

Royal Society Delivery Plan 2016-2020

Introduction

Science, technology and innovation have long been linked to economic prosperity and societal wellbeing and today are seen as especially crucial for the health and wealth of nations. In this context, the UK's research base is a valuable national asset that should be strongly supported. The Society's BIS grant enables the Royal Society to function as the UK and Commonwealth's leading science academy, globally acknowledged for its preeminent work in recognising, celebrating and supporting outstanding science and scientists. More specifically the BIS grant facilitates investment in a range of programmes that contribute directly to the vitality and high performance of the UK science base, and help further the Government's aim of making the UK the best place in the world for science and business.

Shared priorities

The Royal Society has six key strategic objectives. Many of the activities that are delivered under the first five of these objectives are supported or partially supported through the Royal Society BIS grant:

- **Strengthening the UK science base** by increasing support for excellent science and scientists.
- Encouraging **translation and innovation** so that the social and economic benefits of excellent science can be realised in the UK.
- Identifying excellent scientists **internationally** and encouraging their collaborations with UK researchers.
- Building **education and skills** in Science, Technology, Engineering and Mathematics (STEM).
- Improving **public engagement** by forging stronger links between scientists and the public.
- Providing **scientific advice** to policy makers.

A theme that cuts across all of these priorities is promoting the importance of **diversity** in STEM. The Society is committed to building an inclusive scientific community and has significantly increased its programme to support diversity in recent years.

Fellows of the Royal Society

Fellows of the Royal Society are recognised as international leaders in their field. Their central role in providing peer review ensures that only the highest quality research is funded through Royal Society programmes. The Fellows' international reputations for excellence in science provides the Royal Society with access to well-established international networks and links with the best science and scientists from around the world. Increasingly the Royal Society is using these networks to support overseas development. The launch of the Global Challenges Research Fund will provide further opportunities for the Royal Society to use its international reputation and networks.

Working in partnership

The Society works with a range of partners in the UK and internationally including Government departments, funding agencies, academies and learned bodies, media organisation as well as a range of charitable trusts and Foundations and philanthropic supporters. In recent years the Society has used its BIS grant to leverage significant support for all of the Royal Society grants programmes from other sources including:

1. Royal Society Research Professorships (Royal Society through private donors)
2. University Research Fellowships (EPSRC, Science Foundation Ireland)
3. Sir Henry Dale Fellowships (Wellcome Trust)
4. Dorothy Hodgkin Fellowships (EPSRC)
5. The Royal Society Wolfson Research Merit Awards (the Wolfson Foundation)

6. Industry Fellowships (Rolls Royce, EPSRC)
7. Newton International Fellowships (the Kohn Foundation, K.C. Wong Foundation, Sino-British Fellowship Trust and others)
8. International Exchanges (Newton Fund, Royal Society of Chemistry, National Science Foundation of China, Russian Federation for Basic Research, Royal Irish Academy and others)
9. The Newton Fund (increase in support for Newton International Fellowships and International Exchanges which has leveraged matched funding from partners in China, India, Brazil, Mexico, South Africa, Thailand, Malaysia and Turkey).

The ability to “crowd in” external investment means that Society schemes provide excellent value for money. The Society has invested in developing its fundraising activities and in developing partnerships with significant success and will continue to do so during the coming spending review period.

BIS support to the Society has a disproportionately positive impact on the UK research base. In 2015-16, The Royal Society leveraged additional funds of £21.5m to further strengthen the UK science base and increase opportunities for international collaboration. We expect the leverage that the BIS grant provides to further increase during the next spending review. We anticipate that the majority of the partnerships above will continue at the same scale or increase during the spending review. We expect that the leverage of additional funding from the Wellcome Trust for the Sir Henry Dale Fellowships will increase significantly and that our long standing relationship with the Wolfson Foundation will continue. In addition we expect to increase support for the University Research Fellowships through a contribution from a corporate partner. The Society has committed to increase the number of Dorothy Hodgkin Fellowships through a combination of partnerships (EPSRC), philanthropic support and the Royal Society own charitable funds. We expect that during the coming spending review period the Society will establish three new programmes which will support interdisciplinary research and blue skies research. These will be supported from philanthropic support and from the Society’s charitable funds respectively. We are also investigating the possibility of establishing a new UK/US fellowships programme for early career researchers and will be increasing the number of Newton International Fellows from the US through philanthropic support. We expect to increase support for International Exchanges by establishing partnerships in Argentina and Japan. The Society’s development team will continue to seek additional philanthropic support during the course of this delivery plan.

