

BBSRC SCORECARD: DELIVERABLES AND TARGETS

Delivery Plan section	Deliverable	2007-08 Target	Milestones	Links to PMF
Healthy disciplines	To sustain the vibrant UK bioscience base	Increase responsive mode funding by 4% pa to £133M	<ul style="list-style-type: none"> • Annual targets for commitment are: <ul style="list-style-type: none"> • £124M for 2005-06). • £128M for 2006-07 • Actual expenditure to be monitored following each grants round 	Global knowledge pool: quality, scale, agility
		Increase the proportion of responsive mode grants supporting larger and longer-term programmes: by 2007-08, support a rolling portfolio of 10-15 grants.	<ul style="list-style-type: none"> • Community to be made aware of this intention (July 2005) • Progress to be monitored by Strategy Board (May and November) 	Global knowledge pool: quality, sustainability
		Work with universities and others to make the introduction of FEC on grants work effectively	<ul style="list-style-type: none"> • Establish implementation project, operating under PRINCE 2 principles (June 2005) • Hold regional meetings with universities during 2005-06 (March 2006) 	Global knowledge pool: sustainability, productivity and efficiency
		Establish a portfolio of large multidisciplinary programmes	<ul style="list-style-type: none"> • Further develop initiative on integrative systems biology centres (see below) (2005-06 and beyond) • Other programmes to be developed in line with Strategic Plan (2006-07) 	Global knowledge pool: quality, sustainability, agility

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Healthy disciplines (ctd)	To sustain the vibrant UK bioscience base (ctd)	Increase research at the interface of the biosciences with the physical sciences, mathematics and engineering.	<ul style="list-style-type: none"> • Commit £10M allocated to initiative in Selective Chemical Intervention In Biological Systems (September 2005 and September 2006) • Stimulate ideas for cross-disciplinary research and collaborations, eg through: major international workshops, and networks • Promote interactions between BBSRC sponsored staff and the physical science and engineering staff (and facilities) at CCLRC (March 2006) 	Global knowledge pool: quality, sustainability, agility
Integrative systems biology	To build capacity and promote cooperative and multidisciplinary working	Commit an additional £25M over three years to integrative systems biology	<ul style="list-style-type: none"> • Annual targets for commitment and staffing levels are: <ul style="list-style-type: none"> - 2006-07: additional £10M commitment, 50 research staff - 2007-08: additional £7.5M, 90 research staff • Progress to be monitored by the Integrative Systems Biology Strategy Panel and reporting to Strategy Board (May and November each year) 	Global knowledge pool, Trained people pool: quality, sustainability, agility
		A total of at least six centres will be established in research-intensive universities by 2007-08	<ul style="list-style-type: none"> • Second call for proposals closes in June 2005 • Select a small number to provide full submissions (December 2005) • Decisions in early 2006 	

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Tools & resources	To equip researchers for 21 st century bioscience	Invest £16M over 2006-07 to 2008-09 in tools and resources (eg equipment, databases, culture collections, genetic resources)	<ul style="list-style-type: none"> • Annual targets for commitment are: <ul style="list-style-type: none"> - 2006-07: £5M new spend - 2007-08: £5M new spend - 2008-09: £6M new spend • Delivery mechanisms to be devised and expenditure monitored by the Tools & Resources Strategy Panel reporting to Strategy Board in May and September 	Facilities and infrastructure: quality, sustainability
		Build on previous Spending Review investment in e-science, with new activities promoting informatics and computational methods in biology	<ul style="list-style-type: none"> • Tools and Resources Strategy Panel to identify areas to promote, and mechanisms to be used (Plans developed by November 2005, implementation beginning 2006) • Funding to be committed (from 2006) 	
Crop Sciences	To meet the need for more targeted research on crop science, as distinct from basic plant science	Invest £8M over the Spending Review period	<ul style="list-style-type: none"> • To be committed by May 2007 • Expenditure to be monitored by Sustainable Agriculture Strategy Panel reporting to Strategy Board) (May, November each year) • Develop cross-Institute initiative MONOGRAM (IGER, RRes and JIC) to create added value and critical mass, monitored by Sustainable Agriculture Strategy Panel reporting to Strategy Board (May, November each year) • Council to take stock in light of 2005 IAE (January 2006) 	Global knowledge pool: quality, agility

