

Clinical Medicine

Professor Sir Alex Markham (Chair)	Professor of Medicine at the University of Leeds. Previously Chief Executive of Cancer Research UK and continues as Senior Medical Advisor. Chairs the OSCHR Translational Medicine Board, 'Research Capability Programme' in NHS 'Connecting for Health' and the ARC Scientific Strategy Committee. A Fellow of the Academy of Medical Sciences, he chaired the National Cancer Research Institute (NCRI), was a founder member of the UKCRC Board, the NIHR Advisory Board and the Government's Cancer Reform Strategy Advisory Board. Previously spent 15 years with ICI Pharmaceuticals including drug development and introduction of DNA Fingerprinting for forensic applications worldwide.
Professor Sir Sabaratnam Arulkumaran	Head of Obstetrics and Gynaecology at St George's, University of London, and President Elect of the International Federation of Obstetrics & Gynaecology. Formerly president of the Royal College of Obstetricians and Gynaecologists.
Dr Richard Barker	Director General of the Association of the British Pharmaceutical Industry (ABPI). Founder and president of New Medicine Partners and the chairman of Molecular Staging Inc. Formerly CE of Chiron's diagnostic division, General Manager of IBM's worldwide healthcare business and leader of McKinsey's European healthcare practice.
Professor Lord Ara Darzi KBE	Paul Hamlyn Chair of Surgery at Imperial College London and consultant at Imperial College NHS Healthcare Trust at St Mary's Hospital and honorary consultant at The Royal Marsden Hospital. Professor of surgery at the Institute of Cancer Research and currently the chair of Institute of Global Health Innovation Imperial College. Previously parliamentary under secretary of state, Department of Health.
Professor Chris Day	Pro-Vice Chancellor and Provost of Medical Sciences at the University of Newcastle, on the Councils of the MRC and Academy of Medical Sciences, Chair of the Research Committee of the Medical Schools Council and Trustee of the Alcohol Education and Research Council.
Professor Sir Liam Donaldson	Chair of the National Patient Safety Agency and chancellor of the University of Newcastle. Formerly Chief Medical Officer for England.
Professor Stephen Holgate	MRC Clinical Professor of Immunopharmacology at the University of Southampton and Honorary Consultant Physician at Southampton University Hospitals Trust. Chair of the MRC Population and Systems Medicine Board and appointed chair of main panel A in the REF.
Dr Stephen Inglis	Director of the National Institute for Biological Standards and Control (NIBSC). Previously, Research Director at Cantab Pharmaceuticals and Lecturer in virology at the University of Cambridge.
Professor Patrick Johnston	Dean of the School of Medicine, Dentistry and Biomedical Sciences at Queen's University Belfast. Founder of the biotech company, Almac Diagnostics and founder and Deputy Chair of the Society of Translational Oncology.
Professor Robert Lechler	Vice-Principal (Health) and Executive Director of King's Health Partners Academic Health Sciences Centre. Chairs the Clinical Trials Expert Advisory Group.

Professor Peter Littlejohns	Clinical and public health director at the National Institute for Health and Clinical Excellence (NICE) and Professor of Public Health at the University of London. Was a member of the Health Services Research sub-panel in RAE2008.
Professor Paul Matthews	Vice President for Imaging, Medicines Discovery and Development, GlaxoSmithKline (GSK) and Head, GSK Clinical Imaging Centre, Hammersmith Hospital, London. Professor of Clinical Neurosciences at Imperial College, London.
Professor Paul Moss	Head of the School of Cancer Sciences at the University of Birmingham and Director of the city's Cancer Research UK centre. Deputy Chair of the Infection & Immunity Board at the MRC and Chair of the CRUK Clinical and Translational Research Committee.
Sir Nick Partridge OBE	Chair of INVOLVE and chief executive of the Terrence Higgins Trust. Vice Chair of the Department of Health Expert Advisory Group on AIDS.
Dr Richard Peck	Global Head of Clinical Pharmacology at Roche Products Ltd. Formerly Director of European Clinical Pharmacology at Eli Lilly & Co and past Chair of the ABPI Experimental Medicine Group.
Professor Rodney Philips	Co-Director of the Institute of Emerging Infections at the University of Oxford and Director and Chairman of the Peter Medawar Building for Pathogen Research. Was a member of the Infection and Immunology sub-panel in RAE2008.
Dr June Raine	Director of Vigilance and Risk Management of Medicines at the Medicines and Healthcare products Regulatory Agency (MHRA). Chair of Pharmacovigilance Working Party of European Committee on Human Medicinal Products.
Professor Sir Peter Rubin	Chair of the General Medical Council and Professor of Therapeutics at the University of Nottingham. Previously co-chaired the Dental Joint Implementation Group for HEFCE and was formerly Dean of the Faculty of Medicine and Health Sciences at Nottingham.
Sir John Savill	Vice-Principal and Head of the College of Medicine and Veterinary Medicine at the University of Edinburgh. Has also worked part-time as the Chief Scientist for the Scottish Government Health Directorates and is on the Lothian Health Board. Recently appointed as Chief Executive and Deputy Chair of the MRC. Was the chair of the Other Hospital Based Clinical Subjects sub-panel in RAE2008.
Professor Alan Silman	Medical Director at Arthritis Research UK and Professor of Rheumatic Disease Epidemiology at the University of Manchester. Previously directed the ARC's Epidemiology Unit. Was the Chair of the Epidemiology and Public Health sub-panel in RAE2008.
Professor Patrick Sissons	Regius Professor of Physic at the University of Cambridge. Chair of the Academy of Medical Sciences' Clinical Academic Careers panel. Previously Head of the Department of Medicine at Cambridge. Was a member of the Other Hospital Based Clinical Subjects sub-panel in RAE2008.
Professor Rosalind Smyth	Brough Professor of Paediatric Medicine, Director of Clinical Research, Faculty of Health and Life Sciences, University of Liverpool and Director of the NIHR Medicines for Children Research Network. Was a member of the Other Hospital Based Clinical Subjects sub-panel in RAE2008.
Professor Sir John Tooke	Vice-Provost (Health), Head of UCL School of Life & Medical Sciences and UCL Medical School. Member of the National Institute for Health Research Advisory Committee, Chair of the UK Healthcare Education Advisory Committee and former Chair of the Medical Schools Council. Previously inaugural Dean of the Peninsula College of Medicine and Dentistry.