The Society has well established relationships with the Research Councils including a number of partnerships on funding and training for researchers. We will seek new opportunities for collaboration with the Research Councils and UKRI during the coming spending review period.

The Society is also working with a range of partners across a number of its non-grants programmes including its education and public engagement, diversity, and industry programmes. This allows the Society to expand the reach of its activities, share costs, and also to promote activities by partners who share our collective aims.

Summary of planned activity for 2016-2020

Block 1 - Scientific Excellence and Innovation

Supporting and recognising outstanding science and promoting innovation is at the core of the Society’s activities and a key part of the Society’s strategy. The Society’s fellowship programmes are synonymous with excellence in science underpinning the national scientific capability and ensuring international competitiveness. Our programmes support outstanding individuals from the early stages of their careers, such as the University Research Fellowships and Sir Henry Dale Fellowships, through to world-leading scientists such as the Royal Society Research Professorships. The Society’s programmes seek to support outstanding individuals, releasing them to focus on their research to both push the boundaries of knowledge and to translate their research to generate value for the economy. The Society has established a number of key funding partnerships working with organisations such as the Wellcome Trust, the Research Councils, the Wolfson Foundation, other Government departments and Industry to leverage significant additional funds.

1.01 Fellowships and Professorships

The Society's flagship Professorship and fellowship programmes make a significant contribution towards our shared priority of strengthening the UK science base. The Professorships support internationally renowned scientists whilst our early-career fellowships support outstanding early-career researchers in developing an independent research career. The University Research Fellowships (and more recently the Sir Henry Dale Fellowships) are still amongst the most prestigious fellowships available, and are used by many of our top universities to recruit the next generation of scientific leaders in the UK and from overseas. Researchers are appointed in all areas of science with many at the forefront of research in fields critical to the UK economy. These programmes also provide a significant resource that enables the Royal Society to increase interaction between scientists and the public with the aim of improving public engagement.

This line provides support for Royal Society Research Professorships and our three early-career fellowship programmes – the University Research Fellowships (URF), the Sir Henry Dale Fellowships (SHDF) and the Dorothy Hodgkin Fellowships (DHF). All four programmes will continue in their current form. We have consolidated support for these programmes to provide greater flexibility to ensure that we are able to support the best science regardless of career stage. This line also provides funding for the Royal Society's Research Grants and the research fellows' research support, including a range of training, personal and professional development and networking opportunities which seek to ensure a continued flow of highly skilled researchers. This programme of activities includes support to provide scientists with the skills required to commercialise their research and contribute to economic growth through our Innovation course, as well as access our Science and Industry programme which uses the convening power of the Society to better integrate academic science and industry. We provide training to enable our researchers to increase public understanding and engagement in science, work with the media and develop the skills to better engage with schools. We provide leadership training and mentoring for early-career researchers and training in academic skills such as grant writing.

The number of new appointments outlined below is indicative and may vary but the population in post will remain within the limits identified below. The target population and number of new appointments are comparable with 2015-16 (see table below).

(1.01) Fellowships and Professorships		2015/16	2016/17	2017/18	2018/19	2019/20
Research Professorships	Numbers recruited*	1	2	2	0	3
	Target population	14-18	14-18	14-18	14-18	14-18
	Indicative allocation	2,300	2,300	2,300	2,300	2,300
University Research Fellowships	Numbers recruited	34	33	33	33	33
	Target population**	270-283	270-283	270-283	267-280	265-280
	Indicative allocation	29,776	29,076	28,726	28,376	28,026
Sir Henry Dale Fellowships***	Numbers recruited	25	25	25	25	25
	Target population	100	120-130	133-143	146-156	159-169
	Indicative allocation	2,200	2,900	3,250	3,600	3,950
Dorothy Hodgkin Fellowships	Numbers recruited	5	5	5	5	5
	Target population	25-30	25-30	25-30	25-30	25-30
	Indicative allocation	2000	2,000	2,000	2,000	2,000
Allocation (£k)		36,276	36,276	36,276	36,276	36,276

* New appointments are only made when existing posts end. There are no posts due to end in 2018-19.

