

Institution: University of Durham
Unit of Assessment: 32
<p>a. Overview: The submitted unit coincides with Durham University's Department of Philosophy, which has 18.85 FTE REF-eligible members of staff. All are included in this submission. Work is structured around five research clusters, which provide focus for collaborative and often interdisciplinary research projects: Aesthetics, the Applied Phenomenology Group (APG), Ethics, History and Philosophy of Science and Medicine (HPSM), and Mind, Language and Metaphysics (MLM). Every staff member and research student belongs to one or more of these clusters. All are headed by senior academic staff, who encourage and oversee collaborative research, organisation of research events, and preparation of grant applications. The Head of Department (HoD) oversees allocation of teaching and administrative duties, financial resources and research leave. The Director of Research (DoR) provides overarching guidance and research direction through regular research committee meetings which involve all research-active staff. The Publications Officer provides advice on the placement and preparation of research for publication. The Director of Postgraduate Research (DPGR) oversees the admission, progress and career development of research students. The Department works closely with university centres, institutes and other university departments, which facilitate major interdisciplinary projects, high-profile conferences, workshops and lecture series that frequently bring world-renowned researchers to Durham. These include the Centre for Medical Humanities (CMH), Centre for the History of Medicine and Disease (CHMD), Centre for the Ethics of Cultural Heritage (CECH), Centre for Sex, Gender and Sexualities (CSGS), Centre for Humanities Engaging Science and Society (CHESS), Institute of Advanced Study (IAS) and Wolfson Research Institute for Health and Wellbeing (WRI). An emphasis on pioneering interdisciplinary research has led to numerous research grants. The result is a dynamic and distinctive research culture, which attracts a high number of PhD students and enables world-class research in areas that currently include categorial ontology, mental causation, the structure of the language faculty, aesthetics of music, ethics of archaeology, environmental ethics, phenomenology of psychiatric illness, the foundations of chemistry, the philosophy of economics, evidence-based policy, and history of medical ethics.</p>
<p>b. Research strategy: Our research environment is distinctive in three ways: (i) its diversity of interests and approaches, spanning Anglo-American, 'Continental' and non-Western philosophy; (ii) our tradition of research in the history and philosophy of the physical, medical and social sciences; (iii) academic research in core areas of philosophy (as well as history of science and medicine) that is also outward-looking, engaging with other disciplines and with the world beyond academia. This involves interaction with archaeologists, artists, chemists, clinical psychologists, economists, historians, linguists, musicians, neurobiologists, physicists, policy makers, and psychiatrists. The Department's broad aim is to sustain and enhance our distinctive tradition of research, building on the existing strengths of our research clusters to make them all world-leading concentrations of research expertise. Our strategy has three main parts:</p> <p>(i) Research grants: We seek to obtain a consistently high level of research income across all five clusters. This serves to (a) produce high quality research, (b) fund new posts, (c) bring top researchers from all over the world to Durham, (d) generate PhD studentships, (e) integrate PhD students into major projects and networks of top researchers in their fields, (f) generate and consolidate collaborations with philosophers and others, nationally and internationally, and (g) raise the Department's international profile through well-publicised events, new research connections and funding for travel to overseas meetings. Examples of how we have turned these ambitions into reality during the REF period are detailed below.</p> <p>(ii) Centres, institutes and collaborations: We work closely with several research centres and institutes within Durham University to develop interdisciplinary collaborations and research projects. These (a) provide funding and administrative support for events, (b) facilitate interaction across disciplines, (c) publicise projects/events, (d) nurture grant proposals and (e) engage research students. Through centres, we have well-established collaborations with other university departments including Chemistry, Classics, English Studies, History, Music, Physics,</p>

Psychology, Theology, and the School of Medicine, Pharmacy and Health. We place an equally strong emphasis on collaborations with researchers in other institutions, many of which are developed and financed through grants.

