Annex A
Participating institutions and units of assessment

<table>
<thead>
<tr>
<th>CLINICAL MEDICINE</th>
<th>PHYSICS</th>
<th>EARTH SYSTEMS AND ENVIRONMENTAL SCIENCE</th>
<th>SOCIAL WORK AND SOCIAL POLICY</th>
<th>ENGLISH LANGUAGE AND LITERATURE</th>
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</thead>
<tbody>
<tr>
<td>University of Bristol</td>
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<td>University of Bristol</td>
<td>University of Bristol</td>
<td>Brunel University</td>
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<tr>
<td>University of Cambridge</td>
<td>University of Cambridge</td>
<td>Brunel University</td>
<td>De Montfort University</td>
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<tr>
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<td>University of Durham</td>
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<td>University of East Anglia</td>
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<tr>
<td>Imperial College</td>
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</tr>
<tr>
<td>Keele University</td>
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<tr>
<td>Lancaster University</td>
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<td>University of Leeds</td>
<td>Kingston University</td>
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<tr>
<td>Liverpool John Moores University</td>
<td>Liverpool John Moores University</td>
<td>University of Leeds</td>
<td>London School of Economics and Political Science</td>
<td>University of Exeter</td>
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<tr>
<td>University of Oxford</td>
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<td>University of Manchester</td>
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<tr>
<td>University of Plymouth*</td>
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<td>University College London</td>
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* University of Exeter and University of Plymouth are marked with an asterisk.
<table>
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<tbody>
<tr>
<td>University of Dundee</td>
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<td>Cardiff University</td>
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<td>Swansea University</td>
<td>University of Stirling</td>
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<td>University of Ulster</td>
<td>Swansea University</td>
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* A joint submission was made by these two institutions.
# Annex B
## Membership of the impact pilot expert panels
### Clinical Medicine