**Number of URF decreases as number of Sir Henry Dale Fellowships increases

***The Sir Henry Dale Fellowship numbers above relate to the total number of awards jointly funded by the Royal Society and the Wellcome Trust. Numbers for the SHDF are indicative, actual numbers will depend on the quality and number of applications received. The Society's contribution to the programme is equivalent to the cost of 35; 38; 41; and 44 URFs in each of the years.

The **Royal Society Research Professorships** scheme is the Society's premier research awards, releasing internationally renowned scientists from teaching and administration to allow them to concentrate on their research and contribute at the highest level to the UK's scientific competitiveness. The award is for a period of up to 10 years (5+5). The current cohort includes two Nobel Prize winners in Physics and two Fields Medallists, and all are Fellows of the Royal Society.

The **Royal Society University Research Fellowship** is the Society's flagship scheme, supporting outstanding early-career postdoctoral researchers across all disciplines. The fellowship provides five years' support with the possibility of an extension for a further three years. We would expect to appoint 33 new URFs per year.

The **Sir Henry Dale Fellowships** is equivalent to the University Research Fellowships. The Society no longer appoints URFs in the biomedical sciences. Equivalent appointments are now made through the SHDF programme. Like the URF, the Sir Henry Dale Fellowship provides five years' support with the possibility of an extension for a further three years. The SHDF programme is jointly funded with the Wellcome Trust.

The **Dorothy Hodgkin Fellowships** provide five years' support for outstanding early-career researchers who have a non-standard career path or who have a requirement for flexibility. Whilst all Royal Society programmes are committed to the diversity agenda, the focus on flexibility makes the Dorothy Hodgkin's Fellowships particularly attractive to early-career female researchers with young families or those returning from a period of maternity leave. These fellowships are one of the mechanisms that the Society has for supporting diversity in the scientific workforce.

1.02 Industry Fellowships

The Industry Fellowships are one of our primary mechanisms for supporting our shared priority of encouraging innovation and the translation of science. This programme provides a valuable method of translating science into economic growth in key sectors of the economy, in particular by kick-starting relationships between academia and industry that typically continue long after the funding has ceased. The funding provides the opportunity for academic scientists to work in industry for a period of up to four years or for industry scientists to undertake a period of research in academia. The Society annually leverages more than £700k in private funding in support of this scheme from other funding organisations and industry. In 2013 the Society established the Industry Fellows' College. This is a networking initiative driven by the research fellows which aims to provide more opportunities for engagement and collaboration between an increasing number of companies and our best universities.

(1.02) Industry Fellowships	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Numbers recruited	8	8	8	8	8
Target population	22	22	22	22	22
Allocation (£k)	800	900	900	900	900

1.03 Royal Society Wolfson Research Merit Awards

The Royal Society Wolfson Research Merit Awards strengthens the UK science base by attracting and retaining outstanding established researchers in the UK. The programme is funded jointly with the Wolfson Foundation; these awards provide UK universities with funding to help attract outstanding scientists to the UK or retain them in the UK. The awards offer a salary enhancement and additional research expenses for a period of five years. The numbers recruited and in post are the total supported from the joint funding provided by BIS and the Wolfson Foundation. The BIS funding is used to leverage the additional funding from the Wolfson Foundation under an agreement to match fund the programme.

(1.03) Royal Society Wolfson Research Merit Awards	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Numbers recruited	40	50	50	50	50
Target population*	180	240-250	240-250	240-250	240-250
Allocation (£k)	2000	2,000	2,000	2,000	2,000

* Numbers will vary depending on the size of awards made.

1.04 Diversity programme

The Society is concerned with excellence in science by whomever it is done and is committed to increasing diversity in STEM by seeking out participation from underrepresented groups, in order to build and develop a world in which studying and working in science are open to all. Diversity will be considered across all aspects of the Society's work including all the activities set out in the full delivery plan. The specific diversity part of the BIS grant will be used to fund activities that aim to break down barriers to participation in STEM and to recognise and champion the achievements of a wide range of scientists from underrepresented groups providing inspirational and relatable role models. This will include the continuation of the Society's *Parent Carer Scientist* campaign and the funding of the Rosalind Franklin award. Much of the Society's work on diversity will be developed in conjunction with partners from the scientific community to maximise the impact of our collective diversity work.

