

**BBSRC SCORECARD: DELIVERABLES AND TARGETS, 2010-11**

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2010-11
Healthy research base: cross-Research Council	Vibrant, internationally competitive multidisciplinary UK research base, capable of delivering a step-change in its economic impact, in: <ul style="list-style-type: none"> <li>• energy</li> <li>• environmental change</li> <li>• ageing</li> <li>• global security</li> <li>• nanotechnology</li> </ul>	<u>Energy</u> <ul style="list-style-type: none"> <li>• Commit £38M to bring together UK research community and expand capacity in bioenergy, including £20M for bioenergy research initiative</li> <li>• Develop new research centre and flagship bioenergy programme</li> <li>• Significantly increase national capacity and research volume in bioenergy</li> <li>• Explore longer-term alternatives to petrochemicals</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor progress in BBSRC Sustainable Bioenergy Centre (BSBEC) maintaining UK world-leading position <b>(on-going)</b></li> <li>• Organise intensive “Ideas lab” with USA NSF to bring together leading researchers <b>(Dec 10)</b></li> <li>• Review industrial biotechnology portfolio and develop strategy for future support <b>(Mar 11)</b></li> <li>• Fund relevant research through responsive mode, monitored by Committee chairs <b>(on-going)</b></li> <li>• Explore longer-term potential for harnessing UK expertise in photosynthesis and other relevant fields <b>(Mar 11)</b></li> </ul>	
		<u>Environmental change</u> <ul style="list-style-type: none"> <li>• Commit £22M to this area, including £8M of additional funding</li> <li>• Develop predictive models of how farming systems respond to environmental change</li> <li>• Target funding on basic research to mitigate and adapt to environmental change</li> </ul>	In relation to (LwEC) Objective C <ul style="list-style-type: none"> <li>• Implement ~£10M multi-funder initiative on health of bees and other insect pollinators, including funding specific projects <b>(Jul 10)</b> and overseeing programme management <b>(on-going)</b></li> <li>• Arrange scoping workshops on topics at interface with Global Food Security <b>(Mar 11)</b></li> <li>• Contribute up to ~ £2M to MRC-led Environmental and Social Ecology of Human Infectious Diseases initiative <b>(Mar 11)</b></li> <li>• With RERAD fund research into food security and living with environmental change, through responsive mode <b>(Mar 11)</b></li> </ul>	

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Healthy research base: cross-Research Council (ctd)	Vibrant, internationally competitive multidisciplinary UK research base, capable of delivering a step-change in its economic impact (ctd)	<u>Ageing</u> <ul style="list-style-type: none"> <li>• Working through RCUK, commit additional £8M to ageing research including new centres for Lifelong Health and Wellbeing, (LLHWP, with MRC and other RCs)</li> <li>• Generate new knowledge of factors that will inform strategies for improving 'healthspan'</li>   <li>• Deliver focused and coordinated national research programme into ageing</li> </ul>	<ul style="list-style-type: none"> <li>• Support awards on ageing funded with USA NIA, and explore further opportunities to network <b>(Mar 11)</b></li> <li>• Commit ~£2M to LLHWP phases 2 and 3 <b>(Mar 11)</b></li> <li>• Support DRINC research in diet and health <b>(Sep 11)</b></li> <li>• Contribute to understanding of exercise and health across the lifespan <b>(on-going)</b></li> <li>• Promote strategically relevant science through priority in responsive mode <b>(on-going)</b></li> <li>• Work with other RCs/charities eg through XCAR (see p 7) and UK Age Research Forum <b>(Mar 11)</b></li> </ul>	
		<u>Global security</u> <ul style="list-style-type: none"> <li>• Commit £7M on research directly relevant to security (emphasis on animal and plant diseases)</li> </ul>	<ul style="list-style-type: none"> <li>• Contribute up to £2M to first transnational call of Emerging and Major Infectious Diseases of Livestock ERAnet, EMIDA <b>(Mar 11)</b></li> <li>• Lead joint initiative (£1.7M, with MRC, Defra and Wellcome Trust) on combating swine influenza <b>(Mar 11)</b></li> <li>• Monitor progress in multi-funder CIDLID initiative <b>(Mar 11)</b></li> <li>• Develop 'One biology, one health' approach to underpin BBSRC support of infectious disease research within food security agenda <b>(Mar 11)</b></li> </ul>	