(iii) Publications: We aim to publish our research in books and journals that are (a) of the highest quality; (b) appropriate to the subject matter; (c) accessible and well-placed to maximise dissemination. To achieve this, a dedicated **Publications Officer** meets with all staff on a regular basis to offer informal advice. The Department also operates a rigorous process of internal peer review, overseen by the **Publications Officer** and **DoR**. All staff members read and critically discuss each other's research on a regular basis, and submissions with 'revise and resubmit' verdict from major journals are given particular attention. Increasing the visibility and influence of our work in this way directly enhances our ability to recruit excellent staff and PhD students, and to develop collaborations.

Progress since RAE2008: The strategy outlined above has developed since RAE2008. Changes include: (i) Research grant capture has gained further momentum and now plays an even more prominent role in our strategy; (ii) The 'value' group has been divided into 'ethics' and 'aesthetics' for greater focus. We met or exceeded all targets stated in RAE2008. The AHRC application for 'The New Ontology of the Mental Causation Debate' project was successful. The AHRC-funded project 'Emotions and Feelings in Psychiatric Illness' was swiftly followed by an AHRC-DFG research grant in the same area, and then a Wellcome Trust Strategic Award. Work on language has been assisted by another AHRC-DFG grant. Planned books (**Lowe's Personal Agency**, **Ratcliffe's Feelings of Being**, **James' The Presence of Nature**) have all been published. We have enhanced research strengths through expansion. The arrivals of **Cartwright** (2012), **Reiss** (2012), **Parker** (2013) and **Wylie** (2013) cement our reputation for world-leading research in the history and philosophy of science. **Reiss's** appointment also realises our plan to complement strengths in history of medicine with expertise in philosophy of medicine. Three replacement appointments, **Vickers** (2011), **Mac Cumhaill** (2013) and **Tugby** (2013) replenished **HPSM**, **MLM** and **Aesthetics**. Our environment has also benefited from several fixed-term appointments, directly or indirectly associated with grants, including multiple research fellowships in each of **APG**, **HPSM** and **MLM**. Further development of relationships with research centres is exemplified by our leadership of **CHMD** research and increased interaction with **CMH**. **CECH**, which was planned in 2008, is now running, and the Department was central to the foundation of both **CSGS** (2011) and **CHES** (2013).

Our distinctive range of specialisms, our progress since 2008, and our research strategy emphasising external funding and collaboration, are all exemplified by the past, present and future activities of staff in our five research clusters. These include:

(i) Aesthetics: In 2008 **Schellekens** and **Hamilton** were jointly awarded a Beacon Fellowship for a series of workshops involving public engagement with modern art and music. **Hamilton** co-organised a conference on Scruton's Aesthetics, which led to an edited volume (Palgrave, 2012). **Schellekens** co-authored a monograph with Peter Goldie, *Who's Afraid of Conceptual Art?* (Routledge, 2009), after which they co-edited *The Aesthetic Mind* (OUP, 2011). She was awarded AHRC funding for an interdisciplinary research network project on aesthetic and moral judgements in archaeology, starting in 2013.

(ii) APG: **Ratcliffe's** work on phenomenology and psychiatry was aided by an AHRC network grant (2008), an AHRC-DFG grant (2009) and then a Wellcome Trust Strategic Award for 'Hearing the Voice' (in collaboration with the **CMH** and other university departments). Outputs so far include two co-edited journal special issues. Cluster research also includes **Gambaudo's** work on gender, narrative and psychiatry. She created the Gender Research Network in 2010, the success of which led directly to the formation of the **CSGS** in 2011. **James's** current research focuses on environmental phenomenology. It builds upon a 2009 Palgrave monograph and involves continuing interdisciplinary collaboration with scientists and policymakers.

(iii) Ethics: Central to this cluster's activity is **CECH**, through which **Scarre** has begun a systematic programme of interdisciplinary research on the ethics of trusteeship and stewardship, working with archaeologists and the British Museum.