(1.04) Diversity	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Allocation (£k)	260	260	260	260	260

Block 2 – Education and Public Engagement

Science is central to modern culture. The Society is committed to maximising opportunities for everyone to engage with science both through formal education and through informal approaches such as innovative public engagement programmes. The Society shares the objectives set out in the Charter for UK Science and Society, and has identified education and public engagement as one of its six strategic priorities.

2.01 Education

To remain a world leader in science and engineering, the UK must build education and skills in Science, Technology, Engineering and Mathematics (STEM) education. The Society plans to use the BIS grant to support activities that enable high quality experimental science in schools, supported by scientists, mathematicians and engineers. This includes the Partnership Grants scheme which enables school students aged between 5 and 18 years to work directly with practising scientists on STEM projects, the production of high quality resources to support the teaching of experimental science in school, and training and support for Royal Society research fellows to allow them to undertake public engagement in schools. It should be noted that the Society awarded Partnership Grants to schools throughout the UK and across a wide range of types of school including many who are above the national average for free school meals for pupils. All schools receiving a partnership grant are required to complete a report to enable the Society to evaluate the scheme. The Society also conducts an independent evaluation every four years with the latest evaluation conducted in 2015. The evaluation concluded that the scheme provided pupils with a positive perception of scientists and engineers and gave them confidence and pride in science. The scheme also raises the profile of STEM in the school and increases their connection to the local community. The Society also hosts an annual conference for secondary schools on the scheme which gives pupils the opportunity to present their projects to Royal Society scientists.

The Society also plans to use the BIS grant to increase the range, reach and impact of its education policy work to ensure that government policy for STEM education is informed by robust advice, and by working collaboratively with learned societies, teaching organisations and businesses. This work builds on the Society's publication *Vision for Science and Mathematics Education*.

(2.01) Education	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Education policy	418	418	418	418	418
Partnership Grants	100	100	100	100	100
Education outreach	77	77	77	77	77
<i>Allocation (£k)</i>	595	595	595	595	595

2.02 Public Engagement

Funding from the BIS grant will be used to support the Society's growing public engagement programme. This includes the Society's Summer Science Exhibition, a week long display of cutting-edge UK science and technology, and attended by more than 13,000 visitors including school students and families. The Society sets out to attract a wide range of visitors and in particular invites schools from disadvantaged backgrounds. It is also keen to ensure that diversity is taken into account. In 2015, 66% of school visitors were girls and 38% came from a black or ethnic minority group (based on disclosed data collected at the event). The Society also plans to use the grant to support its growing programme of external events around the UK, which supports our priorities of improving public engagement by forging stronger links between scientists and the public and helping to inspire the nation about science. Increasingly to maximise audiences across the UK and leverage support from other organisations, the Society organises these events in partnership with national academies, museums and science centres. The events programme allows members of the public to engage directly with scientists about their work and to discuss some of the important scientific and policy issues of the day. 37 events were held in London and 16 events outside London. The Society is also taking science to non-traditional audiences including organising events at arts or cultural festivals. For its events held in London, 46% of visitors were female and 14% came from a black or ethnic minority group.

The Society is also working in partnership with other funding organisations including being a member of the Forum for Public Engagement which has a specific work programme addressing hard to reach audiences. The Society is also looking to broaden its reach by collaborating with the BBC and partners to develop a major public engagement programme announced by the Director General of the BBC, Tony Hall, and the Society's Professor of Public Engagement, Brian Cox, at the Science Museum in September 2015. The initiative will bring together partners across science to share content and ideas and using the BBC's reach to bring science to a much wider audience.

(2.02) Public Engagement	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Science Communication	515	515	515	515	515
<i>Allocation (£k)</i>	515	515	515	515	515

Block 3 - International Competitiveness

Science is a global endeavour. It is at the heart of modern life throughout the world, and is inherently and increasingly international and collaborative. Science also plays a central role in tackling global challenges like antibiotic resistance and climate change. The Society invests in establishing links with the very best scientists from around the world, influences the global research agenda and informs international decision making on areas of public policy.

The Society's International Strategy identifies the Society's key international objectives including increasing support and opportunities for international collaboration, prioritising engagement with leading scientific nations and emerging economies, and extending the impact and influence of the Society's policy work. The Society supports many of these key objectives through the following programmes. A separate budget for the Global Challenges Research Fund will increase funding for international activity.