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Healthy research base: cross-Research Council (ctd)	Vibrant, internationally competitive multidisciplinary UK research base, capable of delivering a step-change in its economic impact (ctd)	<u>Global security (ctd)</u> <ul style="list-style-type: none"> <li>• Maintain national capacity in plant disease research</li> <li>• Maintain national capacity to develop novel diagnostics for animal diseases</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure relevant institute strategic programme grants stay on target <b>(Mar 11)</b></li> <li>• Promote UK co-ordination eg through the Animal Disease Research Funders' Forum <b>(on-going)</b></li> </ul>	
		<u>Global Food Security</u> <ul style="list-style-type: none"> <li>• Boost global security by helping to alleviate poverty and assure food supply</li> </ul>	<ul style="list-style-type: none"> <li>• Launch with DfID and others initiative on countering effects of abiotic/biotic stresses on crop production in sub-Saharan Africa/South Asia <b>(Mar 11)</b></li> <li>• With USA NSF hold photo-synthesis "Ideas lab" (see p 1) <b>(Mar 11)</b></li> <li>• Support Crop Improvement Research Club <b>(On-going)</b></li> <li>• Support TSB's innovation platform in sustainable agriculture (see p 11) <b>(On-going)</b></li> </ul>	
		<u>Nanotechnology</u> <ul style="list-style-type: none"> <li>• Invest £5M annually in bio-nanotechnology, including £1M pa to strengthen portfolio, boost science networks and develop industrial partnerships</li> <li>• Further develop crucial linkages between basic research and relevant bioindustries</li> </ul>	<ul style="list-style-type: none"> <li>• Engage in cross-Council nanotechnology programme and fund relevant research through responsive mode monitored by Tools &amp; Resources Strategy Panel <b>(on-going)</b></li> <li>• Work through Bioscience for Industry Panel, responsive mode grants, studentships and Technology Strategy Board <b>(on-going)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2010-11
Healthy research base: cross-Research Council (ctd)	Impact through effective public engagement with UK research base	<ul style="list-style-type: none"> <li>• Delivery of RCUK Science in Society strategy, including enhanced access to science for young people</li> </ul>	<ul style="list-style-type: none"> <li>• Explore opportunity/contribute to training around bioethical and societal issues, with NCCPE and RCUK <b>(Mar 11)</b></li> <li>• Contribute to RCUK public engagement strategy development and implementation <b>(Mar 11)</b></li> <li>• Feed through RCUK activities to institutes and facilitate institute involvement in delivery <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Increased impact of public dialogue activities (working with other Councils as appropriate)</li> </ul>	<ul style="list-style-type: none"> <li>• With MRC publish response to BBSRC/MRC-commissioned Stem Cell dialogue report (Sciencewise) <b>(Oct 10)</b></li> <li>• Publish new schools publication, and refresh public exhibition (Hope not Hype): in response to recommendations from the dialogue <b>(Jul 10)</b></li> <li>• Use results from study commissioned on societal issues to inform formulation of public engagement strategy <b>(Oct 10)</b></li> <li>• Publish BBSRC position statement on bioenergy research <b>(Jul 10)</b></li> <li>• With EPSRC publish response to report from BBSRC/ EPSRC/ Sciencewise-ERC dialogue on synthetic biology <b>(Sep 10)</b></li> <li>• Submit strategy for public engagement/communications around Global Food Security programme submitted to Programme Development Board <b>(May 10)</b></li> </ul>	

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Healthy research base: cross-Research Council (ctd)	Impact through effective public engagement with UK research base (ctd)	<ul style="list-style-type: none"> <li>Increased impact of public dialogue activities (working with other Councils as appropriate) (ctd)</li> </ul>	<ul style="list-style-type: none"> <li>Work with Board to identify priorities for dialogue and preferred methodologies (<b>Oct 10</b>)</li> <li>Publicise strategy and outline plans for dialogue (<b>Dec 10</b>) and start implementation (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>Effective system to gather early intelligence on social issues around bioscience research</li> </ul>	<ul style="list-style-type: none"> <li>Work with Bioscience for Society Strategy Panel to identify emerging scientific and societal issues (<b>on-going</b>)</li> <li>Panel to be engaged further around Food Security, and Bioenergy (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>Public better informed about research and empowered to contribute to decisions about its direction</li> </ul>	<ul style="list-style-type: none"> <li>Work with BSS on priority issues such as public confidence, transparency and accountability (<b>on-going</b>)</li> <li>Promote BBSRC's "Bioscience for Life" campaign (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>Good practice in public engagement shared across BBSRC institutes and promoted within HEIs</li> </ul>	<ul style="list-style-type: none"> <li>Share resources with BBSRC institutes, initially to coordinate approaches to engaging young people with bioscience research (<b>Mar 11</b>)</li> <li>Re-allocate public engagement awards across institutes to support dedicated post at JIC/ IFR/TGAC as BBSRC schools liaison manager for institutes and local coordinators (<b>Jul 10</b>)</li> <li>Pilot new specialist training courses in public engagement in bioenergy (<b>Mar 11</b>)</li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2010-11