Professor Tom Walley CBE	Director of Evaluation, Trials and Studies and Director of the HTA Programme at the National Institute for Health Research (NIHR) and Professor of Clinical Pharmacology at the University of Liverpool. Was a member of the Health Services Research sub-panel in RAE2008.
Professor Peter Weissberg	Medical Director at the British Heart Foundation, formerly the BHF Professor of Cardiovascular Medicine at the University of Cambridge and was Director of Cardiology at Addenbrooke's Hospital for 13 years.
Professor J.G. Williams	Professor of Health Services Research at the School of Medicine, Swansea University, and Consultant Gastroenterologist at Abertawe Bro Morgannwg University Health Board. Chair of a Board Subgroup for the UKCRC. Was previously Director of R&D for Wales and a member of the Health Services Research sub-panel in RAE2008.

Physics

Peter Saraga (Chair)	Formerly Director of Philips Research Laboratories UK responsible for major research programmes in displays, wireless communications, and interactive digital television and a member of the international management team of Philips Research. Immediate past President of the Institute of Physics, and has been a Vice President and Honorary International Secretary of the Royal Academy of Engineering. Was a member of the HEFCE Board, chaired the Business and Community Strategic Committee, and currently chairs the Advisory Group on Strategic and Vulnerable Subjects. Has been a visiting professor at Imperial College London, and is currently Vice Chair of Sussex University Council. Also chairs the Industrial Advisory Committee of the Cockcroft Institute, and the advisory board of the European Programme on Ambient Assisted Living.
Professor Jim Al-Khalili	Professor of Physics and Public Engagement, University of Surrey, and EPSRC Senior Media Fellow. Awarded the Royal Society Michael Faraday Prize for Science Communication. Executive Vice-President of the British Science Association.
Professor Norman Apsley	Chief Executive of Northern Ireland Science Park. Vice President, Business and Innovation, at the Institute of Physics. Previously a Director of the Electronics Division within the Defence Evaluation and Research Agency (DERA).
Professor Martin Barstow	Professor of Astrophysics and Space Science and Pro Vice-Chancellor and Head of the College of Science and Engineering, University of Leicester. Also Astronomy Secretary of the Royal Astronomical Society.
Mr Chas Bishop	Chief Executive, National Space Centre. Chairman of the East Midlands Tourism Council and a non-executive Director of Leicestershire Promotions Ltd.
Professor Michael Cates	Royal Society Research Professor in Physics, University of Edinburgh. Received the Gold Medal of the British Society of Rheology and the Institute of Physics' Dirac Medal. Was on the Physics sub-panel in RAE2008.
Dr David Clarke	Chief Executive of Energy Technologies Institute. Previously Head of Technology Strategy at Rolls-Royce plc.
Professor Dame Athene Donald	Professor of Experimental Physics, University of Cambridge. Awarded the L'Oreal UNESCO for Women in Science award for Europe and the Faraday Medal of the Institute of Physics. Was on the Physics sub-panel and was a special adviser to the Allied Health Professions and Studies sub-panel in RAE2008.

Professor Laurence Eaves	Professor of Physics, University of Nottingham. Was a member of the Physics sub-panel in RAE 2008.
Professor Yvonne Elsworth	Professor of Astrophysics, University of Birmingham. Was on the Physics sub-panel in RAE2008.
Professor Brian Foster	Professor of Experimental Physics, University of Oxford. Was a member of the Physics sub-panel in RAE 2008.
Dr Mike Howse	Retired Director of Engineering and Technology at Rolls-Royce.
Professor Sir Peter Knight	Professor of Quantum Optics, Imperial College London, and Principal of the Kavli Royal Society International Centre at Chicheley Hall. Director of the OSA Foundation. Previously Chief Scientific Advisor at the UK National Physical Laboratory.
Professor Chris Sachrajda FRS	Professor of Physics, University of Southampton.
Dr Frances Saunders	Chief Executive for the Defence Science Technology Laboratory. Previously at the Office of Science and Technology at the Department of Trade and Industry.
Professor Stephen Smye	Director of Research and Development at the Leeds Teaching Hospitals. Director of the National Institute for Health Research (NIHR) Comprehensive Clinical Research Network and Honorary Professor of Medical Physics and Health Research, University of Leeds.
Dr Graham Spittle	Vice-President and Chief Technology Officer, Software Group Europe, IBM. Previously Vice-President, Software (UK and Ireland) and Vice-President, Integration Development and Director of the IBM Hursley Laboratory. Chair of the UK Technology Strategy Board and Director of The Foundation for Science and Technology.
Professor Sir Martin Sweeting FRS	Director of the Surrey Space Centre, University of Surrey, and Executive Chairman of Surrey Satellite Technology Limited. Was co-Chairman of the 2008 Glasgow International Astronautical Congress.
Professor Sir William Wakeham	Visiting Professor of Physics, Imperial College London. Previously Vice-Chancellor of the University of Southampton. Fellow of the Royal Academy of Engineering, and of the Institution of Chemical Engineers, the Institution of Electrical Engineers and the Institute of Physics.
Professor Michael Walker	Retired Director of R&D at Vodafone Group. Vice-Chairman and member of the Executive Committee of the Mobile VCE.
Professor Colin Whitehouse	Deputy Chief Executive, Science and Technology Facilities Council (STFC). Head of the STFC Daresbury Laboratory and responsible for the strategic development of the two STFC-based national Science and Innovation Campuses at Daresbury and Harwell.

Earth Systems and Environmental Science

Professor Robert Watson (Chair)	Chief Scientific Adviser to the Department for Environment, Food and Rural Affairs. Professor of Environmental Sciences at the University of East Anglia and the Director for Strategic Direction for the Tyndall centre. Previously a research scientist at the Jet Propulsion Laboratory, California Institute of Technology; a US Federal Government programs manager/director at the National Aeronautics and Space Administration (NASA); a scientific/policy advisor in the US Office of Science and Technology Policy (OSTP), White House; and chief scientist at the World Bank. Has also chaired, co-chaired or directed international scientific, technical and economic assessments of stratospheric ozone depletion, biodiversity/ecosystems (the GBA and MA), climate change (IPCC) and agricultural S&T (IAASTD).
Dr Michael Bowman	Vice President Geoscience, BP Exploration.
Professor Peter Burkill	Director of Sir Alister Hardy Foundation for Ocean Science. Professor of Ocean Science, University of Plymouth. Vice President of the Scientific Committee on Oceanic Research. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.
Dr Janet Cotter	Senior Scientist, Greenpeace International.
Professor Andrew Curtis	Professor of Mathematical Geoscience, University of Edinburgh.
Mr Rowan Douglas	Managing Director of Willis Analytics, Willis Re. Chairman of the Willis Research Network.
Mr Colin Drummond	Chief Executive of Viridor. Chair of the Government's Living with Environmental Change Business Advisory Board, Chair of UKTI's Environmental and Water Sector Advisory Group, Chair of the Environmental Knowledge Transfer Network, and a Director of Sustainability South West.
Professor Mary Fowler	Professor of Geophysics, Royal Holloway, University of London. Chair of the Committee of Heads of University Geoscience Departments. Was Deputy Chair of the Earth Systems and Environmental Sciences sub-panel in RAE2008.
Professor Maggie Gill	Director of Rural & Environment Research and Analysis at the Scottish Government and Professor of Integrated Land Use at the University of Aberdeen, currently seconded as a Senior Research Fellow to the Department for International Development. Member of Agriculture, Veterinary and Food Science Panel in RAE2008.
Mrs Jenny Griffiths	Consultant, Royal Society for Public Health. Co-ordinator of the Health and Sustainability Network.
Professor Roy Harrison OBE	Professor of Environmental Health, University of Birmingham. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.
Dr Kathryn Monk	Science Strategy Manager, Environment Agency Wales. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.
Professor Susan Owens OBE	Professor of Environment and Policy, University of Cambridge. Received the Royal Geographical Society's 'Back' Award for contributions to research and policy formulation. Was on the Town and Country Planning Panel in RAE2008.