3.01 International Engagement

The Society works with international partners on shared challenges in public policy and international relations as well as enabling participation in wide-ranging inter-academy networks. The key activities supported through this part of the BIS grant will include involvement in major inter-governmental

meetings, meetings with national academies and international meetings with key countries on priority topics.

(3.01) International Engagement	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
<i>Allocation (£k)</i>	321	256	256	256	256

3.02 International Subscriptions

These international subscriptions enable UK scientists to play an active part in international scientific bodies and give UK scientists access to key global research facilities and programmes such as the International Seismological Centre and the International Foundation High Altitude Research Stations and provides the opportunity to influence research agendas through bodies such as the European Science Academies Advisory Council and the UK Research Office (UKRO) The Society periodically reviews subscriptions payments. The next review is of subscriptions payments will take place during 2016 and will include consultation with relevant experts and agencies.

(3.02) International Subscriptions	2015-2016	2016/2017	2017/2018	2018/2019	2019/2020
<i>Allocation (£k)</i>	500	400	400	400	400

3.03 International Collaboration

The Fellows of the Royal Society are world leading scientists that have outstanding international contacts, providing the Society with the networks to identify excellent scientists internationally and encourage their collaborations with UK researchers.

The Society's International Exchanges programme and Newton International Fellowships programmes were identified as key priorities in our International strategy. The **Newton International Fellowship** attracts some of the world's most talented early-career researchers to the UK. The associated alumni scheme provides a cadre of future international research leaders with up to five years' support to maintain strong sustained links to the UK following their fellowship, helping the UK to maintain its leadership in the global knowledge economy. The **International Exchanges** programme assists early career and established UK scientists and engineers in developing links with the very best international researchers, institutions and facilities. This scheme also supports the Newton International Fellowships, through establishing the collaborations that lead on to applications for Newton Fellowships. The scheme will enable international collaboration by providing a flexible mobility grant for researchers. The aim is to foster new research partnerships and collaborations. The number of new appointments outlined below is indicative and may vary but the population in post will remain within the limits identified below.

Increasing support for international collaboration through the Newton Fund and Global Challenges Research Fund will provide further opportunity for the best UK researchers to collaborate with the best scientists overseas. The Society has expanded both the International Exchanges programme and the Newton International Fellowship with additional funding from the Newton Fund. In addition to the 25 Newton International fellowships funded through under this grant the Society also funds an additional 25 fellowships across a number of the Newton Fund countries. We also fund a further 55 International exchanges each year with support from the Newton Fund.

(3.03) International Collaboration		2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Newton International Fellowships	Numbers recruited	25	25	25	25	25
	Target population	50-60	50-60	50-60	50-60	50-60
International Exchanges	Number of grants	Varies*	Varies*	Varies*	Varies*	Varies*

Allocation (£k)	4,149	4,149	4,149	4,149	4,149
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*The grant size varies between £3,000 and £12,000 and therefore the number of grants varies.

3.04 International Meetings Discussion meetings are central to the Royal Society's strategy and align with the government's priority of identifying excellent scientists internationally and encouraging their collaborations with UK researchers. The number of meetings organised by the Society in the UK has grown by 50% in the last two years. Owing to the success of the meetings and quality of applications for new meetings, the Society has committed additional funds from its own charitable resources to add to the BIS grant. The meetings ensure that the most exciting scientific developments worldwide are brought to the UK with subjects including new technologies for water purification and antimicrobial therapies. All meetings are chosen by competitive peer review. The grant also covers the organisation of Frontiers of Science meetings with international partners and other bi-lateral international meetings.

(3.04) International Meetings	2015-2016	2016/2017	2017/2018	2018/2019	2019/2020
<i>Allocation (£k)</i>	335	400	400	400	400

Block 4 – Operating Costs

The Society seeks to use its resources in the most efficient way. The proportion of the BIS grant devoted to operating costs is 2.8% of the value of the grant. This does not cover the entirety of the Society's operating costs in respect of the BIS funded activities. The remaining operating costs are covered by the Society's own resources.