Healthy research base: BBSRC	Vibrant, internationally competitive UK bioscience research base capable of delivering a step-change in its economic impact	<u>General support</u> <ul style="list-style-type: none"> <li>• Support for investigator-led research to total £237M pa</li> <li>• Increase responsive mode funding by 3% pa over spending review period</li> <li>• Improved capability in identifying and assessing economic impact of basic research</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain responsive mode grants portfolio alongside scheme for strategic Longer Larger Grants <b>(on-going)</b></li> <li>• Expenditure, 2010-11: £160M</li>   <li>• Publish revised Economic Impact baseline <b>(Jun 11)</b></li> <li>• Implement strategy to identify, collect, maintain and manage information on BBSRC-generated economic impact using newly developed system <b>(Mar 11)</b></li> </ul>	
		<u>Systems biology</u> <ul style="list-style-type: none"> <li>• Total funding of c£115M over spending review period</li> <li>• Embed systems approach in responsive mode, initiatives and institute funding</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage Systems Biology Centres to run induction courses on systems biology approaches <b>(Mar 11)</b></li> <li>• Engage communities currently underrepresented in BBSRC systems portfolio <b>(Mar 11)</b></li> <li>• Develop further options for additional training, including launch of new initiative to develop e-learning platform <b>(Mar 11)</b></li> </ul>	

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Healthy research base: BBSRC (ctd)	Vibrant, internationally competitive UK bioscience research base capable of delivering a step-change in its economic impact (ctd)	<u>Tools and Resources (T&amp;R)</u> <ul style="list-style-type: none"> <li>• Overcome bottlenecks in bioimaging, computational analysis, biobased tools and bioanalytical techniques for academic and industrial use</li> <li>• Provide regular funding to develop and support databases and biological resources</li>   <li>• Establish data-sharing culture in BBSRC's research communities</li> </ul>	<ul style="list-style-type: none"> <li>• Invest up to £12.3M in T&amp;R funding in 2010-11 <b>(Mar 11)</b></li> <li>• Implement funding decisions on second tranche of Bioinformatics and Biological Resources and T&amp;R Development Fund <b>(Sep 10)</b></li> <li>• Develop access mechanism for UK researchers to TGAC facilities <b>(Mar 11)</b></li> <li>• Explore further external funding for TGAC <b>(Mar11)</b></li> <li>• Continue to monitor compliance with BBSRC data sharing policy <b>(on-going)</b></li> </ul>	
		<u>Other strategic areas</u> <ul style="list-style-type: none"> <li>• Further develop synthetic biology, building on biomimetic and biomodification approaches</li>   <li>• Maintain excellent BBSRC/MRC interface to ensure translation of underpinning biological research into medical benefit</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to develop synthetic biology in partnership other UK and European funders <b>(Mar 11)</b></li> <li>• Fund relevant research through responsive mode, monitored by SAB <b>(on-going)</b></li> <li>• Ensure co-ordination of BBSRC/MRC activities through Steering groups eg Coordinating Committee for Cross-Council Ageing Research [XCAR] <b>(on-going)</b></li> <li>• Provide support to programmes led by MRC, eg Lifelong Health and Wellbeing <b>(on-going)</b></li> <li>• Support "One biology, one health" by funding comparative studies of human, animal and microbial biology <b>(on-going)</b></li> </ul>	