Professor Will Pope	Chair of East of England Development Agency. Non-executive Chair of the health, safety and environmental businesses IEG Technologies UK Ltd, and CEO of Microbial Solutions. Was founder director of The Society for the Environment and the Society's first Chairman.
Professor Keith Shine	Professor of Physical Meteorology, University of Reading. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.
Dr Graeme Sweeney	Executive Vice President of Future Fuels & CO2 at Shell. Previously Executive Vice President of Shell International Renewables. Also elected Chairman of the Advisory Council of the European Technology Platform of Zero Emission Fossil Fuels Power Plants. Chairs the Advisory Board of the UK Energy Research Centre.
Dr Tom Tew	Chief Scientist at Natural England. Previously Director of Protected Areas, English Nature.
Professor Tim Wheeler	Deputy Chief Scientific Adviser and Deputy Director of Research & Evidence at the Department for International Development (DFID). Also Professor of Crop Science, University of Reading.

Social Work and Social Policy

Professor Paul Wiles (Chair)	Formerly Chief Scientific Advisor to the Home Office, the government's Chief Social Scientist and Head of the Government Social Research Service with responsibility across the governments of England, Wales, Scotland and Northern Ireland. Previously held academic positions at the universities of Sheffield, Cambridge and the LSE. Currently holds a visiting chair at the University of Oxford and is a Fellow of Wolfson College, Oxford.
Professor Pete Alcock	Professor of Social Policy and Administration and Director of the ESRC Third Sector Research Centre, University of Birmingham. Previously Chair of the Social Policy Association. Was on the Social Work and Social Policy and Administration sub-panel in RAE2008.
Mr David Behan CBE	Director General of Social Care, Local Government and Care Partnerships at the Department of Health. Was Chief Inspector of the Commission for Social Care Inspection and President of the Association of Directors of Social Services.
Lord Richard Best	Chair of the Hanover Housing Group. Also Chair of House of Lords Audit Committee and the Private Rented Sector Policy Forum. Was Director of the Joseph Rowntree Foundation and Joseph Rowntree Housing Trust, CE of the National Federation of Housing Associations, President of the Local Government Association, and Chair of the House of Lords Audit Committee.
Professor Brigid Daniel	Professor of Social Work, University of Stirling. Was a founding member of the Scottish Child Care and Protection Network and the Gender and Child Welfare Network.
Professor James Goodwin	Head of Research, AgeUK. Chair of the knowledge transfer Steering Group for 'Healthy Ageing Across the Life Course'.
Professor Hilary Graham	Professor of Health Sciences, University of York. Was on the Social Work and Social Policy and Administration sub-panel in RAE2008.
Professor John Hills	Professor of Social Policy, London School of Economics and Political Science. Also Director of the Centre for Analysis of Social Exclusion.

Mr David Holmes	Chief Executive, British Association for Adoption and Fostering. Also adviser to the Local Government Association on children's services. Was Deputy Director of Children's Services at London Borough of Haringey.
Julie Jones CBE	Chief Executive, Social Care Institute for Excellence. Was Deputy Chief Executive and Director of Children's Services at Westminster City Council, and a President of the Association of Directors of Social Services.
Professor Jane Millar OBE	Professor of Social Policy, University of Bath. Chair of the Editorial Board of the Journal of Social Policy. Was a member of the Social Work and Social Policy and Administration sub-panel in RAE2008.
Professor Tim Newburn	Professor of Criminology and Social Policy, London School of Economics and Political Science. Was a member of the Social Work and Social Policy and Administration sub-panel in RAE2008.
Professor Judith Phillips	Professor of Gerontology and Social Work, Swansea University. Past President of the British Society of Gerontology; Director of the Older People and Ageing Research and Development Network (Wales) and Welsh Assembly Government Representative on the UK Age Research Forum
Mrs Amanda Rowlatt	Chief Analyst for the Department for Work and Pensions. Also Director of Child Poverty and Analysis.
Ms Maeve Sherlock OBE	Commissioner for the Equality and Human Rights Commission. Previously Chief Executive of the Refugee Council and Chief Executive of the National Council for One Parent Families. Former President of the National Union of Students.
Ms Janice Shiner	Chair of the National Youth Agency. Adviser to the Aldridge Foundation. Was Chief Executive of the Tertiary Education Commission in New Zealand,
Professor Peter Taylor-Gooby	Professor of Social Policy, University of Kent. Director of the ESRC Social Contexts and Responses to Risk Programme. Was Chair of the Social Work and Social Policy sub-panel in RAE2008.
Professor Sue White	Professor of Social Work (Children and Families), University of Birmingham. Editor of Child and Family Social Work Journal.
Mrs Diana Wilkinson	Chief Researcher at the Scottish Government. Was on the Education sub-panel in RAE2008.
Ms Sharon Witherspoon MBE	Deputy Director, Nuffield Foundation. Was senior researcher at the Policy Studies Institute and the National Centre for Social Research. Was a member of Main panel J in RAE2008.