(4.01) Operating costs	2015-2016	2016/2017	2017/2018	2018/2019	2019/2020
<i>Allocation (£k)</i>	1,350	1,350	1,350	1,350	1,350

Evaluating Impact

The Society runs a rolling programme of evaluations for the grants programmes. We anticipate that during the next spending review we will evaluate all of the major BIS funded programmes. The evaluations are conducted by external consultants and their reports and associated recommendations are considered by Society's Evaluation Panel. The Evaluation Panel makes recommendations to the Royal Society's Grants Committee which will approve changes to the grants programmes on behalf of Council. During the next reporting period, the Society will also be establishing a career tracking programme to look at the long term impact of the University Research Fellowships and Dorothy Hodgkin Fellowships and the career track of their holders. Part of the evaluation is to generate a number of case studies which showcases some of the outcomes from the research supported by the Royal Society.

The Society also undertakes evaluations of its non-grants programmes. This includes evaluations of individual meetings or events as well as levels of engagement through social media. Annual reports across all the Society's programmes are produced by the Society's various committees and presented to the Society's Council for consideration. The Society is also an active member of the National Forum for Public Engagement in STEM which is considering how best to evaluate public engagement

Efficiency

The proportion of the grant devoted to meeting the Society's operating costs is 2.8% of the value of the grant.

The Society is able to use the benefit of public funding to secure additional funding from third parties including corporate partners, trusts and foundations. In addition the Society is using its own charitable income to increase the number of grants we are able to offer in some schemes. The Society's generates additional income through philanthropy, investments and trading including its publishing programme.

We are also working more in partnership with a number of other organisations within the scientific community including the research councils, the other Academies and other charitable foundations and

trusts to maximise the leverage achieved with our BIS grant (see working in partnership and leverage above). We anticipate that these partnerships will increase through the next spending review.

During the last spending review period, the Society was able to reduce the operating costs allocated to the BIS grant by 15% in cash terms. The Society is committed to continuing to improve operational efficiency and is investing in new grants management software which will provide a consistent system for reviews across all the Society's grants and awards schemes and improve the interface between the Society and grant applicants. This is being funded through the Society's own resources.

Working with the Research Councils

We already have excellent links with the research councils; during the last spending review we worked in partnership with ESRC, MRC, BBSRC and NERC on a number of our programmes including the University Research Fellowships, Dorothy Hodgkin Fellowships, the Industry Fellowships and the Royal Society Innovation Course. We will continue to engage with the research councils and seek opportunities to collaborate with them. We have already had discussions with them concerning the Global Challenges Research Fund and will be seeking to identify potential areas of synergy and opportunities for collaboration. The Society also anticipates working with UK Research and Innovation as the future national research and innovation funding body. We look forward to working with its leadership team to help strengthen the UK's research sector.

Efficiency savings on grants

We understand from RCUK that the Wakeham efficiency saving will not be applied to new grants after the end of March 2016 but that RCUK, HEFCE and UUK are considering their future plans for driving efficiency across the sector. In line with RCUK we will no longer apply efficiency savings to new grants after March 2016. We are in contact with RCUK and will await the outcome of their discussions concerning efficiency.

Annex 1

The following provides a complete overview of the grant requested.

Block 1 Scientific Excellence and Innovation		2015/2016 (£000's)	2016/2017 (£000's)	2017/2018 (000's)	2018/2019 (000's)	2019/2020 (000's)
1.01	Professorships and Fellowships	36,276	36,276	36,276	36,276	36,276
1.02	Industry Fellows	800	900	900	900	900
1.03	Royal Society Wolfson Research Merit Awards	2,000	2,000	2,000	2,000	2,000
1.04	Diversity	260	260	260	260	260
Block 1	Total	39,336	39,436	39,436	39,436	39,436
Block 2 Science Communication and Education						
Block 2 Science Communication and Education		2015/2016 (£000's)	2016/2017 (£000's)	2017/2018 (000's)	2018/2019 (000's)	2019/2020 (000's)
2.01	Education	595	595	595	595	595
2.02	Public Engagement	515	515	515	515	515
Block 2	Total	1,110	1,110	1,110	1,110	1,110
Block 3 International Activities						
Block 3 International Activities		2015/2016 (£000's)	2016/2017 (£000's)	2017/2018 (000's)	2018/2019 (000's)	2019/2020 (000's)
3.01	International Engagement	321	256	256	256	256
3.02	International Subscriptions	500	400	400	400	400
3.03	International Collaboration	4,149	4,149	4,149	4,149	4,149
3.04	International Meetings	335	400	400	400	400
Block 3	Total	5,305	5,205	5,205	5,205	5,205
Block 4 Operating Costs						
Block 4 Operating Costs		2015/2016 (£000's)	2016/2017 (£000's)	2017/2018 (000's)	2018/2019 (000's)	2019/2020 (000's)
4.01	Operating costs	1,350	1,350	1,350	1,350	1,350
Block 4	Total	1,350	1,350	1,350	1,350	1,350
Grand Total						
		47,101	47,101	47,101	47,101	47,101