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Animal health & welfare	To seize opportunities presented by advances in genomics to take forward research in animal health and welfare	Over the planning period, commit £6M to animal health and associated animal welfare research, with expenditure to include: work with MRC to support and increase funding for the National Centre for the 3Rs	<ul style="list-style-type: none"> • Council to consider outcomes of Farm Animal Genomics and Genetics review (summer 2005) • Plans for key research areas to be developed following review (early 2006) • BBSRC to invest £66K during 2005-06 • BBSRC total investment over SR2004 period to be c£700K 	Global knowledge pool, positioning and relationships: quality, user focus
Other developing research areas	To achieve agility in funding and focus research and training in key and emerging areas crucial to the delivery of BBSRC's vision over the next decade	Ensure BBSRC is on track to meet scientific objectives in the Strategic Plan	<ul style="list-style-type: none"> • Review BBSRC's Strategic Plan (December 2005) • Review investment and priorities in microbial sciences (November 2005) • Identify public attitudes to research in diet and health (by early 2006) [see also science and society targets below] • Review BBSRC's priorities in Bio-energy, report to Strategy Board (autumn 2005) • Continue to support basic underpinning plant and microbial science to inform developments in production of renewable bioenergy (on-going) 	Global knowledge pool, trained people pool, positioning and relationships: quality, agility, user focus
Research training and careers	To provide integrated support to equip researchers with the skills and expertise needed to deliver BBSRC strategic priorities, and to sustain the competitiveness of UK bioindustries	Develop training strategy to provide integrated support to equip researchers with the skills and expertise needed to deliver the BBSRC strategic priorities	<ul style="list-style-type: none"> • Increase the percentage of PhD students on 4-year awards to 50% for academic year 2006-07, with 80% of new starters receiving these awards • Review BBSRC fellowships schemes and introduce revised schemes (September 2005) • Work with other Research Councils to provide a more secure research career pathway by funding Academic Fellowships (call deadline December 2005; announcements July 2006) 	Newly trained people, trained people pool: quality, scale, sustainability

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Research training and careers (ctd)	To provide integrated support to equip researchers with the skills and expertise needed to deliver BBSRC strategic priorities, and to sustain the competitiveness of UK bioindustries (ctd)	Increase investment in training and fellowship awards, and provide enhanced stipends for postdoctoral salaries to promote and protect recruitment and retention in key areas	<ul style="list-style-type: none"> • Targets for annual commitment on studentships are: <ul style="list-style-type: none"> - 2005-06: £33.6M - 2006-07: £36.5M - 2007-08: £37.0M • Targets for annual expenditure on fellowships are: <ul style="list-style-type: none"> - 2005-06: £3.5M - 2006-07: £3.8M - 2007-08: £4.5M • Identify priority areas on which to target training awards: <ul style="list-style-type: none"> - for PhD studentships (May each year) - for fellowships (September each year) • Allocate PhD studentships and fellowships in priority areas: <ul style="list-style-type: none"> - PhDs (calls May each year; outcomes December each year) - Fellowships (calls September each year; outcomes May each year) 	Newly trained people, trained people pool: quality, agility, sustainability
		Further develop good opportunities for training and personal development for researchers wishing to pursue careers within the BBSRC institutes	<ul style="list-style-type: none"> • Complete the assessment of studentships and fellowships training, part of 2005 Institute Assessment Exercise (June 2005) • Complete Institute HR benchmarking survey (May 2005) • Identify institute training strategies in light of both exercises (March 2006) 	Trained people pool: quality, sustainability

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Sustainable institute base	A sustainable institute base to undertake longer-term strategic and multi-disciplinary research, and provide a diverse range of KT activity	Implement changes in response to reviews of the quality and strategic relevance of institute research (2005 Institute Assessment Exercise)	<ul style="list-style-type: none"> • Complete the formal assessments of Knowledge Transfer activities and of Studentships and Fellowships Training (June 2005) • Complete assessment of each institute as a whole by Visiting Groups (November 2005) • Council decision on future strategic direction of institutes based on IAE outcomes (February 2006) 	Global knowledge pool, facilities and infrastructure: quality, sustainability, user focus
		Increase core funding by an average of 3% pa, and establish sustainable funding strategies in keeping with the RIPSS review	<ul style="list-style-type: none"> • Review institute Core Strategic Grant allocations for 2006-07 onwards after Institute Assessment Exercise • Develop overarching, long-term science and innovation strategy for the institutes (October 2005) • Finalise a ten-year estates infrastructure plan (December 2005) • Commence investment of £23M capital expenditure at the Institute for Animal Health's Pirbright Laboratory 	Facilities and infrastructure: quality, sustainability