(iv) HPSM: With staff in Durham's Philosophy and Physics departments, **Hendry** won a major Templeton Foundation grant for the 'Durham Emergence Project' in November 2012. He

also led an AHRC-funded project 'Structure in Chemistry' with philosophers and scientists from the UK, Europe and the USA, and his monograph *The Metaphysics of Chemistry* is forthcoming with OUP. **Eddy's** continuing research on the intellectual history of modern science focuses on classification and visual representation. It includes his books *The Language of Mineralogy* (Ashgate, 2008), and *The Patchwork Picture* (Chicago, forthcoming), both of which were supported by AHRC awards. **Maehle** is **CHMD** Director. His recent publications include *Doctors, Honour and the Law* (Palgrave, 2009), supported by a 2007 Wellcome Trust Strategic Award to the Northern Centre for the History of Medicine (which incorporates **CHMD**). With Wellcome support, he also co-authored *A Short History of the Drug Receptor Concept* (Palgrave, 2009) and co-edited a special issue of *Medical History* on Albert Moll (CUP, 2012). **Vickers** recently completed an AHRC-funded project 'Evaluating Scientific Realism', along with his book *Understanding Inconsistent Science* (OUP, 2013).

(v) **MLM**: **Lowe's** and **Gibb's** work on mental causation was supported by an AHRC research grant and a Marie Curie Fellowship for a visiting researcher. A co-edited volume based on their AHRC project, with an internationally distinguished list of contributors, was published by OUP in 2013. **Hinzen** works on language and linguistics. He completed a five-year collaborative project on 'The Origin of Truth' in 2011 (funded by the Netherlands Organization for Scientific Research) and, in 2012, the DFG-AHRC project, 'UnCartesian Linguistics', which produced a book on universal grammar (OUP, 2013).

Future strategic aims and research goals: During the next five years and beyond we will strengthen our pluralistic and outward-looking research culture. We will: (i) deepen current areas of strength, forming world-leading concentrations of expertise; (ii) further develop our collaborations with researchers, policy makers and practitioners from other disciplines and beyond academia; (iii) use external funding, university centres and institutes to support innovative research and its environment. Planned research includes the following:

The **Aesthetics** and **Ethics** clusters will collaborate on a project on archaeological heritage, supported by **Schellekens'** recent AHRC award and the appointment of **Wylie** (2013). **Hamilton** is planning a multidisciplinary edited volume on rhythm and a monograph, *The Autonomy of Art*. The new centre, **CHESSE**, run by **Cartwright**, **Parker** and **Reiss**, will pursue research and grant applications on evidence and policy across the natural and social sciences, including climate science, economics and medicine. **Maehle** will complete a new book on medical confidentiality for University of Chicago Press, supported by a Leverhulme Research Fellowship. **Vickers** will follow up his successful AHRC project with a comprehensive re-examination of historical arguments for and against scientific realism. As part of the emergence project, **Hendry** will work with condensed matter physicists to weigh evidence for and against reductive physicalism, while **Lowe** and **Gibb** plan monographs advocating dualist approaches to mental causation. **Hinzen** will start in 2014 a new, AHRC-funded interdisciplinary project on 'Language and Mental Health'. **Ratcliffe's** book on the phenomenology of depression is forthcoming (OUP, 2014) and, in collaboration with mental health professionals, he is developing a project on temporal experience in psychiatric illness.

c. People, including:

i. Staffing strategy and staff development

Strategic appointments: We seek to make new appointments that complement and enhance existing areas of research expertise. Since 2008, strategic investment by the University, along with healthy finances due to high grant income and buoyant student recruitment, have allowed us to make four *additional* strategic appointments. These have strengthened our **HPSM** cluster considerably. Another two additional appointments are planned for 2014-2016, to complement and enhance the expertise of **MLM**, **Ethics** and/or **APG**. Any replacement appointments will preserve current areas of expertise.

Recruitment, equality and diversity: The Department encourages diversity through its open research culture, which engages with Western and non-Western philosophy and, through the **CSGS**, addresses issues concerning sex, gender and sexualities that bear on equality. **Wylie's** recent appointment will further enrich **CSGS** activities. In addition, her research and policy expertise in the area of gender will be drawn upon at university level, to inform recruitment practices and other staff policies. All members of appointing committees take a recruitment

training course. Posts are advertised widely and are open to researchers all over the world (members of the Department come from six different countries). Advertisements for full-time posts specify that job-share options will be considered. Recruitment committees include both female and male staff, represent a range of research interests, and include staff from other departments, thereby promoting receptiveness to different perspectives and backgrounds.