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Annex 2

Breakdown of costs indicating grants distributed, direct costs and operating costs

Block 1 Scientific Excellence and Innovation		Cost	2016/2017	2017/2018	2018/2019	2019/2020
1.01	Professorships and Fellowships	Line Total	£36,276,000	£36,276,000	£36,276,000	£36,276,000
		Distributed Grant	£35,845,000	£35,845,000	£35,845,000	£35,845,000
		Direct costs	£431,000	£431,000	£431,000	£431,000
1.02	Industry Fellows	Distributed Grant	£900,000	£900,000	£900,000	£900,000
1.03	Royal Society Wolfson Merit Awards	Distributed Grant	£2,000,000	£2,000,000	£2,000,000	£2,000,000
1.04	Diversity	Direct costs	£260,000	£260,000	£260,000	£260,000
Block 1 Total			£39,436,000	£39,436,000	£39,436,000	£39,436,000
Block 2 Science Communication and Education		Cost	2016/2017	2017/2018	2018/2019	2019/2020
2.01	Education	Line Total	£595,000	£595,000	£595,000	£595,000
		Distributed Grant	£100,000	£100,000	£100,000	£100,000
		Direct costs	£495,000	£495,000	£495,000	£495,000
2.02	Public Engagement	Direct costs	£515,000	£515,000	£515,000	£515,000
Block 2 Total			£1,110,000	£1,110,000	£1,110,000	£1,110,000

Block 3 International Activities		Cost	2016/2017	2017/2018	2018/2019	2019/2020
3.01	International Engagement	Direct costs	£256,000	£256,000	£256,000	£256,000
3.02	International Subscriptions	Line Total	£400,000	£400,000	£400,000	£400,000
		Distributed Grant	£400,000	£400,000	£400,000	£400,000
3.03	International Collaboration	Line Total	£4,149,000	£4,149,000	£4,149,000	£4,149,000
		Distributed Grant	£4,143,700	£4,143,700	£4,143,700	£4,143,700
		Direct costs	£5,300	£5,300	£5,300	£5,300
3.06	International Meetings	Direct costs	£400,000	£400,000	£400,000	£400,000
Block 3 Total			£5,205,000	£5,205,000	£5,205,000	£5,205,000
Block 4 Operating Costs		Cost	2016/2017	2017/2018	2018/2019	2019/2020
4.01	Operating costs	Operating costs	£1,350,000	£1,350,000	£1,350,000	£1,350,000
	Block 1		£417,000	£417,000	£417,000	£417,000
	Block 2		£290,000	£290,000	£290,000	£290,000
	Block 3		£423,000	£423,000	£423,000	£423,000
	Rent		£220,000	£220,000	£220,000	£220,000
Block 4 Total			£1,350,000	£1,350,000	£1,350,000	£1,350,000
Grand Total			£47,101,000	£47,101,000	£47,101,000	£47,101,000

Annex 3

Non Global Challenges Research Fund ODA spend. BIS requested an estimate of the proportion of the Grant that may be spent on activities that could be supported from non-Global Challenges Research Fund ODA funds. Historically we believe only a small proportion of the grant is spent on such activities. It is difficult to determine how much of the grant has historically been spent on activities which may be supported from ODA funds because we did not collect information from grant applicants that would enable us to determine whether their research was eligible for ODA funding. Therefore the following figures are indicative only as they are based on estimates.

	yr1	yr2	yr3	yr4
Estimated spend*	£340,000	£660,000	£950,000	£1,205,000
Total grant	£47,101,000	£47,101,000	£47,101,000	£47,101,000
estimated percentage	0.7%	1.4%	2.0%	2.6%

*Estimate based on historic spends on activities which may be considered eligible for support from ODA funds.