English Language and Literature

Judy Simons (Chair)	Professor Emeritus at De Montfort University. Formerly Pro Vice-Chancellor at De Montfort University, Chair of the Council of College and University English and the University Council of Deans of Arts & Humanities. Was inaugural chair of the Higher Education Academy Council and founding Chair of the English Subject Centre, and was on the HEFCE strategic committee for Leadership, Governance and Management. Since 2008 has been Deputy Chair of Standards for England and has advised the DCMS on arts education policy.
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Mr Paul Allen	Arts writer and playwright, former presenter Kaleidoscope (Radio 4) and Night Waves (Radio 3). Former chair, Arts Council Drama Panel and Sheffield Theatres; current chair Music in the Round, deputy chair Scarborough Theatre Trust. First Fellow in Creativity and Performance, CAPITAL Centre, University of Warwick.
Professor Linda Anderson	Professor of Modern English and American Literature, Newcastle University. Director of the Newcastle Centre for the Literary Arts. Chair of the Council for College and University English. Was a member of the English Language and Literature sub-panel in RAE2008.
Ms Abigail Appleton	Head of Speech Programmes and Presentation at BBC Radio 3.
Mr Adrian Barlow	Director of Public and Professional Programmes and Lecturer in English, University of Cambridge. Formerly Chair of Examiners at the University of Cambridge Local Examinations Syndicate.
Professor Jonathan Bate	Professor of Shakespeare and Renaissance Literature, University of Warwick. Governor of the Royal Shakespeare Company and on the Council of the Arts and Humanities Research Council (AHRC). Writer, presenter, critic and reviewer for BBC Radio and various newspapers. Was a member of the English Language and Literature sub-panel in RAE2008.
Professor Ronald Carter	Professor of Modern English Language, University of Nottingham. Advisor to Routledge Publishers in English language studies, applied linguistics and English language teaching and learning. Was a member of the English Language and Literature sub-panel in RAE2008.
Mr Ian Jack	Writer and journalist. Former editor of the Independent on Sunday and Granta magazine.
Professor Stephen Knight	Professor of English Literature, Cardiff University. Was a member of the English Language and Literature sub-panel in RAE2008.
Dr Joanna Newman	Head of Higher Education at the British Library.
Dr Alastair Niven OBE	Principal of the educational charity Cumberland Lodge. Was Director of Literature at the British Council and Director of Literature at the Arts Council of Great Britain. Was a judge of the Booker Prize for Fiction in 1994.
Professor Rick Rylance	Chief Executive and Deputy Chair of the AHRC. Former Head of the School of Arts, Languages and Literatures at the University of Exeter. Founder member of the English Subject Centre's Advisory Board and Chair of the Council of College and University English. Was Chair of the English sub-panel of the RAE 2008 and a member of Main Panel M (Languages and Literature).
Mr Patrick Spottiswoode	Director, Globe Education at Shakespeare's Globe.
Professor Greg Walker	Regius Professor of Rhetoric and English Literature, University of Edinburgh. Formerly Chair of the Council for College and University English. Was a member of the English Language and Literature sub-panel in RAE2008.
Mr Simon Winder	Publisher and author. Publishing Director at Penguin Press. Author of The Man who Saved Britain and Germania, both published by Picador.
Mr David Yelland	Partner at Brunswick Group, an international corporate communications partnership. Was Deputy Editor of the New York Post, Editor of The Sun and Senior Vice President of News Corp in New York. Named Campaign magazine's Media Achiever of the Year in 2002.

Annex C

Summary of guidance on submissions

1. This annex provides a brief summary of the guidance provided by the REF team to the pilot HEIs on making their submissions; the full guidance document is available on the REF website www.ref.ac.uk under 'impact pilot exercise'.

Scope

2. For the purposes of the pilot submissions, the REF team defined impact as any identifiable benefit to or positive influence on the economy, society, public policy or services, culture, the environment, or quality of life. This excluded impacts within the academic sphere or the advancement of scientific knowledge (these are covered by the 'outputs' and 'environment' elements of the REF).

3. The guidance recognised there are often 'interim' outcomes at several stages along the journey from research to the eventual impacts and that, in some areas, the time-lags are such that only these 'interim' impacts can be captured within the timeframe for the pilot; or the nature of the impact is such that only the 'interim' impacts can be clearly evidenced or attributed to the underpinning research. Thus 'interim' impacts were included within the scope of the pilot.

4. Each pilot submission comprised of:

- A number of case studies
- An impact statement and contextual information.

Case studies

5. Pilot HEIs were asked to submit one case study for every ten staff in the department or unit (rounded up to the nearest ten). In departments of ten or fewer, a minimum of two case studies was requested in order to mitigate the risk of the impact assessment relying too heavily on a single case study.

6. HEIs were encouraged to submit a range of case studies from across the breadth of the submitted unit's research activity and to include a wide variety of types of impact, including direct and indirect examples, and including impacts arising from engaging the public with research.

7. In addition to these case studies, HEIs were allowed to submit a small number of 'supplementary' case studies that they considered would highlight particular issues where the guidelines were felt to be overly ambiguous or restrictive. These supplementary examples would be provided to panels to consider and comment on the issues raised, but would not affect the sub-profiles awarded to the submission.

8. HEIs completed a case study template, designed to capture the following information:

- The nature and extent of a specific impact or benefit occurring during 2005-09, including a clear explanation of both the impact's 'reach' and its 'significance' during this period.
- An outline of the research undertaken by the submitted unit that contributed to the impact, and an explanation of how it made a contribution.
- Details of the underpinning research, and justification that this was of high quality.

9. Within the case studies, HEIs were encouraged to include appropriate indicators to help describe and provide supporting evidence of the impact. These indicators could relate to the

impact's reach or significance (outcome indicators), or evidence of how the research contributed to the impact (process indicators).

10. A draft 'common menu' of indicators was included in the guidance to provide some initial ideas but was not intended to be comprehensive. In particular, the menu included relatively few indicators relevant to arts and humanities research; this is partly because cultural and other impacts typically generated by arts and humanities research may be less amenable to indicators, and partly because such indicators are yet to be developed.

11. Pilot HEIs were asked to include references to external sources that could be used to verify the claims made in the case study – these could be contact details of appropriate 'users' or beneficiaries, or references to available documents, websites and so on.

12. HEIs were asked to ensure each case study fulfilled the following threshold criteria:

a. Time of impact: The impact occurred during the pilot assessment period (Jan 2005 – Dec 2009).

b. Contribution by the HEI: Specific research-based activity undertaken within the institution made a significant contribution to achieving the impact.

c. Quality of underpinning research: The underpinning research, which produced at least some output(s) since 1993, met a sufficient standard of rigour and originality.

d. Evidence: There is sufficient evidence to support the above judgements (about the extent of the impact and the threshold criteria).

Other information

13. HEIs were invited to complete an impact statement giving an overview of the submitted unit's interactions with research users and impacts achieved during the 2005-09 period. This was intended to provide panels with evidence of the breadth of the unit's contributions to society or the economy. The word limit for the impact statement varied according to the number of FTE staff in the submission.