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Healthy research base: BBSRC (ctd)	Vibrant, internationally competitive UK bioscience research base capable of delivering a step-change in its economic impact (ctd)	<ul style="list-style-type: none"> <li>• Further expand UK capability in stem cells research, ensuring further development of the skills base in this area</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain stem cells research as priority area for funding <b>(on-going)</b></li> <li>• Continue to coordinate across UK funding agencies, and to host UK National Stem Cells Network <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Maintain cross-Funder co-ordination of UK neuroscience research</li> <li>• Further support research and training in reduction, refinement and replacement of animals in research, including investing additional £1.7M in NC3Rs</li> </ul>	<ul style="list-style-type: none"> <li>• With ESRC, continue to promote activities on understanding behaviour <b>(Mar 11)</b></li> <li>• Investment in NC3Rs for 2010-11: c£1.2M <b>(Mar 11)</b></li> <li>• Promote a harmonised approach across funders to the use of animals in research <b>(on-going)</b></li> <li>• Develop joint activities with NC3Rs to promote the 3Rs <b>(on-going)</b></li> <li>• Co-ordinate and disseminate the activities of the groups supported under the £8M BBSRC animal welfare programme <b>(on-going)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2010-11
Sustainability	National capability and appropriate facilities and infrastructure for UK research base in biosciences and related areas	<ul style="list-style-type: none"> <li>All grants to universities based on 80% FEC, with increase in funding of c£80m over spending review period</li> </ul>	<ul style="list-style-type: none"> <li>Increase FEC expenditure by c£20M in 2010-11 for funding of grants and fellowships <b>(Mar 10)</b></li> <li>Maintain trajectory for proportion of total grants funded under FEC basis to rise to ~ 95% by 2011 <b>(Mar 10)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Revised governance arrangements to be introduced at BBSRC-sponsored institutes</li> </ul>	<ul style="list-style-type: none"> <li>Take forward discussions of governance at institutes for revised models in place or agreed at each <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Single core grants to institutes to be replaced by five-year institute strategic programme grants, national capability grants, knowledge exchange and commercialisation grants and institute development grants</li> </ul>	<ul style="list-style-type: none"> <li>Complete revised terms and conditions of grants at each institute <b>(Mar 11)</b></li> <li>Finalise procedures for next round of Institute assessment <b>(May 10)</b></li> <li>Complete assessment of outline proposals for new portfolio of ISPGs and NCGs <b>(Oct 10)</b></li> <li>With institutes oversee submissions of full proposals <b>(Jan 11)</b></li> <li>Complete assessments of Knowledge Exchange and Commercialisation, Public Engagement and strategic HR capability <b>(May 11)</b></li> <li>Finalise membership and all arrangements for Institute Assessment Panels <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Provide additional £17.5M resource and capital funding to BBSRC institutes over spending review period</li> </ul>	<ul style="list-style-type: none"> <li>Allocate tranche of ~ £11M in 2009-10 <b>(Mar 10)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Complete world-class facilities at IAH Pirbright by 2012</li> </ul>	<ul style="list-style-type: none"> <li>Implement new business case: £135M to be invested by 2013</li> </ul>	

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Sustainability (ctd)	National capability and appropriate facilities and infrastructure for UK research base in biosciences and related areas (ctd)	<ul style="list-style-type: none"> <li>• Develop plans for the future of IAH Compton</li> </ul>	<ul style="list-style-type: none"> <li>• Submit full business case (<b>Oct 10</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Complete investment of £57M in new Roslin research centre at University of Edinburgh</li> </ul>	<ul style="list-style-type: none"> <li>• Investment in 2010-11: c£20M</li> <li>• Continue to implement agreed plans (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Invest £14M capital (with Welsh Assembly, EU and HEFCW) in new laboratories at IBERS</li> </ul>	<ul style="list-style-type: none"> <li>• Take forward implementation of IBERS Estates Strategy; invest c£6M in 2010-11 (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Constitute North Wyke as a national facility for sustainable agriculture and land use research</li> </ul>	<ul style="list-style-type: none"> <li>• Support through ISPG/NCG funding streams as part of RRes (<b>on-going</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Develop strategic partnership between IFR and University of East Anglia, form major new centre for diet, food and health research</li> </ul>	<ul style="list-style-type: none"> <li>• Finalise Norwich Science Vision with NRP Science Advisory Board (<b>Mar 11</b>)</li> <li>• Continue to create new jobs on NRP including joint appointments with UEA and NNU Hospital (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Complete improved facilities at BI</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> in 2009-10.</li> </ul>	