Support for early-career staff: Early-career staff are assigned mentors, who meet with them regularly to discuss their professional development. Together they complete a probation agreement that includes clear targets and a timetable for their achievement. This is approved by the **HoD** and Faculty Head. Progress is monitored through interim probationary reports. Additional support is offered where needed. Lecturers and teaching fellows on probation are given a 25% reduction in teaching and administrative load. They also complete the Durham University Learning and Teaching Award in the first year of employment. Extensive support is offered to all staff on fixed-term contracts. Since our grants generate research fellowships and fixed-term posts relieving Principal Investigators of other duties, we have many such staff. The Department is committed to making all these posts genuine career-development opportunities. Fixed-term appointees receive bespoke training from mentors, the **HoD** and the departmental research committee, to help them develop the range of skills needed to maximise employability. Research papers are critically discussed by research committee members, who offer suggestions for improvement and submission. Mentors comment on CVs and job applications. The Department offers mock interviews, arranged by the **HoD** and **DoR**. Research staff are given the opportunity to teach. Support for this is provided by the Education Committee Chair, Director of Undergraduate Studies (**DUS**) and leaders of relevant modules. In all cases, teaching is tailored to the development of career-enhancing experience and expertise. We also involve new staff as co-investigators on grant applications and co-supervisors of PhD students, giving them valuable experience under the guidance of senior colleagues. University-wide training courses are available on all aspects of an academic career, including developing and running research projects, supervising PhD students, and academic writing. We are committed to retaining excellent staff and converting fixed-term into permanent contracts whenever possible (e.g. **Vickers**). Where it is unlikely that a contract can be renewed, this is made clear from the outset and career guidance is provided. Our general staffing policy therefore exceeds the more specific expectations of the Concordat to Support the Career Development of Researchers. The University has devised an action plan, having analysed policy and practice against Concordat principles for career development, and Durham was one of fifteen UK universities awarded the European Commission HR Excellence in Research Award.

Other staff policies: Research-active staff, including those on fixed-term contracts, may take up to one term of research leave in seven. There is flexibility; leave can be brought forward or additional leave given due to personal circumstances or research needs. All the support available to early-career staff is available to others who may require it, and most staff members seek regular research committee advice on topics such as grant preparation and publishing work in good journals. The Department supports its staff through a range of circumstances that can affect an academic career. Research leave is offered for the term immediately following a period of maternity leave. In addition, working hours for parents are maximally flexible; all requests for flexible working have been fully accommodated. The Department keeps a fund in reserve to lighten workloads in circumstances such as bereavement or return to work after a period of illness. Support is also geared towards promotion. We encourage professional development through annual staff reviews for all staff, mentorship, a structured programme of teaching opportunities, publication guidance, grant application support, and a lively interdisciplinary environment with many opportunities for collaborative research. The University invites promotion applications annually. The **HoD** works with prospective applicants to ensure that applications are as strong as possible, and writes a letter of support in consultation with the **DoR** and **DUS**. During the REF period there have been four promotions to Senior Lecturer, two to Reader and three to Professor.

ii. Research students

Recruitment and funding: PhD recruitment is consistently high. On 31 October 2013, we had 24 full-time and 10 part-time PhD students in years 1 to 3 of PhD study (or part-time

equivalent). Between 1 January 2008 and 31 July 2013, 27 students were awarded the PhD degree. We are committed to funding our PhD students wherever possible. Between 1 October 2009 and 31 July 2013, the following full scholarships were awarded: seven AHRC block grant studentships; two AHRC research grant studentships; two ERC research grant studentships; six Durham University Doctoral Scholarships; two Templeton Foundation studentships; two University awards to inaugurate **CHES** (with two more in October 2014); and two **WRI** studentships. Other sources of full PhD funding included a Turkish Government award, a US government award and a Portuguese Foundation for Science and Technology scholarship. The Department itself offers two fees-only PhD awards: the Butler and Bretherton scholarships, both awarded every two years on average. We use our Alumni fund to award annual scholarships of £1,000 (full-time) and £500 (part-time) to all self-financing students entering their second and third years of PhD study (or part-time equivalent) who have demonstrated good progress. Durham's new AHRC-BGP2 award with Newcastle and Belfast includes 6 studentships in Philosophy over 5 years from 2014, supplemented by 22 University studentships p.a. for Arts and Humanities.