14. For the purposes of the pilot, HEIs were also asked to provide the panels with contextual information about the submitted unit's main areas of research activity. They were asked to extract this information from RA5 documents submitted to the 2008 RAE.

15. In addition, HEFCE provided panels with data on research income from research 'users', drawn from submissions to the 2008 RAE.

16. HEIs made submissions by uploading these documents to the HEFCE extranet by 15 March 2010.

Annex D

List of case studies submitted

This annex provides a list of the case studies submitted to each pilot panel. The titles of the case studies have been anonymised and are shown in alphabetical order.

Clinical Medicine

A biotechnology spin-out company providing drug discovery and development services to industry and academia

A change of treatment of postmenopausal patients with breast cancer

A change to NICE guidelines for the treatment of patients with mild Hepatitis C

A change to NICE guidelines: The use of sildenafil as a treatment for pulmonary arterial hypertension in adults

A new scanning technique for early identification of thalassaemia patients at risk of developing cardiac complications

A unique approach to promoting public engagement with biomedical science

Advances in diagnosis and treatment for cardiovascular disease

Advances in the management of gestational Trophoblastic Disease (GTD)

Anti-TNF: A revolution in the treatment of rheumatoid arthritis

Anti-tumour drugs acting on cancer growth dependent pathways

Approaches to cardiovascular disease prevention

Automated electrocardiogram (ECG) analysis algorithm is adopted commercially and applied world-wide

Biomedical informatics supporting diabetes care and research in Scotland

Blockade of angiogenesis as cancer therapy

Case selection, appropriate treatment and the evolution of an acute stroke treatment strategy for the UK

Change of guidelines resulting from the Hypertension in the Very Elderly Trial (HYVET)

Change to guidelines for the use of Endo Vascular Aneurysm Repair (EVAR) in the treatment of abdominal aortic aneurysm

Changes to the understanding and treatment of viral hepatitis in immigrants from South Asia living in England

Characterisation of genes leads to improved diagnosis, prevention and treatment of inherited diseases

Clinical trial demonstrates cholesterol lowering in patients with raised cholesterol levels and without previous heart attack is safe reduces the risk of heart attack or death from coronary disease

Clinical trial outcomes inform changes to NICE guidelines for the management of hypertension

Clinical trials improve survival in acute myeloid leukaemia (AML)

Clinical trials lead to the widespread adoption of glucocorticoid treatment as a novel first line treatment of rheumatoid arthritis

Clinical validation and development of targeted anti-TNF-alpha therapy improves treatment of blinding intraocular diseases

Creation and commercialisation of a global, cost-effective cure for Hepatitis C infection

Creation of a spin out company for the production of metabonomics solutions

Creation of spin-out company to run community based vascular prevention programme for cardiovascular disease leads to commercial benefits and improved healthcare

Demonstrating the efficacy and safety of anti-asthma therapy

Demonstration of the benefits of smoke-free legislation for acute coronary syndrome increases public awareness and informs national and international policy

Demonstration that Filaggrin is the major predisposing gene for atopic disease

Design, manufacture and successful clinical testing of a novel synthetic bone substitute

Developing a national colorectal cancer screening programme

Developing and improving diagnosis of an important inherited condition: Rett syndrome

Developing anti-retroviral therapy for HIV infection in Africa

Development and implementation of guidelines on the prevention of cardiovascular disease

Development and initiation of UK-wide programme to change the nutritional management of obesity

Development of a new technology for identifying and controlling the expression of human disease genes underpins commercial spin-out

Development of a spin-out company for the development of allergy therapeutics

Development of active constraint robots improve outcomes in arthritis surgery

Development of animal models and therapy for Duchenne Muscular Dystrophy

Development of cardiothoracic surgery guidelines improves patient care

Development of chemiluminescence technology transforms immunodiagnostics

Development of guidelines in occupational and environmental medicine

Development of medical device for radiofrequency assisted liver resection leads to commercial benefits and improved health care

Development of new management guidelines for the treatment of testicular cancer

Development of new standard therapies for colorectal cancer

Development of new therapies and establishment of a drug discovery company for the treatment of corticosteroid-resistant inflammation

Development of new UK-WHO growth charts improves child health surveillance

Development of scanning ion conductance microscopes leads to commercial benefits

Development of target controlled infusion (TCI) devices for anaesthesia lead to improved patient care and are adopted commercially

Development of the Bronchiolitis Acute Care in Hospital (BACH) protocol for the improved care of infants

Developments in cutaneous phototherapy and photodiagnosis leading to clinical and commercial benefits

Elucidating autism by defining its genetic basis

First cardiac homecare initiative 'Fit for Surgery' is taken-up by Trusts across the UK

Harnessing novel concepts in immune regulation that led to the development of new therapies for immune-mediated diseases and commercial benefits

Human immunology research informs policy, training and public understanding

Identification of antimicrobial resistance gene, blaNDM-1 leads to dissemination of UK health alert

Identification of gene enables therapeutic targets for obesity

Identification of genotoxic risks to patients with orthopaedic joint replacements informs clinical practice

Identification of prognostic factors for risk stratification and for targeted therapy in haematological malignancies

Identification of the cellular origins of leukaemia enables potential therapeutic target

Identification of underlying causes of melarsoprol resistance in human African trypanosomiasis influences changes in Ugandan Health Authority policy

Identifying novel mechanisms and strategies for the treatment of obesity

Identifying the major genes which cause hearing loss, cardiomyopathy and ichthyosis

Immunology guides rational design of Hepatitis C vaccines

Impact on NICE Guideline Development Group in Rehabilitation after Critical Illness

Impact on the House of Lords Science and Technology Committee inquiry into Genomic Medicine

Improved transportation of critically ill children and a new management protocol reduces the mortality from meningococcal disease

Improved treatment of children with Crohn's Disease

Improvements to clinical practice across Africa and the foundations for a pan-African laboratory network from the development of vaginal microbicides for the prevention of HIV transmission

Improvements to management and diagnosis of systemic vasculitis

Improving the delivery of obesity and diabetes care

Improving the management of airway diseases through evidence-based guidelines

Individualised diagnosis and therapy in patients with maturity onset diabetes of the young

Initiating and validating the routine clinical use of surgical robots for minimal access surgery in the UK

Innovative colorectal surgical procedures improves patients' quality of life

Intellectual property for potential Meningitis B vaccine sold to Novartis Vaccines and Diagnostics

Intermittent androgen blockade as an option in prostate cancer patients receiving endocrine manipulation

Large-scale African cohort studies to identify protective antigens in HIV/AIDS

Large-scale genomic mapping of malaria and its vectors to identify therapeutic targets