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International collaboration	To strengthen the UK science base through interactions and collaborations with the best research groups overseas	Over the SR period build on existing activities to help ensure that UK researchers remain well-positioned to exploit international research initiatives and opportunities	<ul style="list-style-type: none"> • Play full role in negotiating EU Seventh Framework Programme, ahead of scheduled publication by Commission of specific programme proposals (September 2005) • Raise awareness of FP and other funding opportunities in the BBSRC community (March 2006) • Continue as managing sponsor of UK Research Office, Brussels (on-going) • With MRC, provide subscriptions to HFSP and EMBC and ensure programmes are of benefit to the life sciences community (March 2006) • Explore strategic international relations, with priority to the EU, USA, Canada, Japan, China, India, Russia and South Korea (March 2006) 	Global knowledge pool: quality, user focus Positioning and relationships: quality, scale, user focus
Exploitation of research	To encourage research relevant to industrial needs	Develop and implement Technology Strategy through increased investment in priority areas such as bioprocessing, integrative mammalian physiology, biocatalysis/biotransformations, liaising with DTI and other partners wherever appropriate	<ul style="list-style-type: none"> • Launch £10M Bioprocessing Club to encourage bioprocessing research relevant to industrial needs (December 2005) • Fund collaborative research in biopharmaceutical bioprocessing, through participation in the DTI Technology Programme (December 2005) • Invest £2M in a programme with HEFCs, industry and other partners to encourage research in integrative mammalian biology (March 2006) 	Global knowledge pool, positioning and relationships: quality, user focus

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Exploitation of research (ctd)	To encourage research relevant to industrial needs (ctd)	Double current research grants support for collaborative research to £8M new awards in that year, increasing four-fold number of Industrial Partnership Awards	<ul style="list-style-type: none"> Invest £5M pa in collaborative R&D and underpinning research by 2006-07 Triple number of new IPA awards by 2006-07 	Global knowledge pool, positioning and relationships: quality, user focus
	To help maintain the UK's position as European leader in bioindustry enterprise	Develop existing portfolio of mechanisms to identify the exploitation potential of research outputs, including: <ul style="list-style-type: none"> Increase support for Follow-on Fund to £1M pa Enhance SBRI scheme to £2.5M pa Award 10 Enterprise Fellowships (cumulative) 	<ul style="list-style-type: none"> Continue to support YES and Business Plan Competition (March 2006) Award £1.0M of new Follow-on Fund awards (March 2006) Fund at least £2.0M of new SBRI contracts (March 2006) Award 3 new Enterprise Fellowship awards (June 2005) 	Positioning and relationships: quality, user focus
	To encourage industrially-relevant training	Maintain high commitment to collaborative training and career development with industry, through: <ul style="list-style-type: none"> Increase modular training scheme support by 40% Increase new-start industrial CASE studentships to 120 pa 	<ul style="list-style-type: none"> Work with RDAs to identify appropriate SMEs and MEs as Industrial CASE partners (March 2006) Targets for Industrial CASE new starters are: <ul style="list-style-type: none"> 2005-06: 100 2006-07: 110 Increase modular training by 20% (2006-07) 	Newly trained people, trained people pool: user focus, sustainability,
	To encourage people and knowledge flows between science and industry	Enhance support for the flow of relevant people and knowledge to industry, by increasing annual spend on interchange activities to £0.5M	<ul style="list-style-type: none"> Establish a flexible interchange scheme between industry and academe (March 2006) Targets for spend on interchange activities are: <ul style="list-style-type: none"> 2005-06: £0.33M 2006-07: £0.44M 	Newly trained people, trained people pool: user focus, sustainability, agility

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Science & Society	To ensure that there is mutual understanding between the research community and other stakeholders, including the public	Embed the science and society agenda in BBSRC decision making, promote dialogue and consultation, and increase the Council's openness and transparency	<ul style="list-style-type: none"> • Contribute to the delivery of RCUK's Science in Society strategy (March 2006) • With other Councils, hold dialogue events on energy and on nanotechnology (Planning by March 2006; implementation of both by March 2007) • Gain early intelligence on social issues surrounding bioscience research, taking advice from the Bioscience for Society Strategy (BSS) Panel (March 2006) • Following 2005 IAE, work with institutes to share good practice and develop core programmes of public engagement and dialogue (March 2006) • Enhance procedures for addressing social and ethical implications of BBSRC research (March 2006) • work with IFR to identify public attitudes to research in diet and health (early 2006) 	