Research student environment: Research students are fully integrated into our research culture, as fellow researchers, co-authors, and/or collaborators on research grants. For example, one project-funded PhD student and five other PhD students regularly participated in AHRC-DFG 'depression' project reading groups and workshops, and **Hamilton, Hinzen, Maehle** and **Ratcliffe** have all co-authored recent publications with their students. Like our staffing policy, our approach to PhD recruitment and supervision emphasises diversity, equality, mentorship and career development. We are committed to giving all PhD students a comprehensive education that equips them with the skills needed for a successful academic or professional career. Students have two supervisors, one of whom may be from another university department. The nature and distribution of supervision is tailored to individual students' needs (e.g. 75/25 or 50/50). In some cases, a secondary supervisor provides general guidance on thesis writing and career development. In others, the contents of the thesis are split between supervisors. We provide financial, academic and administrative support for students to develop their own research initiatives. Students are assigned to one or more research clusters, all of which host a range of annual events that involve students (e.g. annual workshops, where all research students present their latest research). In addition, there are postgraduate skills sessions, weekly meetings of EIDOS (our postgraduate philosophy society, which is attended by both staff and students), weekly departmental research seminars, occasional Royal Institute of Philosophy Lectures, several reading groups, numerous institute/centre events, and an annual postgraduate conference run jointly with the University of Bergen (Norway). The Department financially supports and oversees a postgraduate journal, *Philosophical Writings*, which gives students valuable experience of editing, reviewing papers, writing book reviews and publishing their work. It was re-launched in 2013 as an online journal. PhD students are encouraged to give papers outside Durham and have a departmental travel budget of £300 per annum each. They organise events in Durham too, assisted by the **DoR** and **DPGR**, for which they receive departmental support of at least £600 per event. At least 30 events organised solely or primarily by PhD students took place in the REF period: e.g. PhD students organised two high-profile workshops in May and June 2013 under the theme 'Philosophy and Psychology: Integrating Research across Domains'. These involved Ned Block, Susan Carey and others, and were funded by the Philosophy and Psychology departments, as well as the Mind Association. PhD students also organised a conference on 'The Limits of the Aesthetic' in June 2013. We hosted the British Postgraduate Philosophy Conference in 2010. PhD students have extensive workspace in the Department, a Faculty-wide Postgraduate Centre, and the **WRI**. From Year 1, training needs are analysed and addressed through a comprehensive university-level programme of seminars and workshops. Progress is monitored throughout by supervisors, and the Department's annual research student panel review, for which students write a piece of work, are interviewed by a staff panel and receive detailed advice on professional development. PhD students are offered paid undergraduate tutorial teaching from Year 2, in areas where they seek to develop teaching expertise. For this, there is a university-wide training course, a training session with the **DUS**, support/guidance from module leaders and peer review from other

academic staff. They are also encouraged to take the Durham University Learning and Teaching Award. In Year 3, the teaching portfolio is expanded to include other modules, plus some lectures and seminars. For administrative experience, they are offered occasional paid roles (e.g. website design, library support, proof-reading, event organisation, general research support) to supplement experience gained through involvement with research clusters. Upon completion and while seeking employment, former students are offered the title of 'research associate', continued access to all facilities, and hourly-paid teaching and other employment opportunities. Support offered to PhD students remains available to graduates for as long as they need it. Many of our former students have secured academic jobs. 14 of our 2008-13 PhD graduates have gone on to university teaching and/or research posts (e.g. at UEA, UCL, Birkbeck, Bundeswehr [Hamburg], Helsinki, Canterbury [New Zealand], and the Pontificia Universidad Javeriana [Colombia]).

d. Income, infrastructure and facilities

(i) Income: Across the Department we have an exceptionally high level of research grant capture from a wide range of different funders, with most of our staff across the different research groups winning grants. During the assessment period for RAE2008 the Department was awarded a total of **£574,253** in external funding, a figure we have since dramatically exceeded. For the REF period (up to July 2013) our total grant-capture figure stands at **£3,405,000**, with total Departmental research income of **£1,665,291**.