Lead role in Anglo-Scandinavian Cardiac Outcome Trial (ASCOT), which changed the guidelines for cardiovascular risk management and led to improved patient care

Lead role in Candesartan in Heart Failure trial (CHARM) that changed national and international guideline for treatment of heart failure

Life changing therapeutic intervention in patients with neonatal diabetes

Manipulating metabolic adaptations as therapy for heart failure

New drug therapy improves quality of life for sufferers of neonatal disease

New therapeutic approach improves the treatment of blood pressure after stroke

New tissue engineering techniques inform the successful implantation of the first tissue-engineered trachea using the patient's own stem cells

Novel pain therapy evaluation by direct brain imaging

Obesity therapy research underpins the development and subsequent sale of a spin-out company

Oxygen-sensing pathways as therapy for cancer and ischaemia

Precise detection and manipulation of stem cells as a prelude to therapy

Preventing adverse reproductive outcomes

Prevention of cardiovascular disease by reducing salt intake

Provision of medical evidence to enable passage of a bill in Scottish Parliament to regulate the use of sun beds

Reduction of stroke risk by early intervention

Re-evaluating therapies for respiratory illness in children

Research demonstrates the clinical utility of anti-Müllerian hormone in individualising treatment strategies for assisted conception

Research demonstrates the safety and effectiveness of statins for lowering cholesterol in patients with rheumatoid arthritis

Research demonstrates the use of waist measurement as an indicator of impaired quality of life and of chronic diseases for improved health promotion

Research demonstrating that clinical benefits of corticosteroids are impaired in asthma patients who smoke leads to improvements in patient care

Research developed structure derived non nucleoside inhibitors and demonstrated they were active against drug resistant HIV

Research develops health-related quality of life tool that becomes the standard, condition-specific tool in clinical care and research internationally

Research from the Child Protection Systematic Review Group enhances management guidelines for child abuse

Research highlighting the significance and advanced therapy of Human T-cell Leukaemia virus (HTLV-I) infections

Research informs best-selling pregnancy book leading to improved public engagement with science

Research into acquired haemophilia leads to improved treatment guidelines

Research into sentinel node biopsy in breast cancer treatment leads to worldwide improvement in surgical practice

Research leads to improvements in diagnostic and prognostic practice in Grave's disease

Research on body sensor networks underpins the establishment of a spin-out company and development of the ear-worn Activity Recognition (e-AR) sensor for close monitoring of rehabilitation of patients

Research on diagnosis and treatment of Familial Hypercholesterolaemia (FH) leads to service innovation to prevent premature coronary heart disease

Research on immune pathways improve treatment of chronic inflammatory disease

Research on the precise mechanisms of gene regulation facilitates diagnosis and treatment

Research that developed and demonstrated the safety and advantages of beating heart coronary surgery without cardiopulmonary bypass

Research underpins world-wide exploitation and impact of novel fluorescent molecular probes and cell detection technologies for drug discovery, clinical diagnostics and the life sciences

Researchers demonstrate that hypothermic neural rescue increases neonatal survival in those who suffer birth asphyxia by 50 per cent

Simple interventions to radically reduce malaria mortality

Stroke Unit Trialists' Collaboration influences clinical practice guidelines and promotes improvements in stroke services

Structure guided design of cancer vaccines to improve cancer therapy

Surveillance research on anti-malarial drug resistance in Africa influences government policy and improves patient care

Targeting inflammation as a new therapy to treat cancer

The development of the World Health Organisation surgical safety checklist and its implementation across the NHS in England and Wales

The genetic basis of inherited cardiomyopathy: Direct application of genetic testing and novel approaches to disease modifying therapy

The implementation of photodynamic therapy for the treatment of skin cancer

The Translational Medicine Research Collaboration: A nationwide industrial collaboration for experimental medicine

Treatment to reduce prevalence, burden of infection and clinical symptoms due to schistosomiasis and intestinal helminths in rural Africa

Trials unit outcomes contribute to mortality reduction from cardiovascular disease

Understanding of the impact of physical activity on obesity in children, informing improved healthcare and changes to public behaviour

Using routinely collected prescribing data to deliver improvements in public health and drug safety

Physics

An astronomy and astrophysics visitor centre: Combining engagement, research and regeneration

Application by a spin-out company of radio astronomy to navigation and positioning systems

Application of semiconductor crystal research to development of new airport security systems

Astronomy outreach programme

CASTEP and ONETEP: providing simulation codes for scientific applications

Chiral photonics research on optical fibre technology, with applications for aviation/aerospace, communications and energy industries

Collaboration with Hitachi Laboratory: using fundamental physics research to enable new products

Commercialisation of scientific software program for design of new materials

Computer controlled polishing of complex surfaces: Impact on development of advanced optical instruments for large telescopes

Contribution of lattice gauge theory research on the development of high performance computing

Contributions to the development and exploitation of the Herschel and Planck Satellites for astrophysics research and public engagement

Dasher text entry system: transforming computing for people with disabilities

Development of a new anti-counterfeiting technique based on nanomagnetism research

Development of high power fibre laser sources: impact on development of high power fibre lasers with medical applications

Development of instrumentation for fluorescence lifetime imaging with applications in biomedical research and drug discovery

Enabling dominance of the scientific charge couple device market: design and development for space missions

Endomagnetics: a new detection system for cancer, based on bio- and nanomagnetism research

From antihydrogen to the commercialisation of Penning-Malmberg traps

From quantum imaging to the Centre for Nanohealth

Geometrics: impact of geometric algebra research on graphics software for the computer games industry

Impact of astrophysics research on the public profile of science

Impact of condensed-matter theory on funding policy, product development and the economy

Impact of CP violation measurements (matter/anti-matter asymmetry) as recognised by Nobel Committee

Impact of discovery of Kerr lens mode-locking on development of ultra-fast laser technology

Impact of energetic materials research on defence technology

Impact of low temperature physics on the development of energy efficient magnetic refrigerators

Impact of magnetic materials research on improving microcalorimeter design

Impact of microthermal and mid-infrared research on commercial R&D of sensors and scanning probe instruments

Impact of nano silicon based epitaxy research on the electronics and ICT industries

Impact of non-linear dynamical modelling on space aerospace, oil and healthcare

Impact of plasma physics on fusion energy research

Impact of research into ultrasonic transduction on industrial non-destructive testing

Impact of the Liverpool Telescope project on a local engineering company

Impact on the consumer electronics industry : The Floating Low-energy Ion Gun

Improved thermal stability, capacity and read-out speed in magnetic storage media