<table>
<thead>
<tr>
<th>Name</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td><strong>Professor Sir Alex Markham (Chair)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Sir Sabaratnam Arulkumaran</strong></td>
<td>Head of Obstetrics and Gynaecology at St George’s, University of London, and President Elect of the International Federation of Obstetrics &amp; Gynaecology. Formerly president of the Royal College of Obstetricians and Gynaecologists.</td>
</tr>
<tr>
<td><strong>Dr Richard Barker</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Lord Ara Darzi KBE</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Chris Day</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Sir Liam Donaldson</strong></td>
<td>Chair of the National Patient Safety Agency and chancellor of the University of Newcastle. Formerly Chief Medical Officer for England.</td>
</tr>
<tr>
<td><strong>Professor Stephen Holgate</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Dr Stephen Inglis</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Patrick Johnston</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Robert Lechler</strong></td>
<td>Vice-Principal (Health) and Executive Director of King’s Health Partners Academic Health Sciences Centre. Chairs the Clinical Trials Expert Advisory Group.</td>
</tr>
<tr>
<td>Name</td>
<td>Position and Additional Information</td>
</tr>
<tr>
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</tr>
<tr>
<td>Professor Peter Littlejohns</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Paul Matthews</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Paul Moss</td>
<td>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 &amp; Immunity Board at the MRC and Chair of the CRUK Clinical and Translational Research Committee.</td>
</tr>
<tr>
<td>Sir Nick Partridge OBE</td>
<td>Chair of INVOLVE and chief executive of the Terrence Higgins Trust. Vice Chair of the Department of Health Expert Advisory Group on AIDS.</td>
</tr>
<tr>
<td>Dr Richard Peck</td>
<td>Global Head of Clinical Pharmacology at Roche Products Ltd. Formerly Director of European Clinical Pharmacology at Eli Lilly &amp; Co and past Chair of the ABPI Experimental Medicine Group.</td>
</tr>
<tr>
<td>Professor Rodney Philips</td>
<td>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.</td>
</tr>
<tr>
<td>Dr June Raine</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Sir Peter Rubin</td>
<td>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.</td>
</tr>
<tr>
<td>Sir John Savill</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Alan Silman</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Patrick Sissons</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Rosalind Smyth</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Sir John Tooke</td>
<td>Vice-Provost (Health), Head of UCL School of Life &amp; 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.</td>
</tr>
</tbody>
</table>
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 Cockroft 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.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor Laurence Eaves</td>
<td>Professor of Physics, University of Nottingham. Was a member of the Physics sub-panel in RAE 2008.</td>
</tr>
<tr>
<td>Professor Yvonne Elsworth</td>
<td>Professor of Astrophysics, University of Birmingham. Was on the Physics sub-panel in RAE 2008.</td>
</tr>
<tr>
<td>Professor Brian Foster</td>
<td>Professor of Experimental Physics, University of Oxford. Was a member of the Physics sub-panel in RAE 2008.</td>
</tr>
<tr>
<td>Dr Mike Howse</td>
<td>Retired Director of Engineering and Technology at Rolls-Royce.</td>
</tr>
<tr>
<td>Professor Sir Peter Knight</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Chris Sachrajda FRS</td>
<td>Professor of Physics, University of Southampton.</td>
</tr>
<tr>
<td>Dr Frances Saunders</td>
<td>Chief Executive for the Defence Science Technology Laboratory. Previously at the Office of Science and Technology at the Department of Trade and Industry.</td>
</tr>
<tr>
<td>Professor Stephen Smye</td>
<td>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.</td>
</tr>
<tr>
<td>Dr Graham Spittle</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Sir Martin Sweeting FRS</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Sir William Wakeham</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Michael Walker</td>
<td>Retired Director of R&amp;D at Vodafone Group. Vice-Chairman and member of the Executive Committee of the Mobile VCE.</td>
</tr>
<tr>
<td>Professor Colin Whitehouse</td>
<td>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.</td>
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## Earth Systems and Environmental Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Institution</th>
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<tr>
<td><strong>Professor Robert Watson</strong></td>
<td>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&amp;T (IAASTD).</td>
</tr>
<tr>
<td><strong>Dr Michael Bowman</strong></td>
<td>Vice President Geoscience, BP Exploration.</td>
</tr>
<tr>
<td><strong>Professor Peter Burkill</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Dr Janet Cotter</strong></td>
<td>Senior Scientist, Greenpeace International.</td>
</tr>
<tr>
<td><strong>Professor Andrew Curtis</strong></td>
<td>Professor of Mathematical Geoscience, University of Edinburgh.</td>
</tr>
<tr>
<td><strong>Mr Rowan Douglas</strong></td>
<td>Managing Director of Willis Analytics, Willis Re. Chairman of the Willis Research Network.</td>
</tr>
<tr>
<td><strong>Mr Colin Drummond</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Mary Fowler</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Professor Maggie Gill</strong></td>
<td>Director of Rural &amp; 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.</td>
</tr>
<tr>
<td><strong>Mrs Jenny Griffiths</strong></td>
<td>Consultant, Royal Society for Public Health. Co-ordinator of the Health and Sustainability Network.</td>
</tr>
<tr>
<td><strong>Professor Roy Harrison OBE</strong></td>
<td>Professor of Environmental Health, University of Birmingham. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.</td>
</tr>
<tr>
<td><strong>Dr Kathryn Monk</strong></td>
<td>Science Strategy Manager, Environment Agency Wales. Was on the Earth Systems and Environmental Sciences sub-panel in RAE2008.</td>
</tr>
<tr>
<td><strong>Professor Susan Owens OBE</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
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  
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.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Mr Paul Allen</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Linda Anderson</td>
<td>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.</td>
</tr>
<tr>
<td>Ms Abigail Appleton</td>
<td>Head of Speech Programmes and Presentation at BBC Radio 3.</td>
</tr>
<tr>
<td>Mr Adrian Barlow</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Jonathan Bate</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Ronald Carter</td>
<td>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.</td>
</tr>
<tr>
<td>Mr Ian Jack</td>
<td>Writer and journalist. Former editor of the Independent on Sunday and Granta magazine.</td>
</tr>
<tr>
<td>Professor Stephen Knight</td>
<td>Professor of English Literature, Cardiff University. Was a member of the English Language and Literature sub-panel in RAE2008.</td>
</tr>
<tr>
<td>Dr Joanna Newman</td>
<td>Head of Higher Education at the British Library.</td>
</tr>
<tr>
<td>Dr Alastair Niven OBE</td>
<td>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.</td>
</tr>
<tr>
<td>Professor Rick Rylance</td>
<td>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).</td>
</tr>
<tr>
<td>Mr Patrick Spottiswoode</td>
<td>Director, Globe Education at Shakespeare’s Globe.</td>
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<tr>
<td>Professor Greg Walker</td>
<td>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.</td>
</tr>
<tr>
<td>Mr Simon Winder</td>
<td>Publisher and author. Publishing Director at Penguin Press. Author of The Man who Saved Britain and Germania, both published by Picador.</td>
</tr>
<tr>
<td>Mr David Yelland</td>
<td>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.</td>
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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:
   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 estational 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 metabolomics 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

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