APG: 'Emotions and Feelings in Psychiatric Illness' (2008, AHRC network grant of **£48,000**, PI: **Ratcliffe**, Co-I: Anthony Atkinson [Psychology, Durham]); 'Emotional Experience in Depression: a Philosophical Study' (2009, AHRC-DFG research grant of **£294,000** for UK-side of the project, PI: **Ratcliffe**); 'Hearing the Voice' (2012, Wellcome Trust Strategic Award of £1,000,000, PI: Charles Fernyhough [Psychology, Durham], with **Ratcliffe** as a Co-I; **£190,000** of the overall amount allocated to Philosophy);

Aesthetics/Ethics: 'ArtMatters' (2008, Beacon Award of **£9,000**, PIs: **Hamilton; Schellekens**); 'The Ethics and Aesthetics of Archaeological Stewardship' (2012, AHRC Networking Award of **£34,000**; PI: **Schellekens**; Co-I: Skeates [Archaeology, Durham]);

HPSM: 'Pathological Sounds' (2008, Wellcome Trust Research Fellowship of **£74,000**; sponsor: **Maehle**); 'Re-ordering the World' (2011, AHRC Research Fellowship of **£49,000**, PI: **Eddy**); 'Evaluating Scientific Realism' (2012, AHRC Research Development Award of **£21,000**, PI: **Vickers**); 'Structure in Chemistry' (2012, AHRC Research Development Award of **£21,000**, PI: **Hendry**); 'The Durham Emergence Project' (2012, John Templeton Foundation Research Grant of **£1,626,000**, PI: **Hendry**; Co-Is: **Lowe**, with Tom McLeish [Physics, Durham]; this includes £500,000 for a funding competition, to be managed and distributed by **Hendry**); 'Medical Confidentiality and Patient Privacy in Historical Perspective' (2013, Leverhulme Trust Research Fellowship of **£22,000**, PI: **Maehle**);

MLM: 'The New Ontology of the Mental Causation Debate' (2008, AHRC research grant of **£166,000**, PI: **Gibb**; Co-I: **Lowe**); 'Un-Cartesian Linguistics' (2009, AHRC-DFG research grant of **£165,000** for UK-side of the project, PI: **Hinzen**); 'Ontology of Mental Causation and Human Agency' (Marie Curie Fellowship of **£100,000**; sponsor: **Lowe**); 'Sastravid: a New Paradigm for the Study of Indian Philosophical Texts' (2010, ERC Early Investigator Award of **£579,000**, PI: Westerhoff [moved to Oxford in October 2013]); 'The Past and Future of Universal Grammar' (2011, BA conference grant of **£7,000**, PI: **Hinzen**).

(ii) Infrastructure and facilities in support of research: Heads of research clusters identify and encourage project proposals within their area, which are then reviewed by the departmental research committee. Viable proposals are developed into funding applications under the guidance of the **DoR**, after which they are reviewed again at departmental and Faculty level. Follow-up applications that build on successful projects are encouraged. Collaboration within and between clusters on grant applications and associated activities, through research meetings, reading groups, and cluster workshops, is facilitated by cluster heads and by the **DoR**. Several major grant applications are currently under review or in preparation. Complementing departmental support for these, the university research office provides 'seedcorn' funding of £1,000 to £25,000 for major applications. Successful applications involving **Ratcliffe** (2012) and **Schellekens** (2012) benefited from this. Advice on all aspects of the application process is provided by dedicated departmental contacts in the university research office. Centres and institutes provide further support for grant applications and research projects (e.g. administrative