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Economic impact through collaboration	A step-change in the economic impact of UK bioscience and related research	<ul style="list-style-type: none"> <li>• Commit c£50M to industrially relevant research over the spending review period, at least £34M of this in partnership with TSB</li> <li>• Of above invest £16M via three Research Technology Clubs (RTCs) in complementary activity with TSB</li> <li>• Develop new RTCs through discussions with the bioindustries and TSB</li>   <li>• With EPSRC and TSB test concept of Innovation and Knowledge Centres (IKCs) in the biosciences</li>   <li>• Work with TSB in sectors new to the Board, including agri-food</li> </ul>	<ul style="list-style-type: none"> <li>• 2010-11: commit ~ £24M to industrially relevant research, at least £13M complementary to, or collaborative with, TSB <b>(Mar 11)</b></li> <li>• Of above, award ~£8M in new grants through existing clubs <b>(Mar 11)</b></li>   <li>• Launch new activities in collaboration with business, including eg new clubs, Innovation Platforms, IKCs or collaborative R&amp;D competitions <b>(Mar 11)</b></li> <li>• Monitor progress, with other funders, of IKC established at University of Leeds <b>(Mar 11)</b></li> <li>• With other funders complete selection procedure for second IKC <b>(Sep 10)</b></li> <li>• Within TSB Sustainable Agri-Food Innovation Platform complete funding allocation for Crop Protection competition <b>(Sep10)</b></li> <li>• Continue to work with TSB to develop procedures for evaluating benefits of collaboration <b>(Mar 11)</b></li> </ul>	

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Economic impact through entrepreneurship and commercialisation	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>• Increase number of participants in Biotechnology YES to over 350 pa</li> <li>• Double proof of concept studies via Follow-on Fund to £2.9M pa</li> <li>• Maintain close involvement in RCUK Business Plan Competition</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain number of participants in Biotechnology YES competition, including specific regional participation, at c450 <b>(Dec 10)</b></li> <li>• Evaluate Biotechnology YES and consider future investment <b>(Jul 10)</b></li> <li>• Award ~ £2.9M through Follow-on Fund in 2010-11 <b>(Mar 11)</b></li> <li>• Encourage applicants from the biosciences to participate in RCUK BPC <b>(Oct 10)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Increase number of BBSRC/ RSE Enterprise Fellows supported by 50% awarding 15 new Enterprise Fellowships over the CSR period</li> <li>• Bring high-level expertise of commercial research leaders to the exploitation of BBSRC science</li> </ul>	<ul style="list-style-type: none"> <li>• With RSE award at least 3 new fellowships <b>(Mar 11)</b></li> <li>• Complete second round of Industrial Impact Fellowships (IIFs) and launch third round <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Effect culture change in universities around concept of excellence with impact, demonstrated by: <ul style="list-style-type: none"> <li>○ Increased and more widespread demand for funding through KT schemes</li> <li>○ External evaluation of attitudes to be commissioned in 2010 to assess changes from 2007 study</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Complete third Innovator of the Year competition <b>(Apr 11)</b></li> <li>• Complete full programme of “Excellence with Impact” awards <b>(Mar 11)</b></li> <li>• Take forward Strategic Partnerships with leading universities <b>(Mar 11)</b></li> <li>• Work with RCUK to ensure effective implementation of the “Pathways to Impact” agenda, and to evaluate the changes brought about</li> <li>• Publish 2010 EI baseline <b>(Jun 10)</b></li> <li>• Develop EI baseline in discussion with other Councils <b>(Mar 11)</b></li> </ul>	

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Economic impact through entrepreneurship and commercialisation (ctd)	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>Enhance EI performance of Institutes and demonstrate outcomes: 10% increase over baseline (figures in Delivery Plan) for joint initiatives with industry, spin-out companies, licensing income and companies incubated on BBSRC Institute sites</li> </ul>	<ul style="list-style-type: none"> <li>Use introduction of KEC grants to support institutes in taking a strategic approach to maximising public benefit and impact of intellectual assets <b>(on-going)</b></li> </ul>	