Industrial contracts for supply of space engineering hardware and services

Industry-academia collaboration on development and construction of advanced instrumentation for the James Webb Space Telescope

Instrumentation for high field electron paramagnetic resonance and mm-wave radar

Lucky imaging: applying imaging research to crime prevention and surveillance

Materials for fusion power: impact of research on the UK fusion programme

Materials modelling for electric vehicles

Media engagement: improving public understanding and enhancing the reputation of UK physics research, nationally and internationally

Metrology: semiconductor devices for a current standard

Modelling the properties of gate oxides and Si/oxide interfaces for microelectronics applications

New growth methods to control the optical properties of quantum dots to produce and commercialise QD lasers

Nuclear advice and foresight: impact on UK and overseas nuclear programmes

Organic electronics: Impact of optoelectronics research on the field of polymer semiconductor device technology

Organic semiconductor optoelectronics: commercialisation of products for the electronics industry and public sector

Organic solid state lighting: Building a supply chain in the UK

Outreach. 25 years of the 'Physics at Work' Exhibition for schools

PathGrid: applying astronomical image analysis techniques to improve handling of clinical datasets

Plastic electronics: materials design and processing, device fabrication, characterisation and modelling of materials and devices

Positioning UK industry for Space Agency undertakings

Providing expert systems for running advanced numerical software

Public engagement activities with 3D movie on Cosmic Origins

Public engagement from the Wide Angle Search for Planets (WASP): the search for extrasolar planets

Public engagement in astrophysics and cosmology: 'The Big Questions' public debates

Public engagement: Extra-solar planets and public perception of life in the universe

Public engagement: outreach activities for schools and adults based on research

Science outreach from theoretical physics research

Solar influence on climate: impact on design of national climate model and international climate change assessments

Supercontinuum generation research: impact on improving confocal microscopy, with applications in biomedical imaging

Sustainable energy from solar cells

Systems engineering and project management training

Terahertz technology: Applications in biotechnology, healthcare, security and process monitoring

Teraview and terahertz imaging: developing imaging systems for healthcare and the pharmaceutical industry

The impact of plasma science on the UK Government's fusion programme

Using grid computing technology in real world industrial applications

Earth Systems and Environmental Sciences

An operational forecasting system for Mount Pleasant Airport, Falkland Islands

Applied volcanological research as a tool for hazard assessment and risk reduction

Archaeological assessment during undersea oil industry route and site surveys

Catchment management for improved ecosystem services

Climate change and the carbon cycle: Informing the policy process

Communicating earth science

Compilation of global and hemispheric land area temperature record, and future climate scenario analysis

Conservation of bumblebees

Contributions to international and national climate change policy

Developing sustainable solutions to the impacts of climate change

Development and application of commercial inorganic mass spectrometer technology

Development of industry-standard software for river management

Discovering endocrine disruption in aquatic wildlife

Establishing methods to detect irradiated foods

Future of the ozone layer

Geological fault research delivering key skills into the petroleum industry and bringing research back from industry to academia

Geomicrobiology and risk assessment of groundwater arsenic in south and south-east Asia

Geopressure research delivered spin-out company for oil industry and forensic analysis of drilling induced mud-volcano in densely populated Java

Impact of faults on fluid flow in hydrocarbon reservoirs

Improved geophysical hazards diagnostics: Earthquakes, landslides and volcanoes

Improvements to understanding and mitigation of earthquake hazard in Iran through training scientists in the Geological Survey of Iran

Industrial collaboration on conceptual uncertainty in the interpretation of geological data

Industry-funded consortium for turbidites research: Knowledge into use via provision of applied research, expert review of the field and focused consultancy

Integrating knowledge to inform mercury policy

Isotopic and element tracing yields multiple industrial and medical applications: Fingerprints conflict diamonds, aids mineral extraction, and understanding pharmacology of anti-cancer drugs

Limiting greenhouse gas emissions from peatlands through improved environmental management

Long-term ecological change in terrestrial habitats

Measurement and modelling of the behaviour of fluids within natural and man-made porous materials

Mitigating the problem of indoor dust in relation to historical and cultural assets

National policy design for bushmeat harvesting and use in Gabon

Patterns and changes in the concentration and type of wet deposition of pollutants over the UK

Quantifying erosion and sediment flux for the offshore diamond and hydrocarbon exploration industries

Reducing risk and uncertainty in hydrocarbon exploration and production

Research informing sustainable dryland management, policy and practice

Spinout for extensive environmental monitoring

Supporting sustainable biodiversity and conservation management strategies

Sustainable uplands: Learning to manage future change

The application of economic analysis and policy instruments to mitigate the negative consequences of global environmental change

The development of a novel and robust proxy for Arctic sea ice

The impact of research into the Permian-Triassic boundary mass extinction event and its lessons for the present environmental change

Understanding, predicting and managing coastal zones using video technology

Uptake of high resolution monitoring of nutrient transfers in river catchments

Use of enhanced seismological techniques to improve the UK's monitoring of underground nuclear explosions

Social Work and Social Policy

Centre for International Research on Care, Labour and Equalities influences public policy and engages public debate

Centre for Racism & Ethnicity Studies: Building the anti-racist higher education institution

Changing local authority guidelines on inter-agency fees in adoption procedures

Changing national policy through research on the costs of stroke and the cost-effectiveness of stroke care in England

Changing public awareness and creating legislative change in relation to bride-price practices in Uganda

Changing the law on housing adaptations for disabled people

Changing the ways in which child and youth poverty in the developing world are measured
 Child support research and policy impacts
 Contributing to Living Longer, Living Better
 Development of the Equality Measurement Framework
 Enhancing the contribution of the private rented sector in England
 Evaluating and strengthening the Multi-Agency Public Protection Panels (MAPPA)
 Implementation of the human rights approach to poverty reduction
 Improving child placement in adoption and foster care
 Improving policy and practice for children leaving care
 Improving support for parents with learning disabilities
 Influencing EU and US policy on stimulating new antibiotics research
 Influencing national specialist mental health services for deaf children
 Influencing personalisation in social and health care: the Individual Budgets evaluation
 Informing national rural housing policy through research into planning and rural housing
 Informing Scottish policy through research into free personal care
 Informing Scottish policy through research into young runaways
 Introducing comparative measures of child well-being, influencing policy discourse in UK and Europe
 Policy and practice development relating to changing family and community life and the dynamics of social capital
 Policy contributions towards poverty reduction and development in East Timor and China
 Protecting children from serious harm
 Research at Centre for Disability Studies influences Government decisions on independent living
 Research contributes to debate about fairness of secondary school admissions system
 Research contributes to public debate and policy development about future funding arrangements for social care
 Research on ageing and social exclusion leads to changes in policy and practice
 Research on exclusion and integration amongst immigrants contributed to changes in government migration policies and service provision
 Research on purpose-built retirement communities leads to change in policy and practice
 Research on racism and domestic abuse leads to policy debates
 Research on young people influences national and international policy and strategy on youth justice
 Social capital and community cohesion assessment frameworks for policy and practice development
 The review of public administration in Northern Ireland
 Theory, policy and methods cluster: Applications of methodology for evidence-based policy
 Understanding the impact of Connexions on young people 'at risk'