support for events, lists of contacts, advertising, meeting rooms; see also section b above for details of centre collaborations). The **IAS** offers project-funding, and an **IAS**-funded project, 'Thinking with Feeling', fed into preparation of the AHRC-DFG depression project application. The **IAS** also funded the public lecture series 'Reflections on Water' (**HPSM** cluster). In addition, it offers generous funding for visiting research fellows, who apply directly or are nominated by departments. Since 2008, we have benefited from visits by **Cartwright** and **Wylie** (before their appointments here), Alan Chalmers, Barry Dainton, Simon Prosser, Alia Al-Saji and Gail Hornstein, amongst others, as well as from **IAS** research leave fellowships awarded to **Hendry** and **Ratcliffe**. In 2014-15, **IAS** funding and fellowships will contribute substantially to **Hendry's** emergence project. Additional financial support for research is provided by the Department, which funds travel to events and conference organisation (£600 per staff member per trip/event) and the Faculty research fund, which provides up to £2,000 per project. 'Event Durham' provides administrative support for conferences, and Durham colleges provide outstanding conference facilities free of charge. More general administrative support for research encompasses the Department, Faculty, Research Office, colleges, centres and institutes. Scholarly resources include a first-rate research collection in the University Library, which has been extended in size by 42% during the REF period, creating a new IT resource in the form of 'technology-enhanced study spaces'. Philosophy's average expenditure on books and journals during the REF-period was over £30,000 p.a. The Department also benefits from access to 300 on-line databases and e-journal packages. This is supplemented by college libraries and also the Department's own library, which has over 3000 books. The Palace Green Library houses a substantial collection in the history of science. In 2011, Durham University formed a closer association with Ushaw College Library, one of the finest collections of old and rare books in Europe. The two collections together comprise an invaluable resource for research by the Department's historians.

e. Collaboration and contribution to the discipline or research base

Members of the Department contribute extensively to the academic life of their disciplines. This includes the development of interdisciplinary links, conference organisation, advice and expertise on professional matters, and leadership of learned societies. (i) **Collaborations**: Interdisciplinary collaboration supported by University centres and institutes and by external funding is central to the Department's research strategy. **Ratcliffe's** AHRC-DFG project involved collaborations with philosophers, psychiatrists and clinicians in Germany and the USA, which have developed further in a Wellcome-funded project involving the **CMH**. **Hinzen's** AHRC-DFG project led to collaborations with philosophers, linguists and neuroscientists in Germany and with the Institute of Advanced Studies in Shimla, India. He is pursuing follow-up projects on neuroimaging, with the GIN laboratory in Bordeaux, and on biolinguistic variation, with researchers in Barcelona and the Basque Country. **Hendry** has collaborated with philosophers and chemists from the UK, USA, Europe and Australia. From October 2013, he will be working closely with philosophers and physicists on the 'Durham Emergence Project', funded by the John Templeton Foundation. **Lowe** works closely with metaphysicians in Europe and the USA. European links led to a Durham-based Marie-Curie Research Fellowship, and to a stream of visiting international research students. The new Centre, **CHES**, already has significant links with institutions across the USA, Europe, and Asia; the centre's first visiting PhD student (from University of California, San Diego) spent Easter Term 2013 at Durham. (See also section b above and REF 3a for information on academic and non-academic collaborations.)

(ii) **Event organisation**: During the REF period, academic staff have organised or co-organised 63 workshops and conferences, on a wide range of topics spanning our five research clusters. Many of these were high-profile international events. For example, in 2009 an award from the Royal Society enabled **Eddy** to organise the conference 'Prehistoric Minds: Darwinism, Culture and Human Origins'. **Gibb's** and **Lowe's** AHRC project involved a high-profile, three-day international conference 'The New Ontology of the Mental Causation Debate', and also a public lecture series and a final one-day conference. **Ratcliffe's** two AHRC-funded projects involved five workshops, a conference in Durham and three events in Germany, which together involved researchers and clinicians from Europe, the USA, Canada and Australia. **Hinzen** co-organised five major events in Durham, funded by the AHRC, the **WRI** and the **IAS**, as well as conferences

in Leiden, Amsterdam, Munich and Shimla.