Economic impact through people and knowledge flows	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>Increase number of Industry Interchange Programme Awards (IIPs) by 50%, awarding 22 new IIPs over CSR period</li> <li>Explore development of mini-Knowledge Transfer Partnerships alongside KTPs</li> </ul>	<ul style="list-style-type: none"> <li>Review Industry Interchange Programme and consider harmonisation with other Councils <b>(Mar 11)</b></li> <li>Increase funding of IIP awards to ~ £290K in 2010-11 <b>(Mar 11)</b></li> <li>Monitor development of KTPs with TSB and promote to BBSRC community as appropriate <b>(Mar 11)</b></li> </ul>	
Economic impact through skills and training	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>All studentships to be funded as flexible 4-year doctoral training grants to cover research excellence and transferable skills</li> </ul>	<ul style="list-style-type: none"> <li>Completed for new awards</li> <li>Current directly-funded 3 year students to finish by 2010-11 <b>(Mar 11)</b></li> <li>Decide future of quota doctoral training grants in light of evaluation <b>(Jan 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Ensure BBSRC continues to attract highest calibre candidates to pursue research careers</li> <li>Increase investment in studentships to £51.3M pa by 2010-11</li> </ul>	<ul style="list-style-type: none"> <li>Fund 200 undergraduate Research Experience Placements (REPs) <b>(Sep 10)</b></li> <li>Allocate 200 undergraduate REPs for 2011 <b>(Mar 10)</b></li> <li>With RCUK consider opening studentship eligibility internationally <b>(Jul 10)</b></li> <li>Increase PhD minimum stipend to £13,590 <b>(Oct 10)</b></li> <li>Target for 2010-11: ~ £51.3M</li> </ul>	

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Economic impact through skills and training (ctd)	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>• Double funding in targeted priority areas to £8M pa in particular in association with BBSRC industry research clubs</li> </ul>	<ul style="list-style-type: none"> <li>• New targeted PhD studentships for Oct 09 start: 50</li> <li>• Use funding more flexibly to support studentships and other forms of targeted skills support <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Award at least 75 CASE studentships pa to major industrial partners</li> <li>• Award at least 45 4-year CASE studentships annually to companies, primarily SMEs</li> <li>• Increase number of PhD students (or equivalent skills training opportunities) supported to 2,400 pa</li> <li>• Working with RCUK, embed new <i>Concordat for the career development of researchers</i> in academic bioscience community</li> </ul>	<ul style="list-style-type: none"> <li>• Total for 2010-11: at least 75 <b>(Mar 10)</b></li> <li>• Work with partner organisations to encourage further SME involvement <b>(on-going)</b></li> <li>• PhD target for 2010-11: 2,200</li> <li>• Support high level skills in agri-food industries through Advanced Training Partnerships <b>(Mar 11)</b></li> <li>• Promote culture change in employment of postdoctoral researchers through roadshows and other events <b>(Mar 11)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2008-09
Economic impact through skills and training (ctd)	A step-change in the economic impact of UK bioscience and related research (ctd)	<ul style="list-style-type: none"> <li>Working with RCUK continue delivery of professional and transferable skills training and career development for PhD students and postdoctoral researchers</li> </ul>	<ul style="list-style-type: none"> <li>With RCUK agree embedding of funding ~ £3.1M for university generic training for PhDs and postdocs in standard mechanisms <b>(Mar 11)</b></li> <li>Invest c£585K in Vitae career development programme (replacing UKGrad) in 2010-11 <b>(Mar 11)</b></li> <li>With RCUK and industry partners deliver project to demonstrate impact of PhD training <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Increase fellowships budget to £10M in 2010-11, supporting portfolio of early career, career development and senior fellowships</li> <li>Award targeted Professorial fellowships to bring world-class senior scientists to work in Diamond Light Synchrotron</li> <li>Promote industry/academe exchange through Royal Society Industry Fellowships</li> </ul>	<ul style="list-style-type: none"> <li>Target fellowships investment 2010-11: ~ £10M</li> <li>Consider conclusions from evaluation of DPF scheme <b>(Oct 10)</b></li> <li>Assess proposals and decide awards for second round <b>(May 10)</b></li> <li>On-going promotion of Industry Fellowship competition to BBSRC community <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>Provide further support for Modular Training for Industry</li> <li>Promote training and skills in <i>in vivo</i> sciences</li> </ul>	<ul style="list-style-type: none"> <li>2010-11: invest £290K in Modular Training for Industry <b>(Mar 11)</b></li> <li>Co-ordinate and disseminate activities within the Integrative Mammalian Biology initiative <b>(on-going)</b></li> <li>Support Society of Biology pilot accreditation scheme in this area <b>(Mar 11)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2009-10