English Language and Literature

Changing public perceptions of Welsh writing in English: promoting availability, visibility, and critical reception
 Collaboration with a heritage institution to enrich public appreciation of Henry VIII, improve public engagement with research and improve performance of a local business
 Contributing to cultural enrichment through publication and dissemination of poetry
 Contributing to the public debate over religion
 Contributions to public thinking about the nature of intellectual life

Creating educational and commercial access to English language resources: The development of corpora for English language teaching and learning

Creative writing in the community: Fostering quality and increasing access to the arts

Cultural and economic impact of creative writing

Cultural enrichment through public participation in life stories

Dissenting studies: Research benefiting Protestant denominations

Editing, literary scholarship and textual studies: Changing how and what we read

Engaging the public with contemporary literature

Enhancing knowledge and appreciation of the Brontës and their age

Enhancing literary understanding and appreciation through the Festival of Ideas

Enhancing public engagement with the city past and present

Enriching public appreciation of heritage and culture and improving public engagement with research through a public exhibition

Impact of research in English literature and music of the early modern period on a series of events and online resources marking the fourth centenary of Milton's birth

Impact of research on curatorial practice and exhibitions on museums and galleries

Impact of research on young Muslims, Islamism and political 'extremism' upon contemporary debates and public policy in the UK

Impact of the fiction and journalism of a creative writing team upon British and international cultural life

Improving public appreciation of Robert Burns through the publication of a biography and other materials

Improving public appreciation of twentieth-century crime fiction

Improving public understanding of poetry through radio broadcasting and an on-line poetry archive

Improving public understanding of the relationship between Romantic period literature and contemporary science and exploration

Increasing public understanding of the Bayeux Tapestry through a conference

Increasing understanding of cultural diversity, race, ethnicity, and identity in the local community

Influencing the way in which professional singers perform early music through linguistically informed, historically accurate pronunciation

Literary adaptations: Textual exchange

Preserving and disseminating regional literary heritage

Promoting the contemporary visual arts

Research into John Cleland leading to newspaper and radio coverage and increased public awareness and understanding of 18th century authorship

Research-driven radio broadcasts on the history of London English leading to greater public engagement

Re-writing Home Office communication policy: Improving rights notices and communication processes in English and Welsh police forces

The cultural history of virginity

The English Profile Project: a collaborative research programme to provide a set of reference level descriptions for English to inform language teaching

The Free to Write Project: Supporting prison inmates to write work for publication and improving public understanding of prison experience

The impact of action research with African writers on cultural enrichment, improved educational attainment and improved social cohesion

The impact of critical discourse analysis and corpus analysis on informed policy-making and improved social cohesion

The impact of language testing research on improving educational attainment

The impact of literacy research on informing policy-making and improving public services

The impact of research into everyday practices and environments on public understanding of historical and cultural contexts

The impact of research on narrative and migration on public engagement, social inclusion and urban regeneration

The impact of research on Wordsworth on cultural enrichment, public engagement with culture and the delivery of highly skilled people

The role of a research centre and public museum in promoting public engagement, heritage preservation and appreciation of the history of cinema and popular culture

Topography, ecology and culture: Enhancing public awareness of and engagement with the natural world

Training for the early-modern digital humanities (1500-1800)

Understanding and promoting the way the older body is perceived and displayed through dance

Annex E

Impact profiles

This annex sets out the profiles awarded by panels to the pilot submissions. Each table shows the percentage of work that was graded at each star level for each submission and for the UOA as a whole. The institutions are anonymised and are shown in random order within each table.

Clinical Medicine	4*	3*	2*	1*	U
UOA average	17	25	34	12	12
Institution A	0	40	35	25	0
Institution B	25	10	30	15	20
Institution C	0	40	40	10	10
Institution D	0	55	45	0	0
Institution E	20	45	25	0	10
Institution F	25	25	25	0	25
Institution G	25	30	45	0	0
Institution H	20	25	25	10	20
Institution I	0	0	75	25	0

Physics	4*	3*	2*	1*	U
UOA average	20	27	26	21	6
Institution A	30	20	15	30	5
Institution B	30	35	35	0	0
Institution C	30	30	25	10	5
Institution D	40	45	10	5	0
Institution E	0	5	95	0	0
Institution F	0	0	0	100	0
Institution G	0	0	100	0	0
Institution H	15	40	15	15	15
Institution I	5	25	15	45	10
Institution J	20	75	5	0	0
Institution K	0	0	5	65	30

Earth Systems & Environmental Science					
	4*	3*	2*	1*	U
UOA average	18	28	24	15	15
Institution A	0	50	0	0	50
Institution B	50	0	0	0	50
Institution C	25	0	25	50	0
Institution D	35	25	25	15	0
Institution E	25	25	50	0	0
Institution F	25	25	25	25	0
Institution G	0	0	25	25	50
Institution H	0	50	25	0	25
Institution I	0	35	30	0	35
Institution J	0	100	0	0	0

Social Work and Social Policy					
	4*	3*	2*	1*	U
UOA average	19	14	38	29	0
Institution A	0	0	10	90	0
Institution B	25	0	25	50	0
Institution C	70	0	30	0	0
Institution D	0	0	60	40	0
Institution E	20	15	35	30	0
Institution F	10	75	0	15	0
Institution G	0	35	0	65	0
Institution H	0	0	85	15	0
Institution I	35	15	50	0	0
Institution J	0	35	65	0	0
Institution K	50	10	40	0	0

English Language & Literature					
	4*	3*	2*	1*	U
UOA profile	19	30	30	19	2
Institution A	25	0	50	25	0
Institution B	0	0	20	80	0
Institution C	20	40	40	0	0
Institution D	0	0	100	0	0
Institution E	10	20	50	20	0
Institution F	0	20	80	0	0
Institution G	40	60	0	0	0
Institution H	25	50	25	0	0
Institution I	35	50	15	0	0
Institution J	40	0	60	0	0
Institution K	0	60	0	40	0
Institution L	20	30	20	15	15
Institution M	0	0	0	100	0