(iii) **Invited papers:** The total number of invited papers given by submitted staff members since 1 January 2008 exceeds 350, with over 200 overseas. They include more than 30 prestigious keynote lectures or comparable events, mostly overseas. For example, since her arrival, **Cartwright** has given the Irving Thalberg Jr Memorial Lecture (University of Illinois) and the Frumkes Lecture (NYU), both in 2013. **Lowe** spoke at two overseas workshops dedicated to his own work, one on his metaphysics (Turku, Finland, 2010), the other on his book *Personal Agency* (Fribourg, Switzerland, 2010). He gave keynote addresses at conferences including 'Mind in Nature: the Second European Society for Early Modern Philosophy Congress' (Berlin, 2010) and 'Metaphysics: Aristotelian–Scholastic–Analytic' (Prague, 2010). **Hinzen** gave keynote lectures at the Fifth International Conference on Formal Linguistics (Guangdong, China, 2011) and the conference 'Language and Adjoining Systems' (Udaipur, India, 2010), as well as four 'state of the art distinguished speaker lectures' at Hong Kong University in 2010. **Ratcliffe** gave invited keynotes or plenaries at conferences in eight non-UK countries, and a major project in Germany (Animal Emotionale II) was based upon his work on 'existential feeling'.

(iv) **Editing and peer review:** **Schellekens** edits the *British Journal of Aesthetics*, and **Lowe** is General Editor of the *Cambridge Studies in Philosophy* monograph series. **Cartwright** is on the editorial boards/advisory committees of 23 journals, including *Philosophical Perspectives*, *Pacific Philosophical Quarterly* and *Synthese*. Eleven others belong to between one and six journal editorial boards. Between us we referee for over 60 journals in Philosophy and other disciplines, and have refereed for 18 different academic publishers since 2008. We are equally active in reviewing grant applications. In the REF period, we have refereed for 28 major funding bodies, including AHRC, Wellcome Trust, British Academy, Leverhulme Trust, Economic and Social Research Council, Chemical Heritage Foundation, Irish Research Council, Social Sciences and Humanities Research Council of Canada, Canada Council for the Arts, Deutsche Forschungsgemeinschaft, Velux Foundation, Netherlands Organization for Scientific Research, US National Science Foundation, Swiss National Science Foundation, Research Foundation Flanders, Evaluation Agency for Research and Higher Education, Austrian Academy of Science, Humboldt Foundation, and the European Science Foundation. **Hinzen**, **Lowe** and **Scarre** have all been members of the AHRC peer review college during the REF period, and **Cartwright** is a member of the REF2014 Philosophy sub-panel.

(v) **External examining and other services:** Ten staff members have examined research theses outside Durham during the REF period. For instance, between them **Lowe**, **Ratcliffe**, **Reiss**, **Scarre**, **Hamilton**, and **Schellekens** have examined 26 theses in the UK (outside Durham), and 14 theses at institutions across Europe, North America, Australia, and the middle east. We also offer frequent advice on tenure/promotion. For example, **Lowe** advised on promotion to Professor for New York, Notre Dame, and St Andrews Universities, as well as on election to the Royal Society of Canada; **Hendry** advised on tenure for the University of Pennsylvania, and election to a King's College Cambridge JRF; **Eddy** advised on Professorial promotion for Aberdeen and East Carolina; **Maehle** advised on promotion for Leicester, Manchester, and Oxford Brookes; and **Ratcliffe** advised on promotion for Adelaide, Birmingham, Cardiff, Oregon, and on the award of a Royal Irish Academy gold medal.

(vi) **Professional associations, fellowships and honorary degrees:** We play leading roles in several professional organizations. **Lowe** was President of the Mind Association (2011-12); **Hendry** served on the steering committee of the European Philosophy of Science Association (2011-13) and the executive committee of the International Society for the Philosophy of Chemistry; and **Schellekens** is on the Executive Committee of the British Society for Aesthetics. **Eddy** held a Mellon Visiting Professorship at Caltech (2008), while **Hinzen** was Guest Professor at the University of Hong Kong (2010-11) and the Universitat Autònoma de Barcelona (2011). **Cartwright** is a MacArthur Fellow, a Fellow of the British Academy and the American Philosophical Society, and a Member of the American Academy of Arts and Sciences and the German National Academy of Sciences. In 2012 and 2013 she was awarded honorary degrees by the Southern Methodist University and St Andrews University, and was also made Tsing-Hua Honorary Chair at the National Tsing Hua University of Taiwan.