Impact on public policy	Public policy decisions based on sound scientific evidence	<ul style="list-style-type: none"> <li>• To make significant contributions to major policy areas through:               <ul style="list-style-type: none"> <li>• cross-Council programmes (bioenergy, LwEC, Ageing)</li> </ul> </li>   <li>• development of systems/ predictive biology</li>   <li>• securing national facilities and capability</li>   <li>• boosting bioscience skills and training</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure public policy considerations embedded in work of Bioenergy Centre (<b>on-going</b>)</li> <li>• Oversee management of £10M multi-funder initiative on research into health of bees and other insect pollinators (<b>Mar 11</b>)</li> <li>• Commit ~ £2M to LLHWB phases 2 and 3 (<b>Mar 11</b>)</li> <li>• Work with sponsored research groups to develop outputs relevant to public policy (<b>on-going</b>)</li> <li>• See sustainability section</li>   <li>• See EI sections</li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2009-10
International	Maintaining UK as world-leaders in biosciences, and securing research, industrial R&D and economic benefits from global scientific activity	<u>Movement of people</u> <ul style="list-style-type: none"> <li>• Streamlined access of UK researchers to international schemes, with greater harmony across RCUK</li> <li>• Overseas visits to access new skills and facilities for UK researchers funded</li> <li>• Exchanges supported through HFSP and EMBO</li>   <li>• UK researchers aware of international opportunities</li>   <li>• GSIF and RCUK international strategies implemented</li>   <li>• Highest calibre fellows and students attracted</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to implement RCUK International strategy including leading communications work package <b>(Mar 11)</b></li> <li>• Continuation of International Scientific Interchange Scheme (ISIS) <b>(Mar 11)</b></li> <li>• Provide UK subscription with MRC and ensure programmes are of benefit to the UK community <b>(Mar 11)</b></li> <li>• Awareness raising through UKRO, RCUK Offices and by IRU to the BBSRC community <b>(Mar 11)</b></li> <li>• BBSRC input to RCUK International Strategy implementation plan, and input to GSIF activities <b>(Mar 11)</b></li> <li>• Fund workshops and international partnering awards <ul style="list-style-type: none"> <li>○ publish call <b>(Sep 10)</b></li> <li>○ allocate awards <b>(Mar 11)</b></li> </ul> </li> </ul>	
		<u>International collaboration</u> <ul style="list-style-type: none"> <li>• Effective collaborative activities (workshops, partnerships) funded</li>   <li>• UK researchers cofunded with EU and other partners</li> </ul>	<ul style="list-style-type: none"> <li>• Explore opportunities with ERA-Net partners, and strategic bilateral relations especially with EU Member States, USA, Canada, Japan, China, India, Brazil and GSIF Strategy priorities <b>(Mar 11)</b></li> <li>• Work with other Councils to ensure programmes delivered according to agreed strategic plans <b>(Mar 11)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2009-10
International (ctd)	Maintaining UK as world-leaders in biosciences, and securing research, industrial R&D and economic benefits from global scientific activity (ctd)	<ul style="list-style-type: none"> <li>• Joint research supported through HFSP, ERA-NET, ESF and bilaterally</li> <li>• Enhanced recognition and impact of Research Councils overseas</li> </ul>	<ul style="list-style-type: none"> <li>• Work with other Councils to ensure programmes delivered according to agreed strategic plans <b>(Mar 11)</b></li> <li>• As managing sponsor of UK Research Office, Brussels ensure UKRO continues to meet needs of subscribers and sponsors <b>(Mar 11)</b></li> <li>• Fulfil role as sponsor of RCUK Offices: China, USA, India <b>(Mar 11)</b></li> </ul>	
		<p><u>Global responsibility</u></p> <ul style="list-style-type: none"> <li>• Establish closer coordination with DfID, Research Councils and others through UK Collaborative for Developmental Science</li> <li>• Establish cofunding with DfID in key areas</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to sponsor UKCDS delivering HR to staff <b>(Mar 11)</b></li> <li>• Maintain close links with EU funders via Standing Committee on Agricultural Research Animal Health &amp; Welfare Working Group: explore potential ERA-Net and Joint Programing activities <b>(Mar 11)</b></li> <li>• Launch with DfID and others initiative on countering effects of abiotic/biotic stresses on crop production in sub-Saharan Africa/South Asia <b>(Mar 11)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2009-01
Efficiency and effectiveness	Effective and efficient BBSRC support for UK bioscience research base	<u>Efficiency savings</u> <ul style="list-style-type: none"> <li>• Contribute £80.7M to efficiency savings, including:               <ul style="list-style-type: none"> <li>○ Reprioritisation of programmes: £34.5M</li> <li>○ Reduction of administration costs: £2.2M</li> <li>○ Improved assets use: £20M</li> <li>○ Increased co-funding: £24M</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Total savings in 2010-11: £28M, including:</li> <li>• 2010-11: £10M</li> <li>• 2010-11: £1M</li> <li>• 2010-11: £1M</li> <li>• 2010-11: £16M</li> <li>• In addition SSC procurement savings for 2010/11 forecast at £2.3M</li> </ul>	
		<ul style="list-style-type: none"> <li>• Revised investment in Shared Services Centre of £27.7M + £2-3M on internal BBSRC implementation</li> <li>• New target: SSC Ltd. Operating charges of £9.0M</li> </ul>	<ul style="list-style-type: none"> <li>• Investment in 2010-11: £2.3M Resource plus £1.3M Capital</li> <li>• 2010-11 operating charges of £4.2M</li> </ul>	
		<ul style="list-style-type: none"> <li>• Through RCUK realise efficiency savings in peer review</li> </ul>	<ul style="list-style-type: none"> <li>• With RCUK implement new cross-Council outputs/ outcomes collection system <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Implement new governance at BBSRC-sponsored institutes</li> </ul>	<ul style="list-style-type: none"> <li>• See sustainability section</li> </ul>	
		<ul style="list-style-type: none"> <li>• Further efficiency savings through sharing support services with universities</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to monitor efficiency savings from The Operations Centre, and strategic developments at NRP <b>(Mar 11)</b></li> </ul>	
		<ul style="list-style-type: none"> <li>• Reduced costs and carbon emissions from energy efficiency programme</li> </ul>	<ul style="list-style-type: none"> <li>• Continue energy efficiency programme in light of high energy costs and carbon reduction aims <b>(on-going)</b></li> </ul>	

Delivery Plan section	Deliverable	2008-11 Target	Milestones	Progress over 2009-10
Efficiency and effectiveness (ctd)	Effective and efficient BBSRC support for UK bioscience research base (ctd)	<ul style="list-style-type: none"> <li>• Further implementation of 10-year estates strategy</li> <li>• Funding for estates strategy released through disposal of surplus facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Continue backlog maintenance programme (<b>on-going</b>)</li> <li>• See also sustainability section</li> <li>• If market conditions allow, dispose of Houghton Grange to deliver proceeds for capital programme (<b>Mar 11</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Further refined Performance Management System, including: <ul style="list-style-type: none"> <li>○ Output metrics agreed across-Councils for BIS EIRF</li> <li>○ System for monitoring progress against Delivery Plan, particularly on economic impact</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provide output metrics to BIS (<b>Aug 10</b>)</li> <li>• Publish output metrics (<b>Dec 10</b>)</li> <li>• Take forward through RCUK PEG 2010-10 (<b>Mar 11</b>)</li> <li>• See also EI section</li> </ul>	
		<ul style="list-style-type: none"> <li>• Implement on-going programme of research evaluations (responsive mode, initiatives, schemes) to ensure quality of research outputs and outcomes</li> </ul>	<p><u>2010-11:</u></p> <ul style="list-style-type: none"> <li>• Publish IGF and genomics responsive mode, and Research Equipment Initiative evaluations (<b>Sep 10</b>)</li> <li>• Complete evaluations of <ul style="list-style-type: none"> <li>• David Phillips Fellowships (<b>Oct 10</b>)</li> <li>• Doctoral Training Grants (<b>Mar 11</b>)</li> </ul> </li> <li>• Complete case studies on impact from <i>Streptomyces</i> research (<b>Sep 10</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Improved methods for assessing economic impact of research funded through grants</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain emphasis on EI in all evaluations (<b>Mar 10</b>)</li> <li>• Evaluations of BBSRC EI schemes including Biotechnology YES (<b>Mar 10</b>)</li> </ul>	
		<ul style="list-style-type: none"> <li>• Science strategy and policy to be informed by evidence from evaluations</li> </ul>	<ul style="list-style-type: none"> <li>• Provide outcomes from each evaluation to decision making bodies (<b>on-going</b>)</li> </ul>	

